



DEPARTMENT OF DEFENSE

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CHIEF INFORMATION OFFICER

MEMORANDUM FOR CHIEF MANAGEMENT OFFICER OF THE DEPARTMENT OF DEFENSE

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For Open Publication

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Department of Defense
OFFICE OF PREPUBLICATION AND SECURITY REVIEW

SUBJECT: Designation of Enterprise Services Supporting Federated Data Cataloguing

- References:
- (a) Department of Defense Data Strategy, September 30, 2020
 - (b) 44 U.S. Code §3511. Data Inventory and Federal Data Catalogue
 - (c) DoDI 8320.02, Sharing Data, Information, and Information Technology (IT) Services in the Department of Defense
 - (d) DoDI 8320.07, Implementing the Sharing of Data, Information, and Information Technology (IT) Services in the Department of Defense

The Department of Defense (DoD) Digital Modernization Strategy calls for the Department to strategically leverage its data assets in order to create operational advantage. This begins with ensuring that data is broadly visible and accessible to serve authorized users across the enterprise as highlighted in reference (a). Therefore, the Department must accelerate its data cataloguing efforts. Given the vast diversity of data assets across the Department, data cataloguing efforts must evolve from disconnected and disparate systems, to a fully interconnected federated approach. I am establishing enterprise service leads to coordinate and advance these efforts across the Unclassified, Secret, and Top Secret fabrics, as well as for the Mission Partner Environment (MPE). Additionally, the Department will utilize a singular interface with the Federal Data Catalogue to support the requirements of reference (b).

This memorandum designates the Advanced Analytics (ADVANA) program, led by the Office of the Secretary of Defense (Comptroller) / Chief Financial Officer, as an enterprise service provider for data cataloging on the Unclassified and Secret fabrics, as well as the DoD's singular interface with the Federal Data Catalogue. The Defense Intelligence Agency's Data Governance Platform will integrate DoD data cataloging efforts on the Top Secret//Sensitive Compartmented Information (TS//SCI) fabric, and the Department of the Air Force will deliver data cataloging capability for the MPE. The DoD Chief Data Officer (CDO) will oversee the overall implementation of this effort and address impediments to effective enterprise data management.

Components shall catalogue their data assets and data dictionaries, and make data assets discoverable within the parameters of its designated classification controls in the applicable enterprise service provider data catalog. Coordination with the enterprise service providers will include establishment of the necessary open standard interfaces, technical implementations, and common processes for data stewardship. Data stewards will also coordinate with Principal Staff Assistants to prioritize the cataloging of authoritative or critical operational datasets used for Joint missions. Specific responsibilities are provided in the attachment titled DoD Federated Data Cataloging and will be incorporated in the next revision to references (c) and (d).

The DoD CDO point of contact for this effort is John Turner at (571) 296-7519 or john.d.turner120.civ@mail.mil.

David Spirk
Chief Data Officer
Department of Defense

Attachment:
As stated

Attachment

DoD Federated Data Cataloguing

Chief Data Officers

- Deliver a data cataloguing capability and actively manage data assets, data dictionaries, and dataset metadata;
- Federate Component data catalogues with Enterprise Service Provider data catalogues;
- Establish a unified interface with the Enterprise Service Providers data catalogue;
- Implement Component-specific data and messaging standards to align with DOD and Federal standards;
- Provide access to, and encourage use of, the Component data catalogue;
- Coordinate with Enterprise Service Providers prior to establishing cross-domain capability across classification fabrics.
- Coordinate with Data Stewards to establish and manage an action plan to determine the appropriate attributes, roles, privileges, and access control labels for managing access to and use of data and metadata within the Department.
- Coordinate with Data Cataloging Working Group (DCWG) to establish and maintain appropriate access control policies and methodologies used to manage access to and use of data and metadata.
- Govern/direct data lifecycle management requirements for all Component data assets.

Enterprise Service Providers

- Deliver data cataloguing capability and operate as the hub on each security classification domain enabling federated data cataloguing;
- Where appropriate, operate as a managed service for external DoD organizations; whether through centralized funding or an appropriate cost-recovery model; plans to operate as a managed service will be provided to DoD CDO Council within 180 days of signature of this memorandum;
- Coordinate with data stewards to create common processes and enterprise workflows to accelerate data cataloging;
- Coordinate with current Data Cataloguing Working Group (DCWG) community stakeholders to create common enterprise processes, interface requirements, metadata standards, and workflows;
- Collaborate with data stewards to create common processes and enterprise workflows to accelerate data cataloging;
- Monitor, gather, and implement requirements for data lifecycle management;
- Work with Data Cataloging Working Group (DCWG) and Data Stewards to create, implement, and maintain the appropriate access control mechanisms used to manage access to and use of data and metadata.
- Host DoD-wide, USG-wide, or commercial data, metadata, messaging, data normalization, and access control labeling standards and best practices as applicable.

Data Stewards

- Within your respective organization, catalogue data and metadata assets and provide appropriate access control labels for each data and metadata asset, in coordination with Chief Data Officers and Enterprise Service Providers;
- Maintain organization-specific data and messaging standards;
- Deliver data cataloguing capability to actively manage metadata of Component data assets;
- Promulgate data catalogues across the organization;
- Coordinate with Enterprise Service Providers prior to establishing cross-domain capability;
- Evaluate opportunities to consolidate internal cataloguing efforts.

Exemptions

- Nothing in this memorandum shall infringe on the DoD OIG's statutory independence and authority as articulated in the Inspector General (IG) Act of 1978, as amended, 5 U.S.C. App. In the event of any conflict between this memorandum and the DoD OIG's statutory independence and authority, the IG Act takes precedence.