



## RN COMMAND SUPPORT SYSTEM

**"MISSION ESSENTIAL" DURING THE OPERATIONS IN IRAQ AND SUBSEQUENT OPERATIONS, INCLUDING THE TSUNAMI RELIEF**

/// FACT SHEET



CSS is the Command Support System for the Royal Navy and Royal Marines. CSS functionality has been delivered in a successful incremental programme, with the first delivery in 1998. This has been followed by regular deliveries of functionality matching introduction into service of new platforms such as the Landing Platform Dock ships.

### BENEFITS

- Shared Situational Awareness (National and NATO)
- A very comprehensive set of Decision and Planning Aids for Planning, Monitoring operations and re planning as the operation progresses.
- Mission Rehearsal.
- Plans Saved As National or NATO
- Secure Interoperability, both National, NATO and Coalition.
- Collaborative Planning

### Overview

RNCSS provides 'Situational Awareness' linked to 'Decision Aids' and 'Planning Aids' plus 'Message Handling' into Maritime and Amphibious vessels, Royal Marine Units, Operational Headquarters, Training Establishments and Supporting organisations and agencies.

The number of clients varies between platforms from 72 in an LPD to one or two in a submarine or Support ship (RFA). Many platforms are also enhanced with extra clients for specific operations.

CSS provides secure connectivity and communications with 30 other command systems including UK single service, NATO and Coalition partners' systems.

### CSS Functionality

- **Situational Awareness:** The Recognised Picture, both National and NATO, providing display and management of Units (space, air, maritime and land) combined with the display of overlays then linked to Decision and Planning aids provides situational awareness.
- **Decision and Planning Aids:** A comprehensive set of over 75 decision and planning aids are provided. These include: general, maritime, amphibious and environmental tools.
- **Message Handling:** Formal Signal Messages, Email, Chat, White boarding and Web publishing/browsing can be used to distribute and gather information.
- **Secure Web Browsing**

## SUMMARY

- An integrated command planning capability providing automated aids to support maritime operations.
- More than 75 decision and planning aids, including a comprehensive environmental package.
- A suite of Decision and Planning Aids supporting the military user in both warfight and humanitarian operations.
- Open systems approach to design, with Unix and Windows servers and Windows clients.
- Commonality with the Joint Operational Command System.
- Connectivity to Joint and Allied systems

## POINT OF CONTACT

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## CSS Capability

- Production and Management of the Wide Area Picture, including inputs from own ship sensors, data links and other sources of information.
- Collation and Display of Strategic and Tactical Data, including browsing the Joint Operations Picture (JOP).
- Message Handling, both formal signal messages and secure email.
- Production and Dissemination of plans and briefs supported by numerous software tools.
- Mission Rehearsal.
- Provision of Interoperability to Co-operating Land and Air forces including Situational Awareness and email to Bowman.

## CSS Decision Aids (DAs) and Planning Aids (PAs)

The lists below give some of the DAs and PAs on CSS.

**General Tools:** Office Automation; Plan Manager; JOP; Threat/Friend List; Ships Commanding Officers; Ships Company; Rules of Engagement; Communications Planning; Call signs; Stock levels; NBC; Station Planning; Harbour Defence; Search Planning.

**Recognised Picture & 3D Graphics:** Maritime Pictures; Land Pictures; 3D Graphics; Routes; Geographic Mutual Interferences; 3D Views.

**Maritime:** Maritime Task Org; Duties & Responsibilities; Programme Planning; Resource Scheduler; Flypro; ASUW; AAW; ASW; Preplanned Responses; EW/EMCON Planning; Operational Templates; Formex 100; Formex 101; OpOrder.

**Amphibious/Land:** Land Task Org; Land ORBAT; Land Unit Status; Formal Estimate; Relative Strengths Calculator; Onload/OffLoad; Serials application; Assault Scheduler; Stow Planner; Fire Support; EW/EMCON Planning; Amphibious Intelligence; Engineer Planning; Area Bookings.

**Messaging:** Message Handling; ACP 127; Email (IOM and IPM); ADatP-3 formatting; Text Comparison; Secure Web Browsing/Publishing; Collaborative Planning; Chat; Whiteboarding; File Sharing.

**Environmental:** Forecasters Work Bench; Acoustic Propagation; Forecasting; Radar/Radio Propagation; Meteorological Utilities; Evaporation Duct; Heat Stress; Wind Chill Factor; QNH/QFE calculator; Sunrise/Sunset; Moonrise/Moonset; MCT/ECT; Tidal Calculations.

## Contact

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