

Office of Naval Intelligence Technology Initiatives

Navy and IC Policies & Initiatives Governing ONI

November 5, 2025

Overview

The Office of Naval Intelligence’s (ONI) technology directives and initiatives come from Office of the Director of National Intelligence (ODNI) and the Department of the Navy (DON) requirements. Intelligence Community (IC) established initiatives including the IT Roadmap and IC Data Strategy outline ways the IC seeks to modernize and manage its IT and data infrastructure. The DON Technology Priorities and Containerization Technology Use memos establish technology priorities and standards. Together, these IC and DON initiatives and policies dictate ONI technology initiatives and opportunities.

Vision for the IC Information Environment: An Information Technology Roadmap

The Vision for the [IC Information Environment: An Information Technology Roadmap](#) provides a 5-year vision from FY25 to FY30 for secure and mission-focused IT modernization. Rising cyber threats, rapid technological change, and need for real-time intelligence demands a shift from dispersed systems to integrated, data-driven, and AI-enabled technology infrastructure. The Roadmap outlines five priority areas:

Focus Area	Initiative	Milestone Goals
Focus Area 1.0: Reliable and Resilient Digital Foundation	1.1 Optimize the IC's Cloud Environment	FY25-FY27
	1.2 Advance and Scale Computing, Storage, and Transfer	FY26-FY29
	1.3 Empower the Edge	FY28-FY30
Focus Area 2.0: Robust Cybersecurity	2.1 Achieve Zero Trust	Sep 2025-2029
	2.2 Modernize Enterprise Risk Management	FY24-FY30
	2.3 Mature and Integrate Security Coordination	FY27-FY28
	2.4 DevSecOps	FY25-FY30
	2.5 Realize Quantum Resistant (QR) Cryptography	FY27-FY29
	2.6 Harden Cross-Domain Solutions (CDS)	FY26-FY30
Focus Area 3.0: Modern Practices and Partnerships	3.1 Enhance and Extend Collaboration	FY25-FY30
	3.2 Cultivate Agile and Non-Traditional Partnerships	FY25-FY27
	3.3 Achieve Ubiquitous IT Accessibility	FY27
	3.4 Advance Interoperability Among IC Elements	FY26-FY28
Focus Area 4.0: Data-Centricity	4.1 End-to-End Data Management	FY26
	4.2 Data-Centric Architecture	FY26-FY27
	4.3 Transitioning Sensitive Data Siloes to Data-Centric Enclaves	FY26
Focus Area 5.0: Advanced Technologies and Workforce Readiness	5.1 Advance at Scale	FY25-FY30
	5.2 Prepare Now for Over-the-Horizon Capabilities	FY26
	5.3 Priming the Future Workforce	FY27

The roadmap signals opportunities for Carahsoft vendors to support IC modernization throughout all five focus areas. Focus Area 1.0 – Digital Foundation, stresses demand for cloud migration services, multi-cloud platforms, advanced storage, and DDIL-capable networks. Focus Area 2.0 – Cybersecurity, highlights opportunities in zero trust architectures, DevSecOps, advanced threat detection, and quantum-resistant encryption. Focus Area 3.0 – Collaboration and Interoperability, calls for secure communication platforms, identity and access management solutions, and technologies that enable interagency data sharing. Focus Area 4.0 – Data Centricity, denotes high demand for data

management platforms, data fabric solutions, and advanced analytics to drive mission success. Focus Area 5.0 – Advanced Technologies and Workforce, emphasizes the need for AI/ML platforms and workforce training solutions that accelerate adoption of emerging capabilities across the IC.

IC Data Strategy 2023-2025

The IC Data Strategy outlines four primary focus areas for 2023 to 2025 to guide the IC in unlocking mission value and insights and in leveraging data to operate, collaborate, and communicate securely and speedily. The following focus areas are intended to drive solutions for the IC’s challenges with data management:

Focus Area	Initiatives
Perform End-to-End Data Mangement	Strengthen data governance, quality, and lifecycle management
Deliver Data Interoperability and Analytics at Speed and Scale	Enable seamless data exchange and rapid insights through shared architecture and AI-ready infrastructure
Advance All Partnerships for Continued Digital and Data Innovation	Expand collaboration with federal, academic, and industry partners to accelerate capability development
Transform the IC Workforce to Data Driven	Build data literacy and analytical proficiency across all mission areas

These focus areas are designed to maintain advantage over adversaries as they will adapt to the rapid pace of digital innovation. Although this strategy was intended for years 2023 to 2025, there is still demand for data management tools as the IC has not yet met the goals in the Data Strategy. For vendors, the IC Data Strategy indicates opportunities in data governance, metadata management, interoperability frameworks, secure cloud migration, and AI-enabled analytics tools.

DON CTO Priority Technology Areas

On June 17, 2025, the Chief Technology Officer (CTO) of the Navy released a [memo that outlines five technology priority areas](#) for the Navy that align with the Department of Defense’s (DoD) strategic goals. These priority areas, effective immediately from the publish date, focus on maximizing operational effectiveness, bolstering cyber resilience, and accelerating procurement of emerging technologies to outpace adversaries and maintain mission readiness. To achieve these goals, DON seeks to leverage other government agencies, but also private sector partners. The following Technology Priority Areas (TPAs) are the guiding efforts for modernization:

PTA	Initiative
AI/Autonomy	Core AI – Machine learning, Natural language processing (NLP)
	Trust & Governance – Model assurance, AI risk controls
	Autonomous Systems – Mission autonomy, human-machine teaming
	Edge Integration – Cloudlets, smart routing
C5ISR/Naval Space	Sensing & Fusion – Multi-INT analytics, automated targeting
	C2 Systems – Common ops picture, targeting algorithms
	Space Capabilities – Hybrid satellite constellations, space-based PNT
	Integration – Open architectures, coalition data sharing
Quantum	Secure Comms – Post-quantum cryptography (PQC), quantum links
	Transport – Hybrid quantum-classical networks
	Deployment – Edge AI, DevSecOps pipelines

Transport Connectivity	Networks – 5G/FutureGen, mesh architectures
	Resilience – Spectrum agility, anti-jamming
	Tactical Comms – Datalinks, ship-to-X mesh
	Positioning, Navigation, and Timing (PNT) – Quantum navigation gravimetry
	Infrastructure – Interconnects, cryogenic systems
Cyber Space Ops/Zero Trust	Identity – Attribute-based Access Control (ABAC), federated access
	Zero Trust – Micro segmentation, adaptive controls
	Cyber Ops – Threat hunting, deception
	Operational Technology (OT) Security – Industrial Control System (ICS)/Supervisory Control and Data Acquisition (SCADA) defense, remote access

These TPAs provide numerous opportunities for Carahsoft vendors to provide mission support. AI and Autonomy signals needs for deployable machine learning, explainable AI, and secure DevSecOps pipelines. Quantum efforts create openings in post-quantum encryption, quantum networking, and enabling infrastructure. Transport and Connectivity demand resilient 5G/FutureGen, mesh networks, and edge computing solutions that enhance data flow in contested environments. C5ISR and Naval Space expand opportunities for vendors who can provide multi-INT fusion, open architectures, and coalition-ready data systems. Cyber and zero trust indicate demand for advanced identity management, adaptive access controls, and OT security.

Containerization Technology Usage

On July 17, 2025, the DON Chief Information Officer (CIO) released a memo [requiring containerization technology usage](#) to accelerate modernization, improve software resilience, and reduce time for data sharing across departments. This memo, effective upon its published date, establishes enterprise standards for how the DON develops, secures, and deploys containerized software applications, particularly in phases of cloud migration or modernization.

For IT vendors, this memo provides opportunities in container deployment, DevSecOps, and continuous integration solutions.

What These Mean for ONI

These policies collectively drive ONI toward a unified, data-centric, and AI-enabled intelligence environment. The IC IT Roadmap and Data Strategy push ONI to modernize its digital foundation by migrating to secure multi-cloud infrastructure, strengthening zero trust, and integrating advanced analytics for faster, interoperable intelligence sharing. The DON CTO priorities align ONI with naval innovation in AI, quantum security, and resilient communications, while the Containerization memo standardizes how ONI develops and deploys mission applications. Together, they require ONI to evolve into a flexible, cyber-resilient, and data-driven enterprise optimized for real-time maritime intelligence operations.

What These Mean for Vendors

For vendors, these directives signal long-term demand for secure, interoperable, and AI-enabled solutions across ONI. Opportunities are present in zero trust cybersecurity, DevSecOps pipelines, and containerized software to enable agile deployment, cloud and edge computing for resilient data access, and AI/ML, data fabric, and analytics tools to enhance maritime intelligence and decision advantage. Vendors with FedRAMP and CMMC certifications capable of delivering scalable solutions in these areas are well positioned to support ONI technology needs.