Integrated maritime coordination and surveillance system
IMARCS
Extend the reach of your patrol vessels

IMARCS is a command and control system which integrates AIS, GPS and radar into a single picture of the operational environment. This situational awareness picture can be shared end to end, from RHIB, to patrol vessel, to Headquarters in a single real time network.

IMARCS offers naval, coast guard, law enforcement and search and rescue organisations with:

› Real-time situational awareness
› Integration and coordination of sea, air and coastal assets
› Management of maritime jurisdictions
› Search and Rescue (SAR) coordination
› Safe and effective boarding operations
Providing integration at all levels
National/Regional Coordination Centre

Integrating sensors from:
- Coastal radars
- Offshore patrol vessels
- Maritime patrol aircraft
- Helicopters
- Inshore patrol vessels

into a single network

**Patrol Fleets**
Integrating sensors from multiple patrol vessels and RHIBs into a single network.

**Unit**
Integrating sensors from a single patrol boat, its RHIBs and boarding party into a single network.
Network capability

- A network can be as small as a patrol boat and its intercept vessel, or an entire transnational maritime fleet incorporating sea platforms and coastal surveillance sites.
- IMARCS can operate stand-alone forming its own network, or contribute to a national intelligence system such as Australian Maritime Intelligence System (AMIS) and Global Command and Control System via the messaging format OTH-Gold.

Least Cost Routing

The IMARCS system allows each element to contribute to the network through 3G, WiFi, VHF radio or satellite for local and ‘Over the Horizon’ secure 128bit communications. Least Cost Routing ensures the best value-for-money communications are utilised.

Command and Control

Simple, easy to use interface

- Chat, Formatted/Status Message
- File/Pictures and Evidence Transfer
- Assign Search and Rescue Areas, Patrol Areas, Points of Interest, Water Hazards, Obstructions, Course to Close (interdiction) tasks
- Distress Alarm, Man Over Board Messages
- Boarding Party Operations via Tablet/laptop
Key Features

- Integrates sensors such as AIS, radar and Electro-Optical Systems allowing them to be redistributed to any other element on the network.
- Low cost, utilising commercial off-the-shelf hardware.
- Designed and developed in close consultation with customers such as Australian Customs and Border Protection Service.
- Scalable – from a single patrol boat and intercept vessel to a transnational maritime security system incorporating fleets of various vessels sea platforms and coastal surveillance sites.
- Send and receive secure encrypted messages, generate distress alarms and track the location of each unit.
- Easily incorporated into HQ Common Operating Picture environments through messaging formats such as OTH-GOLD.
How to buy

Inmarsat products and services are available through select Inmarsat distribution partners and service providers.

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