



DEPARTMENT OF THE NAVY

Task Force Innovation Working Groups



**EMERGING
OPERATIONAL
CAPABILITIES**

ADAPTIVE WORKFORCE

INFORMATION

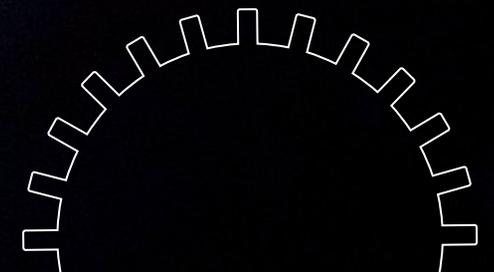
VISION

Value Information as an Asset

The Department of the Navy (DON) recognizes information is a strategic asset that empowers personnel at all levels of the organization to make informed decisions. DON will integrate technology and learn from best practices to maximize the value of our information. The private sector, other government agencies, and some components of the DON have demonstrated clear benefits from robust data sharing strategies; including lowering the cost to acquire novel solutions, increasing productivity, engaging non-traditional partners, and capitalizing on the collective intelligence within and outside their respective organizations.

We collect more data each day than the total amount stored in the Library of Congress and we must boldly adopt a data strategy and stable conceptual vocabulary for addressing information challenges. Organizations across the DON have dedicated time and resources to turn their data into useful information, but have then faced institutional barriers to sharing that information. In order to become a learning organization and fully profit from our vast wealth of data and experience, the DON must improve sharing of information across the enterprise by adopting available best practices. Today we use technology in our personal lives to seamlessly create networks and communities of interest unconstrained by geography or existing relationships. Having those capabilities across the DON is integral to connecting people-to-people and people-to-information to more effectively perform the mission.

INFORMATION AS AN ASSET WORKING GROUP



ONGOING EFFORTS

The working group identified initiatives that enhance how we use information as an asset; such as creating an Innovation Network and Incentives, Data Sharing and Data Analytics. Information and information systems can present risk; however, they also provide opportunity and enable innovation. We must rethink how we value and share information and ensure our processes allow us to move at the speed required to perform our mission in the information age.



KEY OBJECTIVES:

- Become a Data-Centric DON
- Develop an Advanced Analytics Agenda
- Increase Agility in Training and Acquisition Processes
- Build Analytics Expertise and Certification Pathways
- Reduce the Burden Associated with Sharing Information



Learning Organization Cycle



LONG TERM EFFORTS

CHIEF DATA OFFICER (CDO)– ESTABLISH A CDO TO PLAN, DIRECT, AND IMPLEMENT THE DON'S ENTERPRISE DATA STRATEGY

- Determine if the CDO is a standalone office or included as a function of the CIO.
- Lead DON efforts to develop and implement an enterprise data strategy.
- Develop and implement a data governance structure as part of the DON Information Enterprise Governance Board (IGB).

DON DATA STRATEGY – REFLECT NEW/IMPROVED WAYS TO CAPTURE, STORE, MANAGE AND USE INFORMATION

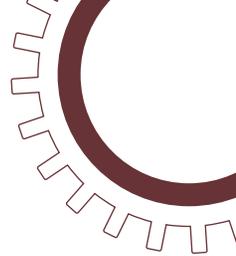
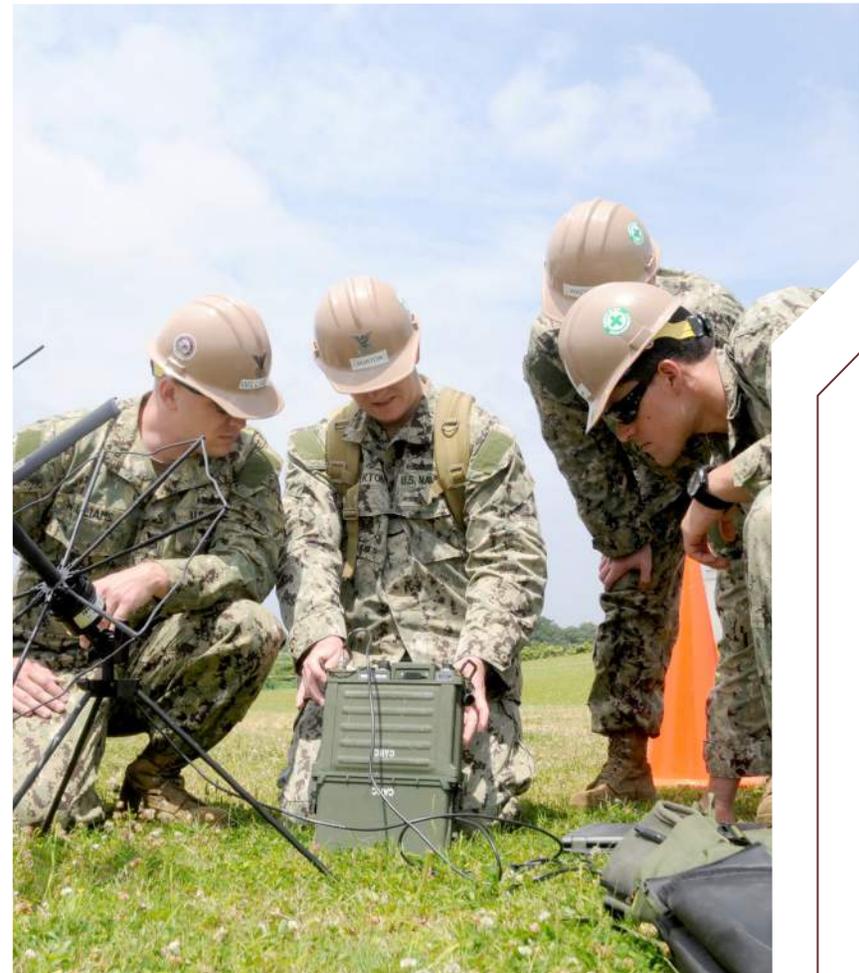
- Examine existing policy and technological barriers limiting information sharing.
- Determine the necessary architectures and frameworks for secure data collection, maintenance, and dissemination.
- Examine the roles and responsibilities of data generators within the framework.

DATA VISIBILITY AND ACCESS

- Define goals of a data savvy workforce, for inclusion in DON Data Strategy.
- Require Modified DON Enterprise Architecture compliance requirements to include mandatory elements for a common data dictionary and metadata tagging.
- Enforce the requirement to input all mandatory information fields in the DITPR-DON system.
- Review all required forms and reports to and from the Fleet and determine which can be eliminated.

OPEN DATA – TO FUEL INNOVATION AND PUBLIC AWARENESS

- Create a repository to share DON data across the enterprise and with the public.
- Identify, collect and review for dissemination and publication noteworthy records to raise awareness and broaden understanding of the DON's accomplishments and history, as well as offering context for decisions.
- Review and/or establish policy and processes which enable open data for public use and awareness.





INNOVATION INFORMATION EXCHANGES

- Expand successful forums, such as ONR's TechSolutions, the Athena Project, and the Naval Surface Warfare Center Carderock Division's Technical Director Innovation Challenge across the DON.
- Schedule forums on innovation focus areas which will empower the workforce to develop and pitch ideas to gain leadership support, promote agile acquisition of required components, and create pathways for speedy communication and the adoption of the new concepts.
- Ensure ideas and concepts generated in the forums are captured and given an opportunity to compete with traditional warfighting technology concepts and business practices.

IMPROVED CONNECTIVITY THROUGH KNOWLEDGE MANAGEMENT

- Establish an effective framework to capture, organize, apply and cultivate knowledge gained from previous live and virtual events.
- Create a repository to serve as a data-rich environment for cross-disciplinary knowledge generation.