



Whitemarsh
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Data Management Program: Work Breakdown Structures

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1.0 Communities of Interest (COI)

- a. Establish and manage COI Infrastructure
 - i. Create Prototypical Concept of Operations
 - ii. Create Metadata Repository Environment
 - iii. Create Methodology for COI Efforts
 - iv. Create Data Asset Product Specifications
 - (1) Create Development Guides
 - (2) Create Metadata Repository Export and Import Templates
 - (3) Create Data Asset Product Assessment Guides

- b. Create Metadata Infrastructure in Metadata Repository
 - i. Mine and load the 11179 Data Element Metadata Components from the DDDS
 - ii. Mine and load the conceptual data model Metadata Components from the DDA
 - iii. Acquire and load appropriate Ontologies and Taxonomies into 11179 Data Element Metadata Components
 - iv. Acquire and load appropriate data management metadata into the metadata repository

- c. Discover Communities of Interest (COI)
 - i. Create the Resources of the Enterprise
 - ii. Create Resource Life Cycles for each Enterprise Resource
 - iii. Identify inventory of Automated Information Systems (AIS) within the enterprise
 - iv. Allocate AIS to Resource Life Cycle Nodes
 - v. Identify/Characterize Database Objects within each AIS
 - vi. Allocate non-redundant set of Database objects to the Resource Life Cycle Nodes
 - vii. Allocate the CRUD indicator to the intersection of Database Object and RLC Node
 - viii. Allocate the CRUD indicator to the intersection of AIS and RLC Node
 - ix. Perform an Affinity Analysis of the AIS & Database Object with respect to the RLC Node
 - x. Propose COIs for the highest affinity levels
 - xi. Organize Institutional COIs as those that are organizationally related
 - xii. Organization Joint COIs as those that embrace multiple services
 - xiii. Organization expedient COIs as those that are not institutional nor joint

- d. Establish and Manage Mission Area COIs
 - i. Build Enterprise Mission Area metadata within the Metadata Repository
 - (1) Create Enterprise Mission Area Mission Models



- (2) Create Enterprise Mission Area Organization Models
 - (3) Create Enterprise Mission Area Function Models
 - (4) Create Enterprise Mission Area Information Needs Models
 - (5) Create Enterprise Mission Area Resource Life Cycle Models
 - ii. Interrelate Mission Area metadata with other mission areas
 - iii. Evolve and maintain Mission Area metadata
- e. Establish and Manage Domain Area COIs
 - i. Build Domain Area metadata within the Metadata Repository
 - (1) Create Domain Area Domain Models
 - (2) Create Domain Area Organization Models
 - (3) Create Domain Area Function Models
 - (4) Create Domain Area Information Needs Models
 - (5) Create Domain Area Resource Life Cycle Models
 - ii. Interrelate Domain Area metadata with other Domain Areas
 - iii. Interrelate Domain Area metadata with Mission Area Metadata
 - iv. Evolve and maintain Domain Area Metadata
- f. Establish and Manage Function based COIs (e.g C2 COI)
 - i. Build Function based COIs metadata within the Metadata Repository
 - (1) Create Function Based COI Infrastructure Metadata Models
 - (a) Create Function based COIs Mission Models
 - (b) Create Function based COIs Organization Models
 - (c) Create Function based COIs Function Models
 - (d) Create Function based COIs Resource Life Cycle Models
 - (2) Evolve and maintain Function Based COI Metadata
 - (3) Create Function Area IESS Models
 - (4) Evolve and maintain IESS Models
 - ii. Interrelate Function based COI metadata with other function area COI metadata
 - iii. Interrelate Function based COI metadata with Domain Area Metadata
- g. Harmonize COI Data Asset Products
 - i. Harmonize Function Area Models with Joint Models
 - ii. Harmonize Function Area Models with Service Models
 - iii. Harmonize Function Area Models with Federal Models
 - iv. Create Policies, procedures, and documentation regarding COIs
- h. Establish and Manage Data Management COIs
 - i. Build Data Management metadata within the Metadata Repository
 - (1) Create Information System Models
 - (2) Create Business Event and Calendar and Cycle Models
 - (3) Create Information System Models
 - (4) Create Information System Planning Models

