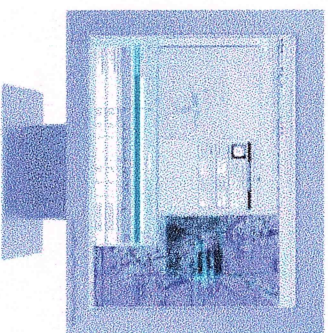


GCCS-13

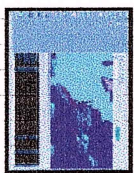
Integrated Imagery & Intelligence



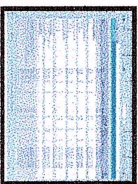
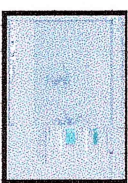
GCSS-13 provides Common Operational Picture (COP) -centric imagery and intelligence-related capabilities developed by the Services and selected Agencies in response to joint warfighter requirements. Through the GCSS-13 integration process, these tools provide Intelligence Support to Operations seamlessly within the GCSS family of systems.

GCSS-13 enhances the operational commander's **situation awareness** by providing a standard set of integrated, linked tools, and services

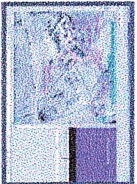
which give ready access to imagery and intelligence directly from the operational display. This capability to combine the vast resources of the tactical, operational, and national intelligence community with critical command and control information results in an unprecedented level of streamlined intelligence support to operations.



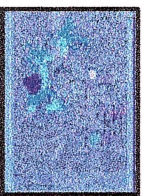
GCSS-13 gives tactical operators and intelligence analysts direct access to the nationally produced Modernized Integrated Database (MIDB) for **Order of Battle (OOB)** data, weapons systems' characteristics and performance information, and national imagery. GCSS-13 also gives those users the capability to integrate locally collected tactical imagery, **live video stream** and other intelligence with national and theater-produced intelligence. This intelligence can be plotted directly on operational/tactical displays alongside continuously updating operational and operational-intelligence information, providing tactical operators and intelligence analysts vastly improved knowledge of the tactical battlespace.



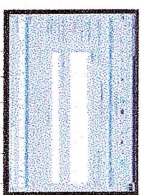
The **all-source fusion** capabilities of GCSS-13 provide decision makers with a composite picture of the battlespace augmented with SCI-level intelligence, bringing together near-real time track, order of battle, maps and imagery, military overlays, and other forms of specialized intelligence data to produce a Common Intelligence Picture (CIP). When combined with other enabling technologies, such as database replication and guards, GCSS-13 supplies geographically-focused, OPINTEL to the GCSS COP battlespace view, aiding decision support and improved situational awareness for the intelligence and operations elements of the Commander's Staff.



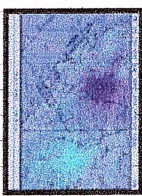
Joint Threat Analysis Tools/Ground Template Toolkit (JTAT/GTT) generates terrain suitability overlays and other aids based on military aspects of terrain analysis and contributes to Intelligence Preparation of the Battlefield (IPB). It supports the joint force and component commanders campaign / mission planning and decision making by identifying, assessing, and estimating the adversary's battlespace center of gravity, critical vulnerabilities, capabilities, limitations, intentions, most likely Courses of Action (COA), and COA most dangerous to friendly forces.



Joint Targeting Toolbox (JTT) provides a common standardized, scalable, and DII-COE compliant set of targeting tools to manage and/or produce target data, and target-derived products. JTT enables Ops/Intel targeting personnel to affect the targeting cycle in direct support of the commander's intent and campaign objectives.



Improved Many-On-Many (IMOM) models electronic combat scenarios and can provide threat evaluation. It is a 2-D graphics oriented user-interactive program, which aids in mission planning and IPB analysis. IMOM visually displays the complex interaction of multiple ground based radar systems being acted upon by multiple airborne ECM aircraft. IMOM models the detection capabilities of radar effects, the effects of stand-off Jamming platforms, and the effects of self-protection jamming platforms. The model adds the effects of terrain masking and ECM on any OOB, exploits the results to perform a variety of analysis, and provides hard copy post processing in a variety of formats.



CMMA

Collection Management Mission Applications

(to be integrated w/ GCSS 13 4.0)

Collection Management Mission Applications (CMMA) delivers critical functionality to requirements managers, tasking managers, analysts and other functional users for Tasking, Collection, Processing, Exploitation and Dissemination (TCPED) of multi-int intelligence information. The principal objective of CMMA is to provide the key collection management resource for joint military forces response to dynamic operational requirements through synchronization and visualization of collection assets integrated with the Common Operational Picture (COP). CMMA offers a suite of application services and associated feeds to provide critical planning, requirements, tasking and reporting capabilities. Central to CMMA application integration is the establishment of a data broker for consolidation of feeds and parsing of data for dissemination. CMMA applications are incorporated as JDISS COE certified and managed segments, and services are delivered to the user on JDISS Collection Management Work Stations (CMWS) and through web-based applications in Top Secret and below network environments.



Current applications in CMMA include:

- BVI** (Battlespace Visualization Initiative) for 2D/3D visualization of intelligence collection
- Flight Control** 3D fly-through visualization of near real time (NRT) data
- PRISM** (Planning Tool for Resource Integration, Synchronization and Management) requirements management mission planning and synchronization
- JCE** (Joint Collaborative Environment) for collaboration over JWICS
- Malioic** Advanced fish tools for intelligence collection research
- ACPG** (Automated Collection Plan Generator) for simplified generation of collection strategies
- SRMT** (Surveillance Reconnaissance Management Tool) Web enabled portal for access to national and theater collection awareness information

LOCE Linked Ops-Intel Centers Europe

NATO word

Linked Operations-Intelligence Centers Europe (LOCE) is the Unified States European Command's (USEUCOM) system, operating at the US SECRET Releasable to NATO and NATO SECRET classification levels, that provides US and North Atlantic Treaty Organization (NATO) forces, and other national allied military organizations with near-real-time, correlated situational and order of battle information for threat analysis, collection management cueing, indications and warning, and target recommendations.

LOCE is the Supreme Allied Commander Europe (SACEUR) declared intelligence backbone in support of coalition operations that have included Bosnia Peace Implementation and Stabilization Forces (FOR/SFOR), Operations DENY FLIGHT, SHARP GUARD, and ALLIED EFFORT, the Kosovo Peace Forces (KFOR), and more recently, Operations ENDURING FREEDOM and IRAQI FREEDOM. The European threat environment has been dynamically altered by events over the past few years, and as contingencies continue to arise and events change, LOCE and will continue to provide coalition forces with a common view of the area(s) of interest.

Following are some of the system capabilities:

- Provides decision makers, commanders, and units a common and consistent situational awareness of the battlefield
- Support Shared Early Warning/Theater Missile Defense (SEW/TMD) within the NATO area of operations
- Electronic mail, with attachments, across domains
- Access to a REL NATO version of DIA's MIBD Order of Battle database for specific countries within NATO's area of interest
- Air, Missile, Electronic, Defensive Missile, Naval, and NATO target data inventory
- Access to near-real-time sensor report correlation
- Access to US SECRET Releasable to NATO or NATO SECRET and below AUTODIN message traffic through the IRDB using the INFOSEEK search engine
- Supports multinational digitized secondary imagery exchange and manipulation integrated secure voice communications access to LOCE-hosted web sites at DIA, NSA, JAC, SHAPE, and others, as well as access to web sites in the CRONOS and BICES domains

CONTACT INFORMATION

FOR THE JOINT WARFIGHTER

JDISS 4.0.1 GCCS13 CMMA LOCE

Joint Deployable Intelligence Support Systems Mission:

Provide fully integrated, easy to use computing platforms, communications interfaces, and mission applications to the Intelligence Community while supporting these products with unsurpassed customer support.

JDISS provides software baselines, corporate services, and support functions. Intelligence Community producers & customers use these information technology products to support the operational environments of DOD and NATO, and within the context of several U.S. alliances and coalitions.

The JDISS program was developed to ensure that each of the Services and National Agencies had an intelligence system which was both compatible and interoperable using a common data standard. JDISS was developed following Operations DESERT SHIELD and DESERT STORM, when it was determined that communications between the Services and National Agencies was difficult, if not, at times, impossible; this was especially true of intelligence communications and dissemination. JDISS, a DoD/IS-compliant workstation, was developed to solve this problem.

JDISS provides the following:

A tactical extension of the DOD/IS network.

Capable of performing multiple functions.

Provides links to various intelligence systems and databases.

Phone (comm) 301-669-5100 Phone (dsn) 659-5100 FAX (comm) 301-669-5084

Web Sites: JWICS <http://jdis.nmic.ic.gov> Sipernet <http://jdis.nmic.smil.mil>

INTELLIGENCE SUPPORT

FOR THE JOINT WARFIGHTER

JDISS 4.0.1 GCCS13 CMMA LOCE

Joint Deployable Intelligence Support Systems

Based on windows XP

JDISS v4.0.1 Windows is the first of a new generation of JDISS applications that offers support for cutting-edge technology for Joint Service and allied nation customers on deployable intelligence laptops, workstations, and servers.

JDISS v4.0.1 is built on the latest Microsoft Windows client and server operating systems, which supports true Plug and Play, Power Management, Universal Serial Bus (USB) and Firewire (IEEE 1394) devices. JDISS configurations are based largely on commercial hardware and software components, reflecting today's widespread adoption of personal computers, Microsoft Windows operating systems, and leading commercial off the shelf (COTS) and government off the shelf (GOTS) application products. The JDISS JPO integrates, accredits, and supports these easily deployable systems for all members of the intelligence community.

JDISS v4.0.1 Windows XP Professional Workstation/Client/Laptop - Uses the Windows XP Professional operating system with the latest service packs and hotfixes, along with a set of COTS and GOTS utilities. *It is certified to process data from unclassified to SCI classification level. It can operate either as a standalone workstation or as part of a JDISS or non-JDISS Windows domain or Active Directory network. The JDISS v4.0.1 XP Professional Workstation Client/Laptop baseline configuration includes the following software:*

MS Windows XP Professional w/SP1	Norton AntiVirus Corporate Edition v7.6	Smart FTP v1.0.968
MS .Net Framework & Patches	JDISS Utilities 1.4	Irfan View v3.7
MS Office XP Pro w/FrontPage	JDISS Security Settings v4.0	MS Chat v2.5
Windows Support Tools v5.1.25.10.1	Adobe Acrobat Reader v5.0.5	AMHS Client v3.0
NetScape Communicator v4.76	Acrobat Frame Reader v5.1.1	JCE v2.5.1
Personal Security Manager v1.4	Sentinel License Manager v7.1.1	FastZip 97Lite
MS Internet Explorer v6.0	Sentinel Client-Activator v2.2	SmartFTP v1.0

JDISS v4.0.1 Certified Applications - The following applications will have been tested and will be available by the June 2003 timeframe for the JDISS v4.0 Workstation Client/Laptop and Server platforms:

Adobe Acrobat v5.0	FastCD (Bugsplat)	NSRP v1.2.0.1
Adobe Photoshop v7.0	Fishoil v3.2	Remote View Desktop v2.22.1
Adobe Photoshop Elements v2.0	Formflow v2.23	Remote View Professional v2.22.1
AFPFPS v3.2	GeoRover v2.0	SNORT v1.9
ArcGIS v8.3	Hummingbird Exceed v8.0	Veritas Net Backup v3.4
ELT 1500 v2.3	JAWS v2.2	Visual Links v1.9.5
ELT 3500 v4.0	JCE v2.5.1	Visual Links v1.9.5 Build 8
ELT 5500 (GIS Support) v1.4	Microsoft Exchange Server 2000	Webbas v2.2
ELT Net (browser plug-in) v2.2	Microsoft Project 2002	Windows Services for Unix v3.0
ENVI v3.6	NPPFS v3.2	WinZip v8.0
ERDAS v8.6	C2PC	IntelOffice
JIVE Client	IMOM	JTT
JTAT/GTT		

JDISS v4.0.1 Windows 2000 Server - Uses Microsoft Windows 2000 Server operating system with the latest service packs and hotfixes, along with a set of commercial and Government off the shelf applications and utilities. The JDISS v4.0 Windows 2000 Server baseline configuration includes the following software:

MS Windows 2000 Server w/SP3	NetScape Communicator v4.76	Adobe Acrobat Reader v5.0.5
MS .Net Framework & Patches	MS Internet Explorer v6.0	Acrobat Frame reader v5.1.1
MS Internet Information Server (IIS) v5.0	Norton AntiVirus Corporate Edition v7.6	Sentinel License Manager v7.1.1
MS IIS Lockdown	JDISS Utilities v1.4	Smart FTP v1.0.968
Windows Support Tools v5.0.2072.1	JDISS Security Settings v4.0	Irfan View v3.7