

**Monday October 23**

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**CP-M-B: ENTERPRISE COMMUNICATIONS ARCHITECTURES** 

This panel will focus on Enterprise Communications architectures across the national security community. The panel moderator will introduce the topic through an overview of the recently completed version 2 of the Transformational Communications Architecture (TCA). The panel members will then discuss their overall architectures, all of which are currently under development and describe how they are tied to the TCA. Finally, the SIA will present their view of how commercial satellite services interact with the various elements of the TCA.

This panel is geared for Government and industry professionals who wish to have insight into a number of architectures currently under development within the national security arena. They will also get a better understanding of how these agencies envision these architectures being implemented over the next several years.

**10:00am — 11:30am**      **Hemisphere A** 

**Panel Organizer:** Mr. Steve Shively, Northrop Grumman Corporation

**Panel Moderator:** Mr. Robert Tarleton, Director, Communications Functional Integration Office, NSSO

**Panel Members:**

Mr. Mike Regan, Director, COMM Systems Engineering Group, National Reconnaissance Office

Mr Steve Selwyn, Deputy Associate Director of National Intelligence for Intelligence Community Enterprise Architecture

Dr. Richard DalBello, Former President, Satellite Industry Association

Mr. Mike Kern, Senior Systems Engineer, DoD, OASD (NII)

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**CP-M-C: TECHNOLOGIES TO DEFEAT IMPROVISED EXPLOSIVE DEVICES (IED)** 

The Joint Improvised Explosive Device Defeat Organization (JIEDDO) in the Office of the Deputy Secretary of Defense is led by retired Army Gen. Montgomery Meigs. The mission of JIEDDO is to lead, advocate, and coordinate all Department of Defense actions to defeat improvised explosive devices as weapons of strategic influence. During

this forum, an overview of the current operational landscape will be provided. This will be followed by a road map of actions being implemented to address current challenges. Finally, science and technology needs will be identified, and research and development opportunities will be discussed. JIEDDO is currently funding research to meet numerous science and technology needs from basic to applied research, and it has rapid acquisition capability to quickly test and field technologies that address existing needs. All information will be presented at the Classified/Secret level.

**10:00am — 11:30am**      **Reagan Amphitheater** 

**Panel Organizer/Moderator:** COL Barry Shoop, Science Advisor for JIEDO

**Panel Members:**

COL Barry Shoop, Science Advisor, JIEDO

MAJ Dave Buffaloe, JIEDO Congressional Affairs, US Army

Mr. Loran Ambs, Science and Technology Advisor within the Technology Review Group, JIEDO

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## **Tuesday October 24**

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### **CP-T-A: ASSURED INFORMATION SHARING IN A CLASSIFIED COALITION ENVIRONMENT**

In the end-to-end GIG IA Cornerstones, Assured Information Sharing provides the ability for the end-user community to securely and dynamically share information based on their needs. It also includes the ability to share information across different security domains at multiple classification levels and between U.S., Allied, and multi-national forces. Access to GIG resources (information access or services) is based on mission need, information sensitivity, user's identity, attributes, and privileges, and level of protection provided by a user's environment. The key IA strategy in the Assured Information Sharing cornerstone is the depth, breadth, and robustness of the IA mechanisms to counter the high risk introduced by Internet and multi-national connectivity.

The SIPRNet is expected to evolve from a U.S. Only (i.e., NOFORN) network to a U.S./Allied network in order to improve U.S./Allied information sharing. SIPRNet enclaves will continue to be U.S. controlled but Allied users will have SIPRNet accounts within these enclaves. Thus, the information stored and exchanged via SIPRNet will be primarily Allied Releasable and U.S. NOFORN, as well as bilateral information, will still

reside within SIPRNet and will require segregation from the Allied users. Strong identification and authentication, robust access controls, and auditing and misuse detection are all essential protection mechanisms for maintaining segregation and mutual trust.

However, to move towards a more robust integrated Secret to Top Secret Sensitive Compartmentalized Information (TS/SCI) environment, development of an integrated Unclassified to Secret environment, and development of a GIG wide integrated U.S., Allied, Coalition Multi-REL SECRET and disadvantaged NGOs will be necessary. There are varying issues associated with each alternative in a multi-level Classified U.S./Allied (i.e. integrated Secret to TS/SCI) environment.

This panel discussion will focus on the non-technical and technical challenges to provide the Warfighter the right information, at the right time, at the right place, and displayed the right way, while denying our adversaries access to that same information.

**8:30am — 10:00am**      **Reagan Amphitheater** 🇺🇸

**Panel Organizer:** Mr. Gerald Hanson, Northrop Grumman Mission Systems

**Panel Moderator:** Mr. Bob Lentz, SES, Director of IA, OASD/NII

**Panel Members:**

Mr. Tony Montemarano, Agency Director, IA/NETOPS, Defense Information Systems Agency

Ms. Vanessa Halliham, GIG IA Portfolio Manager, NSA

Mr. Richard Hale, Chief Executive for Information Assurance, Defense Information Systems Agency

Col Gary McAlum, CISSP, JTF-GNO J3

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**CP-T-B: NETWORKING ACROSS THE BLACK CORE** 🇺🇸

The emerging Global Information Grid (GIG) transport system, widely referred to as the Black Core, is part of an internetworking capability that relies on network-layer encryption provided by the High-Assurance Internet Protocol Encryptor (HAIPE). Internetworking within the Black Core will be implemented through non-decrypting and decrypting gateways. The non-decrypting gateway, referred to as a ciphertext (CT) gateway, provides visibility of route advertisement, peer discovery controls, and other control and management elements. The decrypting gateways, referred to as “red” or plaintext (PT) gateways, provide visibility of the PT packet and then reencrypt the packet. The decrypting gateway provides PT visibility of the packets to support

Information Assurance capabilities, including Computer Network Defense (CND), admission control for bandwidth limited networks, enterprise services proxies, and other functions. This session will address the issues associated with internetworking within the GIG through both CT and PT gateways.

**10:15am — 11:30am**      **Reagan Amphitheater** 🇺🇸

**Panel Organizer/Moderator:** Hugh Thomas Principle Scientist Infosec Engineering, MITRE Corporation

**Panel Members:**

COL. Barry Hensley, Director of Current Operations (J33), Joint Task Force - Global Network Operations

Mr. Sean O'Keefe, Technical Director for Security and Evaluation, Office of Network Solution Eng, C4, NSA/CSS Commercial Solutions Center

Ms. Julie Tarr, OASD NII, GIG Enterprise Engineer, Office of the Deputy to DoD CIO/ASD NII for Enterprise Wide Systems Engineering

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## Wednesday October 25

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### **CP-W-A: PERSISTENT SURVEILLANCE IN THE MARITIME DOMAIN** 🇺🇸

A critical need in fighting the Global War on Terror (GWOT) is the ability to track people, platforms (ground, air, and sea), and cargo over a sustained period of time, over vast geographic distances. This panel will discuss the application of technology to fuse dissimilar data sources to support persistent surveillance.

**8:30am — 10:00am**      **Reagan Amphitheater** 🇺🇸

**Panel Organizer/Moderator:** Scott Kordella, Senior Principle Staff Sensors Systems Engineering, MITRE Corporation

**Panel Members:**

Mr. Gary Federici, Deputy Assistant Secretary for the Navy, C4I & Space

RDML Joseph Nimmich, Assistant Commandant for Policy & Planning, US Coast Guard

CAPT Wayne Tunick, NRO/DMSS, Chief of Naval Operations

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## **CP-W-B: REAL WORLD NETWORK OPERATIONS**

Global (Theater and CONUS) View of Network Operations. The panel is composed of individuals with responsibility for implementing and/or operating NetOps in real situations. The panelist will be asked to discuss progress toward implementing the GIG NetOps CONOPS. They will also be asked to provide lessons learned and provide insight into any theater or service unique issues.

**10:15am — 11:30am**      **Reagan Amphitheater** 

**Panel Organizer:** Mr. Gerald Hanson, Northrop Grumman Mission Systems

**Panel Moderator:** RDML Elizabeth Hight, DISA, Director of GIG Operations

**Panel Members:**

COL Ronald Stimeare, Director of Army GNOSC, US Army

Col Gary McAlum, CISSP, JTF-GNO J3

COL Winston Davis, DISA CENT/CC

CAPT Nancy Dillard, CENTCOM TNCC/CC.USN

COL Darryl Dean, DISA PAC/CC, USA

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