A Vision for DoD Solution Architectures

Query BEA directly:
- Enterprise analytics
- Compliance
- IRB/portfolio management

User executes BP

BP executes via BEA directly

Business Enterprise Architecture: BEA

- Acq Domain Vocabulary
- Real Prop Domain Vocabulary
- Log Domain Vocabulary
- Fin Domain Vocabulary
- HR Domain Vocabulary

W3C Open Standards Legend:
- Data described in RDF
- Relationship described in OWL
- DoD Authoritative Data Source
MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
CHIEF OF STAFF OF THE MILITARY SERVICES
UNDERSECREARIES OF DEFENSE
COMMANDER, UNITED STATES TRANSPORTATION COMMAND
ASSISTANT SECRETARY OF DEFENSE FOR NETWORKS AND INFRASTRUCTURE (NS) CHIEF INFORMATION OFFICER
DIRECTOR, COST ASSESSMENT AND PROGRAM EVALUATION
DIRECTOR, ADMINISTRATION AND MANAGEMENT
DIRECTOR, NET ASSESSMENT
DIRECTORS OF THE DEFENSE AGENCIES
DIRECTORS OF THE DOD FIELD ACTIVITIES

SUBJECT: Use of End-to-End (E2E) Business Models and Ontology in DoD Business Architecture

The Defense Business System Management Committee (DBSMC) endorsed using and extending the E2E framework to evolve the BEA. DBSMC endorsed using and extending the E2E framework to evolve the BEA. DoD historically spends more than $60B annually developing and maintaining a portfolio of more than 2,000 business systems and Web services. Many of these systems, and the underlying processes they support, are poorly integrated. They offer deliver redundant capabilities that operate in a single business process with little consideration to the overall business enterprise. It is imperative, especially in today’s limited budget environment, to optimize our business processes and the systems that support them to reduce our annual business systems spending.

The DBSMC endorsed using and extending the E2E framework to evolve the Business Enterprise Architecture (BEA) within the context of the DoD Enterprise Architecture. This essential framework will be used by the DBSMC and the supporting Investment Review Board (IRB) to guide and construct business system investments and conduct business process reengineering determinations as required by statute.

This memorandum outlines a new approach to leverage the E2Es defined within the BEA and provides the illumination necessary to achieve the management and interoperability required by statute. The Assistant Deputy Chief Management Officer will issue additional guidance to ensure these approaches are clearly applied to these management efforts. Additional guidance will identify future “base bound” BEA development activities in consultation with the DoD Governance Council.

The BEA is the Enterprise’s Blueprint for defining the Department’s business environment. It captures required Enterprise capabilities, metrics aligned to the Department’s Strategic Management Plan; processes, data standards and rules to permit system and Web services to drive and organize BEA development, and provide essential information to support the Department’s mission. The framework is utilized as a guide for the development, implementation, and change of business process, as defined by the BEA 8.0 Release captured and defined the Department’s 15 E2E Business Lifecycle models.

The BEA 8.0 further provided a detailed level business process models for the Procure to Pay E2E to include information exchanges.

Clear and Unambiguous Guidance

- DBSMC endorsed using and extending the E2E framework to evolve the BEA
- BEA captures the following:
  - Enterprise capabilities
  - Performance metrics aligned to the DoD Strategic Management Plan (SMP)
  - Processes, data standards and rules for interoperability
- BEA will be a tool to drive portfolio management and Business Process Reengineering (BPR)
- BEA 8.0 Release captured and defined the Department’s 15 E2E Business Lifecycle models
- BEA 8.0 further provided a detailed level business process models for the Procure to Pay E2E to include information exchanges
End-to-End (E2E) Business Models in the DoD Business Architecture

• In order to facilitate integration of the systems and business architecture within the E2E lifecycle models, the BEA will be described in an ontology using a common language – {World-Wide Web Consortium (W3C) open standards Resource Description Framework (RDF)/Web Ontology Language (OWL) and modeling notation (Business Process Modeling Notation (BPMN) 2.0 Analytic Conformance Class (Primitives))}

• The E2E Framework shall be used to drive BEA content within the federated BEA ontology

• Future releases of the BEA will be synchronized with our highest priority system acquisition and modernization efforts related to critical activities within the Hire-to-Retire (H2R) and Procure-to-Pay (P2P) lifecycle models
Save the Dates: July 13-14, 2011
3rd Annual SOA & Semantic Technology Symposium

Interoperable Business Operations
Through Shared Understanding

More information to come. To be added to the mailing list please contact: Jessica.Zucal.ctr@bta.mil

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See You In July!