



JOINT OPERATIONS COMMAND SYSTEM

**RAPIDLY EVOLVING JOINT COMMAND AND CONTROL
CAPABILITY PROVIDING SITUATIONAL AWARENESS
AND DECISION SUPERIORITY**

/// FACT SHEET



JOCS is a modular, static and deployable Joint Command System provided to the UK Ministry of Defence. The programme was initiated in 1995 when EDS were awarded the Pilot-JOCS project. In 1998 we were also awarded the follow-on project to provide full JOCS. The system benefits from a programme of continuous user driven evolution and will be migrated to be hosted on the Defence Information Infrastructure from 2009.

BENEFITS

- Information superiority with access governance
- Decision superiority
- Shared knowledge and situation awareness with the JOP toolset and secure WEB
- Interoperability, national and coalition
- Decision and Planning Aids
- Scalable, deployable capability

A flexible, scalable, configurable, secure solution to the provision of Joint Command and Control capability.

Overview

JOCS is primarily a Joint Warfare Command and Control System and is used by the Permanent Joint Headquarters in the UK. Every major operational command in the UK has a JOCS capability and the system provides a capability both afloat, and at UK overseas bases. In addition the system supports the deployable user and provides Joint Task Force Headquarters (over 200 clients) as well as multiple deployed Component Commanders (including Land to Brigade level). Deployed Liaison Officers can also be provided with secure single clients for reachback. The system also features the unrivalled capability to securely inter-connect and communicate with many other command systems including UK single service systems, NATO, Coalition partners and non-UK systems.

Features

Information and Decision Tools

- Joint Operations Picture (JOP) and display tools
- Picture Manager
- Structure Tool
- Database Extraction Tool
- Encyclopedic Data Viewers
- Trusted Publisher
- Office Automation
- Secure searching and Metadata profiling
- Information Management

Information Exchange

- Secure Interpersonal Messaging
- Secure Inter-organisation Messaging
- Secure Interconnectivity with external systems
- Collaborative Planning
- Secure Intranet with information publishing tools
- Formatted message processing
- Database Extraction Tool

DECISION & PLANNING AIDS

JOCS has a basic set of tools that provide core functions to all users. These include:

- Office automation
- Geospatial Visualisation
- Messaging
- JOCS Intranet
- Information searching and search agent tools
- Imagery tools
- Terrain Profiling Tool

JOCS also provides a large number of tools to support specialist functions. These include:

- Orbat display tool
- Task organisation
- Rules of Engagement
- Scheduling
- Movements
- Information Exchange planning
- Analysts' Notebook
- Map Creation
- Alerts, Indicators and Warnings
- Network and System Management

POINT OF CONTACT

Jonathan Cunnison
T: +44 (0)1256 742704
E: jonathan.cunnison@eds.com

Specialist Tools

- Imagery Manipulation / Viewing Tools
- Geographical Analysis Tools
- Decision Support Tools

JOCS provides capability through an infrastructure plus a set of core tools and a set of optional tools that are continually developed and upgraded. Environmental tools, Campaign Planning tools and specific Battlefield applications (BISA) are now being integrated as part of the continuing incremental development programme.

JOCS is built on Government and Commercial off-the-shelf proven components and applications.

Deployment

- Secure Client Dial Up
- Deployable Component Commander
- Deployable Joint Force Head Quarters

Information Management - Joint Operations Picture (JOP)

The JOP has been designed and developed by EDS to provide a secure information management tool for Joint Operations. The JOP tools provide access to the business information published, manipulated or viewed within JOCS and other systems. The JOP tools are;

- Secure Intranet (Web) to view published information
- JOP geospatial viewer to manage and visualise recognised Pictures
- JOP Explorer provides familiar Windows explorer functionality to the JOP
- Trusted Publisher to securely publish objects
- Database Extraction tool to extract common information from secure databases
- Picture Manager to create and visualise business related layered pictures
- Structure Tool to create, view and access business process driven related views of published data.

Security

Security of Information is of the utmost importance to the Joint Force Commander and his force. Consequently JOCS is built on a secure information infrastructure and provides role based security access, a secure Web and secure Messaging. This gives the Joint Force Commander the capability to maintain operational security, and allows efficient and secure national and coalition operations to be carried out on the JOCS system concurrently.

Interoperability

JOCS allows secure interoperability to a wide variety of national, coalition and international systems using messaging, email and web interfaces. This capability is evolving to provide a managed interoperability service.

Contact

EDS Defence, 1-3 Bartley Wood Business Park
Bartley Way, Hook, Hampshire RG27 9XA
phone: +44 (0)1256 742000
fax: +44 (0)1256 742612
visit: www.edsdefence.com
visit: www.eds.com



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