Department of the Navy Data Challenges

How You Can Help

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- The OPEN Government Data Act is part of P.L. 115-435
- Some CIO authorities were re-aligned to the CDO under P.L. 115-435

Agencies (including the DON) are required to designate an agency Chief Data Officer (CDO) to coordinate agency-wide data governance and management (44 USC § 3520), including:

- Lifecycle data management
- Coordinate use, protection, dissemination, and generation of data
- Manage data assets, including standards
- Maximize the use of data in the production of evidence, cybersecurity, and improvement of agency operations

The Under Secretary of the Navy signed the CDO designation letter on 2 Oct 2019

DoD Data Strategy, providing guidance, planned for signature within 30 days
Where We Are

• Good
  – Making advances in operational readiness using DON data
  – Data analytics being leveraged for better decision-making at senior levels
  – Exceptionally talented and passionate people working difficult issues using DON data

• Bad
  – Data activities are widely distributed and disjointed
  – Each Service and command has approached data differently
  – Critical enablers, such as artificial intelligence, machine learning, and predictive analytics, require a unified approach to data

• Ugly
  – Data quality, completeness, and accuracy can be highly suspect in systems of record
  – No catalog of systems or the data within those systems
  – Incomplete guidance and policies around data use, dissemination, or disposition
  – Limited training and low workforce literacy around data

DON lacks unity of vision and unity of effort around data
Data Hierarchy of Needs

We want to be here

But we have to start here
Where We Are Heading

- DoD has established a CDO Council and the Defense Management and Analytics Steering Committee (DMASC) to aid in Department-wide governance and decision making

- DON is establishing the Data Governance Board to elevate data governance and decisions
  - DGB reports to Business Operations Management Council (BOMC) chaired by the Under Secretary of the Navy

- DON will have one Chief Data Officer and possibly two Deputy DON Data Officers (D3) – one for the Navy and one for the Marine Corps
  - Naval data management centered on Data Stewards, not data officers

- Data Management Concept of Operations will be finalized and signed out within 60 days
  - Establishes Information Domains led by Data Stewards

- DON Data Architecture will be drafted and signed out in about 90 days

- DON Implementation Plan for the DoD Data Strategy will be signed out within 90 days
  - LOE 1 – Set the Foundation
  - LOE 2 – Evolve the Workforce
  - LOE 3 – Position and Protect the Data
  - LOE 4 – Build, Optimize, and Operationalize Environment
  - LOE 5 – Manage and Govern
How Can You Help?

- **Partner with LOE leads**
  - Draft the I-Plan
  - Implement tasks

- **Bring new and fresh ideas to the mix**
  - Not just products or solutions

- **Identify roadblocks, impediments, and obstacles**
  - Policies, practices, techniques, and procedures

- **Identify success stories and positive mission outcomes**
  - Champion your project through the DON data team

- **Help us clean, curate, and standardize**
  - Make data visible, accessible, understandable, linked, trusted, interoperable, and secure

Bring unity of action to all things data
“Solutions require concentration, effort, and knowledge”

William Jefferson Clinton
42nd President of the United States

Questions? DON_Data@navy.mil