ISR | INTELLIGENCE, SURVEILLANCE, & RECONNAISSANCE

CAPABILITIES





ISR capabilities support data sharing and connect Naval operational sensors and platforms to Naval, Joint, and Intelligence Community Enterprises. Expanded surveillance enables ballistic missile defense, enhances maritime safety, and improves the Fleet's ability to understand and predict adversary actions.

DCGS-N FoS

Distributed Common Ground System-Navy Family of Systems

The DCGS-N Family of Systems (FoS) provides the Navy's flagship Intelligence, Surveillance, Reconnaissance, and Targeting (ISR&T) support capability

DCGS-N Inc 1

Distributed Common Ground System-Navy Increment 1

Consolidates geospatial, human, imagery, and signals intelligence analytical tools and broader FoS intelligence products into an integrated computing environment

- Ingests, processes, exploits, fuses, and disseminates data from current and emerging Navy, Joint, and National sensors; enterprise node portal enables access to broader FoS intelligence products
- Web-enabled common intelligence picture facilitates analysis and exploitation
- The Analyst Workshop is a full-service framework that enables rapid, comprehensive intelligence support across full-spectrum military operations

DCGS-N Inc 2

Distributed Common Ground System-Navy Increment 2

Automated data fusion and workflows give time back to the sailor to focus on analysis

- Robust, cross-domain data fusion and automated analytics bridge the gap between Naval operational sensors and platforms and the Naval, Joint, and Intelligence Community (IC) Enterprises
- Expedites the Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) process
- Leverages an agile software development methodology, delivering Fleet Capability Releases every 12-18 months to ensure flexibility in meeting emergent requirements and addressing Fleet user priorities
- Improves ability to detect, identify, and predict maritime threats via accelerated access to IC and ISR data for maritime forces

ICOP

Intelligence Carry-On Program

Extends the ISR Enterprise and the DCGS-N FoS capabilities to unit-level forces and the Joint IC

- Portable workstation receives, processes, exploits, and disseminates multi-intelligence data from airborne and organic sensors; integrates 3-D ISR picture of the battlespace
- Common toolkit of critical ISR capabilities for unit-level and expeditionary forces; supports NECC, USMC, USCG
- Provides data to the Joint IC without burdening limited bandwidth information systems

AIS

Automatic Identification System

AIS is the cornerstone of maritime safety at sea

- Collects open-source data broadcast from commercial shipping vessels and fuses it with ISR data; informs vessel position, speed, course, destination, and critical data for navigation safety and maritime security
- Provides over-the-horizon views; transponders differentiate radar signals to identify threats
- Used for collision avoidance in choke points, Vessel Traffic Services areas, and during inclement weather
- Identifies large areas of unknown context to help deployed strike groups increase situational awareness and decrease their area of investigation

MIBS/JTT-M

Maritime Integrated Broadcast Service / Joint Tactical Terminal-Maritime

Ship sensors have a radar range that cannot always detect threats over-the-horizon

- Integrated broadcast terminals transmit and receive National and theater data, enabling units to collect intelligence, specifically indications and warnings of high-priority events
- Ship commanders have more accurate and timely situational awareness about threats to their units

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