

Coalition Warrior Interoperability Demonstration 2008 Trial Summaries for Public Release

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TRIAL NO.	TITLE (ACRONYM)	DEVELOPER	SPONSOR
1.02	Commercial Joint Mapping Toolkit Geospatial Appliance (CGA)	Northrop Grumman	NGA
	CGA is a configuration of hardware, software and administrative capabilities designed to provide NGA geospatial data in an application-ready data format to a high level of simultaneously connected users.		
1.04	Identity Based Access Device-Common Access Card and DEFense Identity Management NETwork (IBAD/IBAD-C/DEFIMNET)	Route1, Inc.	USNORTHCOM
	The IBAD and IBAD-C, powered by DEFIMNET, provide portable and secure access to information and systems from any location. DEFIMNET is a security service delivery platform for identity and entitlement management enabling community-of-interest (COI) information assurance.		
1.07	Joint Strike Fighter Off-board Mission Support Environment (JSF OMSE)	Lockheed Martin	JSF Program Office
	The JSF OMSE is a pre- and post-flight mission planning software suite of applications for JSF F-35 aircraft.		
1.15	IPv4-IPv6 Transformer (Datatek)	Datatek Applications, Inc.	US Army
	Datatek's IPv4-IPv6 Transformer translates IPv4 data between U.S. Service targeting systems to IPv6 and can extend interoperability to coalition forces as well as provide IPv6 mobility and information security features.		
1.22	Army Future Combat Systems Joint Interagency Multinational Interoperability (FCS JIMI)	US Army	US Army
	FCS JIMI is the Army's primary modernization effort. FCS will demonstrate the interoperability of its maturing services, standards and applications with the UK system.		
1.40	Joint Automated Deep Operations Coordination System (JADOCS)	Raytheon	USSOCOM
	JADOCS is a joint services and coalition targeting end execution tool.		
1.49	LINSE - Data Link/SA Integration via open, federated Enterprise Service Bus (LINSE)	IBM	German Navy
	LINSE uses commercial off-the-shelf (COTS) messaging technology to facilitate interoperability between platforms that have tactical data link (TDL, L11/M-Series, L16/J-Series, L22/F-Series) legacy systems, OTH-Gold systems and platforms or sites that are TCP/IP-enabled. LINSE integrates TDL information with data from other sources (e.g., intelligence or logistics systems).		
1.53	High Power X-Band Satellite Communications (XTAR)	Xtar LLC, L3NARDA, DRS, SKYPORT	DISA
	XTAR has two high power X-band satellites in orbit capable of increasing satellite communication data rates from legacy terminals -- and enabling next-generation terminals -- smaller, lighter, less expensive and highly mobile.		
1.61	Coalition (Army Space Support Team - Tactical Set [ARRST-TS]) Prototype (CAP)	US Army	US Army
	CAP demonstrates Integration of space capabilities into operations of the NATO Consultation, Command and Control Agency (NC3A) Command and Control Center. It provides organizations with stand-alone secure and unclassified broadband satellite communications.		
1.62	RIOS Incident Site Communications Capability (RISCC)	SyTech Corp.	USNORTHCOM
	The system is a subset of JISCC (Joint Incident Site Communications Capability) system focusing on radio, cell phone, VoIP phone, and laptop voice and data interoperability over various reach-back solutions such as satellite, EVDO (Evolution Data Only), and BGAN (Broadband Global Area Network).		
1.63	Global Command and Control System/Internet Common Operational Picture (GCCS-J 4.1.1/ICOP)	Northrop Grumman	DISA
	The GCCS-J 4.1.1 baseline and ICOP will be utilized to deliver a traditional TCP/IP and COP Synch Tools (CST) COP core service as well as a non-traditional track service subscribed to by other interested trials.		
1.68	Coalition open Joint Operations Picture (CoJOP)	Fujitsu Services	United Kingdom
	CoJOP is the coalition deployment of openJOP that delivers the Joint Operations Picture (JOP) on the United Kingdom Defence Information Infrastructure (DII) as part of the Joint Command and Control Support Programme (JC2SP).		

1.72	GLOBETrekker X Band System	Norsat International inc.	US Air Force
	The GLOBETrekker X-Band™ is the next-generation VSAT designed to enable a common operational picture and meet the communications needs of today's warfighter. Its ultra-portability and quick set-up allow missions to exploit broadband, on-the-pause communications. With its auto-acquire capability and an intuitive software interface, warfighters focus on the immediate needs of the battlefield, overcoming challenges of technical legacy equipment.		
1.79	PDA 184	DISA	DISA
	The PDA 184 provides e-mail and text chat/file transport capability to any tactical radio. A separate laptop running PDA 184 software accompanies the tactical radio, attaching to the radio data input/output port via a specialized military specifications interface cable.		
2.01	Classification-Stateless, Trusted Environment JCTD (CSTE JCTD)	USSOCOM	USSOCOM
	CSTE enables a collaborative environment for sharing information and capabilities from/to anywhere and accessing a spectrum of network environments operating at multiple security levels and/or user groups including unplanned but authorized users of different Services, government departments, agencies and coalition forces.		
2.03	WorkFlow Manager and Brief Assembly Tool (WOMBAT)	US Navy	US Navy
	WOMBAT allows globally dispersed teams to feed information into a centralized collection portal that manages workflow and gathers, collates, and renders information into a consistent output format. WOMBAT eliminates unauthorized and unapproved changes to content through the use of authentication, permissions and a centralized approval process.		
2.10	Agile Client (AC)	Northrop Grumman	DISA
	The construction and employment of the AC serves three purposes: agile subscription, deployment and extensibility. AC provides an open, commercial framework for the aggregation of applications. The AC introduces patterns for subscription to data services including web services and distributed caching services.		
2.12	Collaborative Advanced Planning Environment (CAPE)	Gnostech, Inc.	SPAWAR
	CAPE is a multi-network, multi-level security data repository, providing a secure portal environment to enhance collaboration between Coalition and US end-users.		
2.16	Joint Environment Toolkit (JET)	Raytheon	US Air Force
	JET enables migration of the Air Force Weather Weapon System forecasting and product-tailoring competencies to a common user interaction capability to gather, process, analyze, and produce environmental (i.e., terrestrial, space) data and products.		
2.17	Search and Rescue Optimal Planning System (SAROPS)	Northrop Grumman, ASA	US Coast Guard
	SAROPS is a search-and-rescue planning tool that takes into account all electronically published sea currents, environmental elements and weather data along with assumed target profile.		
2.24*	Hybrid Multilevel Environment (HME)	General Dynamics	DISA
	HME incorporates a converged network topology utilizing National Security Agency (NSA) Type 1 encryption and commercial off-the-shelf (COTS) IPsec VPN devices for communities of interest (COI) separation.		
2.26*	Stealth Solutions for Networks (Stealth)	Unisys	DISA
	Stealth converges multiple networks and creates multiple communities of interest (COIs) that can co-exist on a single infrastructure. It controls access to COI information based upon well-defined user roles.		
2.27*	Compartmented High Assurance Information network (CHAIN)	Raytheon	DISA
	CHAIN addresses CENTRIXS Cross-Enclave Requirements (CCER) by creating a secure collaboration environment that allows user groups of varying clearance and access levels to share data (documents, spreadsheets, slide presentations, etc.), send e-mails, or chat within their community of interest using a single converged network.		
2.28*	Secure Information Sharing Architecture (SISA)	TKC Communications, SISA Alliance	DISA
	SISA provides coalition warfighters a commercial-off-the-shelf (COTS) solution to secure information sharing. SISA is created to house multiple communities of interest (COIs) in a single consolidated environment.		
2.29*	Federated Identity Management System (FIdM)	BearingPoint	DISA
	FIdM shares information across communities of interest (COIs) effectively and securely. The solution integrates various commercially available identity and access-management products to provide cross-enclave access control		

2.46	Information Integration Dashboard for Mission Support Planning (IID)	Canada	Canada
	IID is a middleware based net-centric environment for information/data integration. It is a decision support system providing: data and service integration, monitoring, analysis and process optimization.		
2.80	ThinSessions (TS)	Northrop Grumman	NGA/NRO
	TS allows secure access to applications and services across multiple networks and security domains from a single user appliance.		
2.82*	Proximity-Sensitive Session-Support Services (PS4)	NETCONN Solutions	DISA
	PS4 leverages existing infrastructure; supports central management; provides local and global community of interest (COI) separation; builds dynamic, type 2, VPN tunnels; integrates commercial off-the-shelf (COTS) products; optimizes Transmission Control Protocol (TCP) for low bandwidth; and is a managed service.		
2.83*	Agile Coalition Environment (ACE)	Referentia Systems Incorporated	DISA
	The ACE architecture provides a foundation for secure and agile enclave instantiation and cross domain access. ACE is an evolving solution set that offers creditable systems and capabilities through a spiral development, accreditation, and deployment process.		
2.84*	Smart Data Flow (SDF)	Referentia Systems Incorporated	DISA
	SDF provides an intelligent network management solution for controlling and configuring network devices in real-time. This software application's extensive visualization capabilities improve network situational awareness and allow less seasoned operators to manage networks with reduced risk of error.		
3.70	Coalition Dual Phenomenology Data Fusion-U.S. (CDPDF-US)	Missile Defense Agency	US Air Force
	Simulated relevant Overhead Non-Imaging Infrared (ONIR)/Ground-Based Radar data is collected at a net-centric location. Data is processed to produce improved event timing, better predictions and enhanced cueing.		
5.06	Common Information Centric Security (SecureD)	SPAWAR	OSD
	A firmware based disk encryption technology, SecureD enhances the security of mobile computing devices (laptops, desktops and portable USB disk drives) by protecting data at rest with 256 bit Advanced Encryption Standard (AES).		
5.14	Battlespace Terrain Reasoning and Awareness - Battle Command Commercial Joint Mapping Toolkit (BTRA-BC CJMTK) Extensions (BCE)	Northrop Grumman	US Army
	The BCE project is a result of a technology transfer agreement arranged by the U.S. Army Topographic Engineer Center (TEC) and the National Geospatial-Intelligence Agency (NGA). The Battlespace Terrain Reasoning and Awareness - Battle Command (BTRA-BC) project at U.S. Army TEC creates advanced geospatial and terrain reasoning tools designed to enable the Military Decision Making Process (MDMP). The BCE project is tasked with transitioning the BTRA-BC engines to the Command, Control and Intelligence (C2I) developer community via the Commercial Joint Mapping Toolkit (CJMTK) program.		
5.18	enhanced Mobile Incident Command Post (eMICP)	VSE-Featherlite	US Coast Guard
	The eMICP provides a platform to conduct CG Command and Control, act as an incident command post, and support a staff working an event with type I classified and type III sensitive but unclassified (SBU) voice and data.		
5.34	Poliwall with HIPPIE Appliance (HIPPIE)	TechGuard Security LLC	DISA
	Poliwall/HIPPIE allows changes to network filtering policies with a simple user interface. The appliance protects inter- and intra-enclave networks against multi-threaded, computer network exploitation attempts.		
5.48	Federated Intelligence Network (FedIntel Network)	CompuSat Services, Inc.	USNORTHCOM
	FedIntel Network is modeled after the National Response Framework (NRF) and the National Incident Management System (NIMS). It provides a common ground for vertical and horizontal information sharing and collaboration across local, state, federal, military and international domains. Emergency management extensions aid with preparedness, communication, information, resource, command management, and on-going maintenance. The extensions provide incident-specific policies and procedures to provide the right information to the right persons at the right time.		
5.59	Coalition Dual Phenomenology Data Fusion - USNORTHCOM (CDPDF-USNORTHCOM)	Missile Defense Agency	USNORTHCOM
	Simulated relevant Overhead Non-Imaging Infrared (ONIR)/Ground-Based Radar data is collected at a net-centric location. Data is processed to produce improved event timing, better predictions and enhanced cueing.		

5.64	Trusted Enterprise Services Bus (T-ESB)	World-Wide Consortium for the Grid (W2COG) Institute	DISA
	T-ESB and Tactical Service Bus (TSB) provides a secure C4ISR service oriented architecture (SOA) supporting Maritime Interdiction Operations (MIO) at the tactical edge of the Global Information Grid (GIG).		
5.65	Security Information Management for Enclave Networks (SIMEN)	The MITRE Corp.	US Air Force
	SIMEN provides bandwidth-efficient and secure transportation of relevant event messages in a network-sensitive manner.		
5.73	VirtualAgility OPS Center (VOC)	IBM, VirtualAgility Inc.	Canada
	VOC is a browser-based software solution that enables interoperability and coordination within and among agencies to organize, plan, track and share operational activities.		
5.81	Transnational Information Sharing Coalition (TISC)	US Army, US Navy, DISA	US Army, US Navy, DISA
	TISC provides non-classified information exchange over the internet to support planning, situational awareness and collaboration.		

LEGEND: The first number, before the decimal, in the "**TRIAL NO.**" column indicates the major objective addressed by each technology: **1.** Improve Coalition and Joint Command, Control, Communication, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) architecture; **2.** Improve information sharing across the full range of military operations; **3.** Enhance cross-domain and multiple security level information exchange tools; **4.** Enhance integrated logistics planning tools; **5.** Enhance government agency interoperability

***TRIAL SERIES NOTE:** The Combined Enterprise Regional Information Exchange System (CENTRIXS) Cross Enclave Requirement (CCER) goal is convergence of multiple separate coalition networks into a single environment at the secret-releaseable domain. The system is capable of establishing multiple Communities of Interest (COIs) within the secret-releaseable environment. CCER enables warfighters to rapidly and seamlessly share information within and between COIs. The CCER CWID trials, DISA sponsored, are an effort to view and assess mature products and technologies in an operational environment that have the potential to meet set requirements.