



WHAT EFFECTIVE JOINT OPERATIONS
 THROUGH **MESSAGING & DECISION SUPPORT**
 BY COMMON TACTICAL PICTURE

BATTLESPACE SUPERIORITY FOR A **JOINT** WORLD

Increasingly, today's operations are a joint force effort. Therefore, a joint Commander and their staff must have access to a headquarters capability which allows planning and execution of concurrent joint operations.

Saab's Joint Staff Planning Tool provides the Joint Commander and staff access to functionality that supports:

- Definition of joint organisations
- Joint situational awareness
- Concurrent planning of multiple operations/ exercises
- Briefing and order preparation tools
- Display of current joint combat capability

The Joint Staff Planning Tool is scalable for flexible deployment throughout the battlespace and facilitates reachback to rearward and homebase prior to, during and after conduct of operations. The architecture of the system allows deployment from a single PC through to distribution of the system throughout the world over fixed and mobile networks, including satellite communications.

Joint Staff Planning Tool can be extended to allow access to various functions from authorised civil and para-military or crisis management organisations. The use of user name authentication, biometric authentication and role-based function access allows a set of tailorable access schemes to be deployed to provide the right capability to the right user at the right time. This can be further tailored by applying a user interface appropriate to the user's required capability.

Functionality within the system is configurable for a particular customer's planning process.

Planning Capability

Joint Staff Planning Tool includes an operations planning tool that can be used to concurrently plan a number of operations within a HQ, and between HQs. The planning tool provides a number of structured workflow steps that can be tailored to a customer's specific doctrine or planning processes during system installation.

Additional third-party or customer provided tools can be added at system installation time. The planning tool is distributed throughout the authorised user group to allow members of the Joint HQ staff to concurrently and interactively develop the plan.

Briefing & Order Capability

Joint Staff Planning Tool provides tools to prepare and display briefing material and to produce written orders which are automatically extracted from the operational planning information, thus saving considerable time and effort. Orders from higher HQ can be imported into the tool to provide the basis for operational planning.



KEY SYSTEM FEATURES

- Completely scalable for flexible deployment.
- Single use or world-wide operability via mobile and satellite connectivity.
- Extendable to include authorised civil, para-military and crisis management functions.
- Multiple authentication support, including biometrics, to include tailored access schemes.
- Incorporates ORBAT icon set.
- Multi-tiered architecture supports complete scalability and flexibility.

Combat Effectiveness Capability

Joint Staff Planning Tool provides tools to collect and display combat effectiveness information based on resource holdings, usage rates and displayed in ORBAT format. The tools allow the user to see at-a-glance indications of unit states, as well as drilling down into the specific information and report contents of individual units.

Predicted combat capability can also be displayed, based on predictions from usage information, war gaming or customer-supplied future capability prediction algorithms.

Intelligence Requirements Collection

Joint Staff Planning Tool integrates with Saab's Intelligence Planning and Analysis System to enable planners to add information requirements at any stage of the operation. Such requirements can be used as the basis of intelligence collection planning.

Joint Operations Framework

Joint Staff Planning Tool is based on a multi-tiered architecture that provides considerable flexibility in how the various system components are distributed in a HQ network or across an organisation.

Telephony and intercom services based on VoIP can be provided as part of the framework. The use of Internet standards in web services and databases means that the capability can be expanded and improved over time with minimal disruption to existing capability.

Collaboration mechanisms are provided to let planners operate over a diverse geographical area on the same operation. An instant messaging chat capability means that planners can see who is working and send instant messages to other planners.

Battlespace Experience Proven

Saab's Joint Staff Planning Tool is based on decades of experience in the C4ISR domain across multiple battle dimensions in multiple countries. Saab has drawn upon its experience with fielded capability in Australia and Sweden to ensure the Joint Staff Planning Tool is both relevant to the joint command environment as well as providing a productive user experience.

Incorporating Open Standards means Future Flexibility

Lower maintenance, expansion and upgrade costs for customers are enabled through the use of open standards in the Joint Staff Planning Tool.

The system makes use of XML/SOAP/HTTP for service communications and OASIS Open Document Format for document formatting or Microsoft document formats.

System Requirements

The joint HQ capability requires a PC equipped with a minimum of 512 MB RAM, a 2.0 GHz Pentium or Celeron processor and loaded with the Microsoft® Windows™ XP Professional operating system. Disk space requirements vary with intended usage however a minimum of 80 GB of HDD space is recommended.

For use in a networked mode, an IP capable local area network, eg. WLAN or 100Base/T is required. If document outputs are required in Microsoft Office format then Office 2003 or later is required.