



Information Operations

A USN Perspective

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Challenges

- ◆ **Improve Navy Information Operations effectiveness**
- ◆ **Fully integrate Maritime Information Operations into Joint Force operations**
- ◆ **Utilize the network as 4th warfighting platform of the Information Age**
- ◆ **Develop and integrate the right Information Operations capabilities which leverage the Navy's service strengths**
- ◆ **Contribute effectively to Homeland Security**
- ◆ **Transform the Information Operations workforce**



Meeting the Challenges

- ◆ **Stand up Naval Network Warfare Command**
- ◆ **Realignment**
- ◆ **Defining and refining processes**
- ◆ **Building and deploying capabilities**

Operationalizing Navy IO



Designating IO as a Navy Warfare Area

Core Capabilities

- EW
- PSYOP
- Deception
- OPSEC
- CND
- CNA

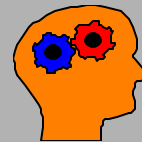


Information Operations



is...

Affecting adversary while defending one's own information or information systems



Decision maker

Key Enablers

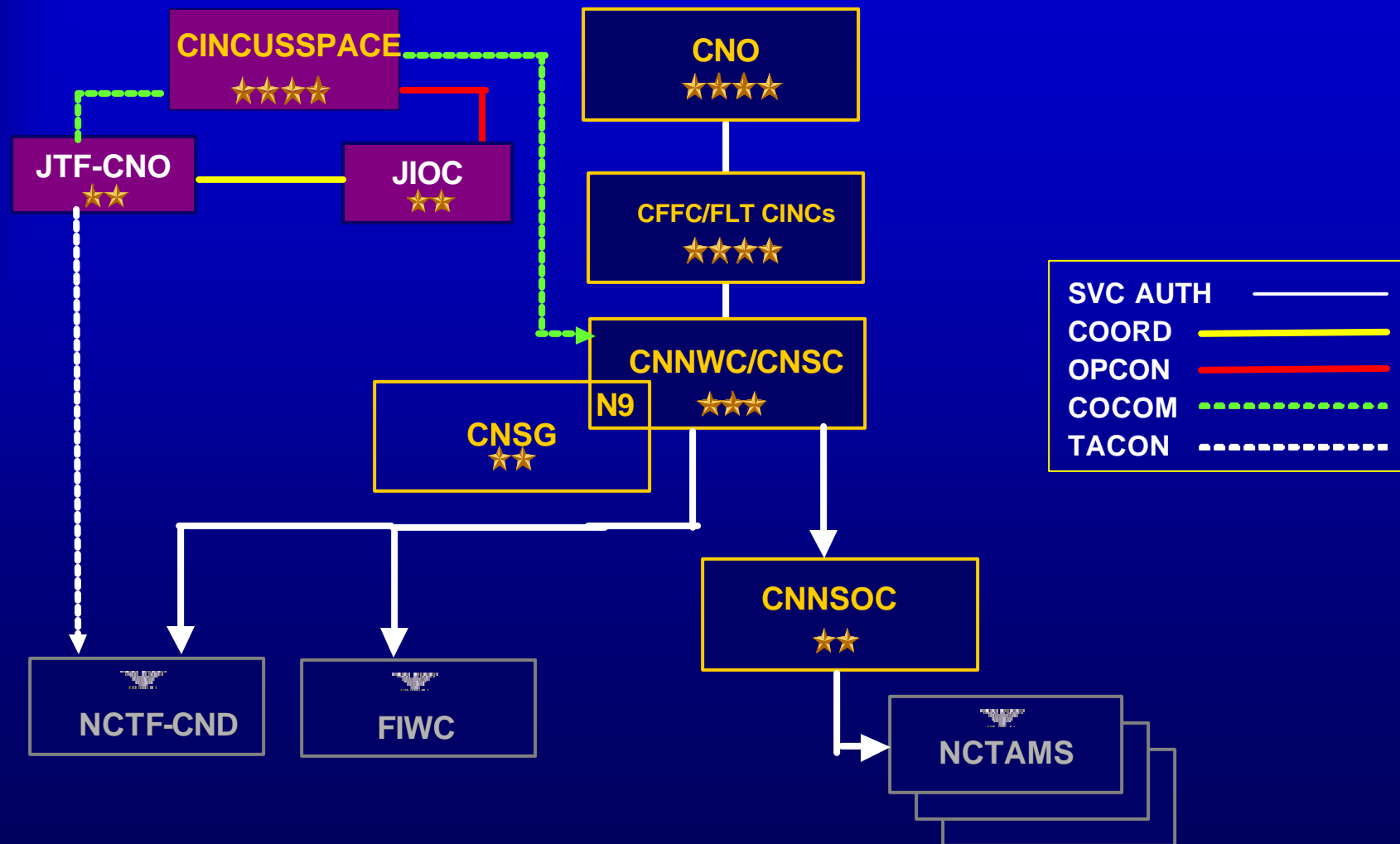
- Intelligence
- IA
- Destruction
- PHYSEC
- PA
- CA





NETWARCOM

RECOGNIZING THE VALUE OF THE NETWORK AS A WARFIGHTING CAPABILITY





NETWARCOM Overview

- ◆ **Stand up in the July 2002 timeframe in Norfolk, VA**
- ◆ **Serve as Navy central coordinating authority for IT, IO, and Space mission areas, under Fleet direction**
- ◆ **Report administratively to Commander, U.S. Fleet Forces Command and operationally to all Fleet CINCs to support the development and integration of IT, IO and Space warfighting requirements and capabilities within Fleet forces**



NETWARCOM & IO

- ◆ **Facilitate Fleet efforts to integrate and operationalize all aspects of IO in Fleet operations**
- ◆ **Ensure commanders are provided with IO exercise and operational planning support, and that specialized technical capabilities are available when required**
- ◆ **Coordinate and evaluate the operations of a full-spectrum Red Team**



NETWARCOM & IO

- ◆ **Oversee compliance with Navy IAVA and INFOCON implementation programs and other CND policies and guidance**
- ◆ **Harmonize Title 10 and 50 activities in support of requirements development and resource allocation**
- ◆ **Coordinate the defense of Navy computer networks and systems**



NETWARCOM & Requirements

Responsibilities

- ◆ Act on behalf of stakeholders as IT, IO, and Space advocate
- ◆ Participate in all relevant requirements forums
- ◆ Coordinate, assess, reconcile and document operational IT, IO, and Space requirements

Value Added

- ◆ Single requirements POC for IT, IO, Space domain
- ◆ End-to-end, global view
- ◆ Integrated approach, solutions

Products

- ◆ Metrics
- ◆ Assessments
- ◆ Capstone Requirements
- ◆ Architecture
 - ◆ Operational, Systems, Tactical
- ◆ Trend Analysis
- ◆ Capability Roadmaps



Multi-Platform, Multi-Purpose Capabilities

- Be **interoperable** with other strategic, operational & tactical IO systems
- **Facilitate connectivity** to the Joint and Maritime IO community via the DII
- Possess **multi-use** capability to defend, exploit and/or attack
- Be agile, flexible and **modernized** to keep pace with target technologies
- Operate as a part of a larger, distributive, **shared-resource environment**
- **Scalable** to the Maritime commander's needs
- Be **organic or easily portable** to the Maritime commander
- Execute **on demand, precision IO** to achieve theater engagement objectives
- Be **balanced end-to-end** with life-cycle support tailored to **ensure readiness**



Leverage Our Maritime Strengths

- ◆ Assured access
- ◆ Sustained operations
- ◆ Immediate employability
- ◆ Sovereign freedom of action
- ◆ Controllable signature
- ◆ Organic capability



Combat Credible Forces Forward



PSYOP

Capitalize on Navy's forward presence and early on-scene arrival to shape the information environment

- ◆ **Product Development**
 - ◆ Establish MOA/U with SOCOM & ASOC
 - ◆ Expand resources dedicated to PSYOP
- ◆ **Message Production**
 - ◆ Procure afloat print production capability
 - ◆ Pre-stage PSYOP products in forward areas/ on board prior to deployment
- ◆ **Message Dissemination**
 - ◆ Develop capability via modern communication paths
 - ◆ Improve legacy dissemination means





COMMS EA

Use lessons learned from OEF to build Joint procedures and doctrine

- ◆ **Develop an effective process to complement the strike/kinetic process**
- ◆ **Refine EW BDA**
- ◆ **Develop IW target folders**
- ◆ **Formally state information requirements for EA-6Bs**





IO in Homeland Defense

- ◆ **IO is essential to Force Protection**
 - ◆ Enhances ability to deceive/deter/dissuade potential adversaries, terrorists
 - ◆ Roles for MILDEC, PSYOP and Public Affairs as key enablers
- ◆ **Defensive IO is more than CND**
 - ◆ OPSEC
 - ◆ Red Teaming

IO can contribute significantly to Homeland Security



The Navy is:

- ◆ **Transitioning IO to warfare area**
- ◆ **Reorganizing/realigning to:**
 - ◆ **Establish/refine IO processes**
 - ◆ **Develop and deploy IO capabilities**
 - ◆ **Improve IO execution**

**All in support of warfighting and
defending our Nation**