DATA ITEM DESCRIPTION

Title: DoD Architecture Framework Documentation

Number: DI- MGMT-81644A   **Approval Date:** 10 November 2008
AMSC Number: 9053   **Limitation:** N/A
DTIC Applicable: N/A   **GIDEP Applicable:** N/A
OPR: NS/TE
Applicable Forms: N/A

Use/Relationship: The DoD Architecture Framework Documentation will be used to provide architecture framework product documentation that describes characteristics pertinent to the purpose of the architecture.

a. This Data Item Description (DID) is applicable when it is necessary to acquire architecture descriptions to compare and relate across organizational boundaries.

b. This DID contains the format and content preparation instructions of the architecture framework products as delineated in the contract Statement of Work (SOW).

Requirements:

1. Reference Documents. The applicable issue of the documents cited herein, including their approval dates and dates of any applicable amendments, notices and revisions, shall be as specified in the contract SOW.

2. Content and Format. The Architecture Framework Product documentation shall be chosen per Table 1 (sheet 2 and 3) according to the specific needs as stated in the contract SOW. The content and format shall be per Volume I, Definitions and Guidelines, and Volume II, Product Descriptions, of the DoD Architecture Framework Version, current edition.

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Table 1

Select Applicable	Applicable View	Framework Product	Framework Product Name	General Description
	All Views	AV-1	Overview and Summary Information	Scope, purpose, intended users, environment depicted, analytical findings
	All Views	AV-2	Integrated Dictionary	Architecture data repository with definitions of all terms used in all products
	Operational	OV-1	High-Level Operational Concept Graphic	High-level graphical/textual description of operational concept
	Operational	OV-2	Operational Node Connectivity Description	Operational nodes, connectivity, and information exchange need lines between nodes
	Operational	OV-3	Operational Information Exchange Matrix	Information exchanged between nodes and the relevant attributes of that exchange
	Operational	OV-4	Organizational Relationships Chart	Organizational, role, or other relationships among organizations
	Operational	OV-5	Operational Activity Model	Capabilities, operational activities, relationships among activities, inputs, and outputs; overlays can show cost, performing nodes, or other pertinent information
	Operational	OV-6a	Operational Rules Model	One of three products used to describe operational activity— identifies business rules that constrain operation
	Operational	OV-6b	Operational State Transition Description	One of three products used to describe operational activity— identifies business process responses to events
	Operational	OV-6c	Operational Event-Trace Description	One of three products used to describe operational activity— traces actions in a scenario or sequence of events
	Operational	OV-7	Logical Data Model	Documentation of the system data requirements and structural business process rules of the Operational View
	Systems	SV-1	Systems Interface Description	Identification of systems nodes, systems, and system items and their interconnections, within and between nodes
	Systems	SV-2	Systems Communications Description	Systems nodes, systems, and system items, and their related communications lay-downs
	Systems	SV-3	Systems-Systems Matrix	Relationships among systems in a given architecture; can be designed to show relationships of interest, e.g., system-type interfaces, planned vs. existing interfaces, etc.
	Systems	SV-4	Systems Functionality Description	Functions performed by systems and the system data flows among system functions
	Systems	SV-4a	Systems Functionality Description	Documents system functional hierarchies and system functions, and the system data flows between them.
	Systems	SV-4b	Services Functionality Description	Documents service functionality that is exposed to the Net-Centric Environment, their respective grouping into service families, and their service specifications.
	Systems	SV-5	Operational Activity to Systems Function Traceability Matrix	Mapping of systems back to capabilities or of system functions back to operational activities
	Systems	SV-5a	Operational Activity to Systems Function Traceability Matrix	Depicts the mapping of operational activities to system functions and thus identifies the transformation of an operational need into a purposeful action performed by a system.
	Systems	SV-5b	Operational Activity to Systems Traceability Matrix	Extends the SV-5a and depicts the mapping of capabilities to operational activities, operational activities to system functions, system functions to systems, and thus relates the capabilities to the systems that support them.
	Systems	SV-5c	Operational Activity to Service Traceability Matrix	Depicts the traceability and mapping of services to operational activities to assist in understanding which services support operational activities.
	Systems	SV-6	Systems Data Exchange Matrix	Provides details of system data elements being exchanged between systems and the attributes of that exchange

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Table 1 Continued

Select Applicable	Applicable View	Framework Product	Framework Product Name	General Description
	Systems	SV-7	Systems Performance Parameters Matrix	Performance characteristics of Systems View elements for the appropriate time frame(s)
	Systems	SV-8	Systems Evolution Description	Planned incremental steps toward migrating a suite of systems to a more efficient suite, or toward evolving a current system to a future implementation
	Systems	SV-9	Systems Technology Forecast	Emerging technologies and software/hardware products that are expected to be available in a given set of time frames and that will affect future development of the architecture
	Systems	SV-10a	Systems Rules Model	One of three products used to describe system functionality— identifies constraints that are imposed on systems functionality due to some aspect of systems design or implementation
	Systems	SV-10b	Systems State Transition Description	One of three products used to describe system functionality— identifies responses of a system to events
	Systems	SV-10c	Systems Event-Trace Description	One of three products used to describe system functionality— identifies system-specific refinements of critical sequences of events described in the Operational View
	Systems	SV-11	Physical Schema	Physical implementation of the Logical Data Model entities, e.g., message formats, file structures, physical schema
	Technical	TV-1	Technical Standards Profile	Listing of standards that apply to Systems View elements in a given architecture
	Technical	TV-2	Technical Standards Forecast	Description of emerging standards and potential impact on current Systems View elements, within a set of time frames

3. END of DI-MGMT-81644A

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