COI Framework and Activities

These three major COI activity areas comprise a framework to meet the goals of the Net-Centric Data Strategy

Key Activities:

- Identify and Establish COI
- Identify membership and governance (e.g. Mission Areas, Domains) and key stakeholders (e.g. Programs, Operators)
- Identify/prioritize/select key COI capabilities and data assets to expose to Enterprise
- Register into the DoD COI Directory (https://extranet.itis.osd.mil/coi)
- Define and register COI structural metadata (e.g. taxonomy, vocabulary, data models, schema)
- Define discovery metadata and process (extend the DDMS)
- Tag data assets and post to searchable catalogs (e.g. Domain metadata catalog and service registry)
- Register COI services (supports separation of data from applications)
- Operate and sustain COI services (e.g. web services) for selected COI capabilities (leverage NCES CES)
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DoD Directive 8320.2  
(Data Sharing in a Net-Centric DoD)  
http://dtic.mil/whs/directives/

DoD COI Directory at  
http://extranet.itis.osd.mil/COI

COI Frequently Asked Questions at  
http://www.defenselink.mil/nii/org/cio/doc/COI_  
FAQ.doc

DoD Net-Centric Data Strategy  
http://www.defenselink.mil/nii/org/cio/doc

Dod Discovery Metadata Specification (DDMS)  
http://metadata.DoD.mil
Community of Interest (COI)
Data Sharing in a Net-Centric Environment
COIs

What is a COI?

Collaborative groups of users who must have a shared vocabulary to exchange information in pursuit of their shared goals, interests, missions, or business processes.

Who is in a COI?

Anyone can be in a COI including:

- End users
- Program managers
- Application developers
- Functional subject matter experts
- Combatant Command, Service and Agency representatives
- IT Portfolio representatives

Why are COIs formed?

- Resolve issues affecting their communities
- Increase information sharing, volume, speed, and reach to known and unanticipated users
- Provide organization and maintenance construct for data

What does a COI do?

- Identify data assets such as files, databases, and information services
- Make data assets visible, accessible, and understandable (tagged and discoverable)
- Define shared vocabularies and taxonomies
- Register semantic and structural metadata to the DoD Metadata Registry

What is the Governance structure for COIs?

- COIs can come about ad hoc or formally directed
- IT Portfolio Managers facilitate data sharing activities across COIs
COIs implementing the data strategy share a common taxonomy (vocabulary/relationships). Publish Structural and Semantic Metadata and Services.

Focus of Net-Centric Data Strategy

“Shared Space” Query Catalog and Registry

“Pull” Structural and Semantic Metadata

Data Producer

Data Consumer

Known and Unanticipated Users

DoD Service Registry

DoD Discovery Catalogs

Post before processing... only handle information once

Users will pull data... going from smart push to smart pull

All Data Assets are tagged with DDMS Metadata

DoD Service Registry

DoD Discovery Catalogs
COI shares a common taxonomy (vocabulary/relationships)

Publish Structural and Semantic Metadata

Publish Data and Services

Post before processing... only handle information once

“Pull” data

All Data Assets are Tagged with DDMS Metadata

Users will pull data... going from smart push to smart pull

Known and Anticipated Users

“Shared Space”

DoD Metadata Registry

Content

Data Consumer

Structural and Semantic Metadata