

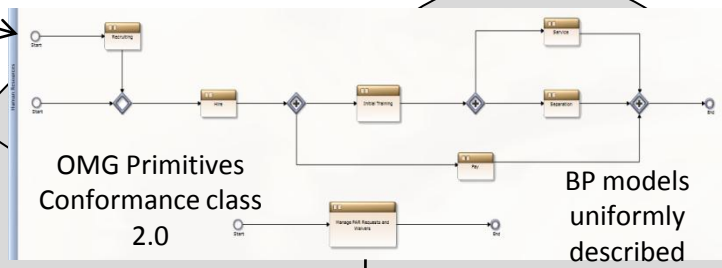


# A Vision for DoD Solution Architectures



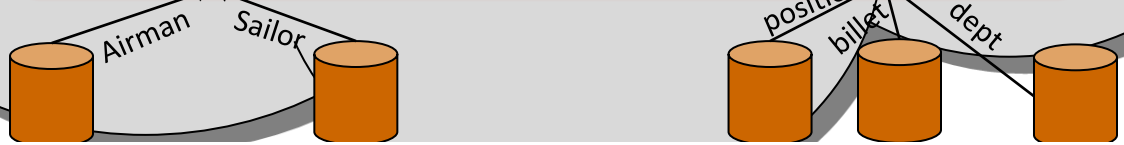
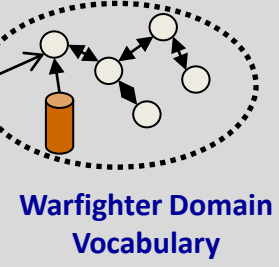
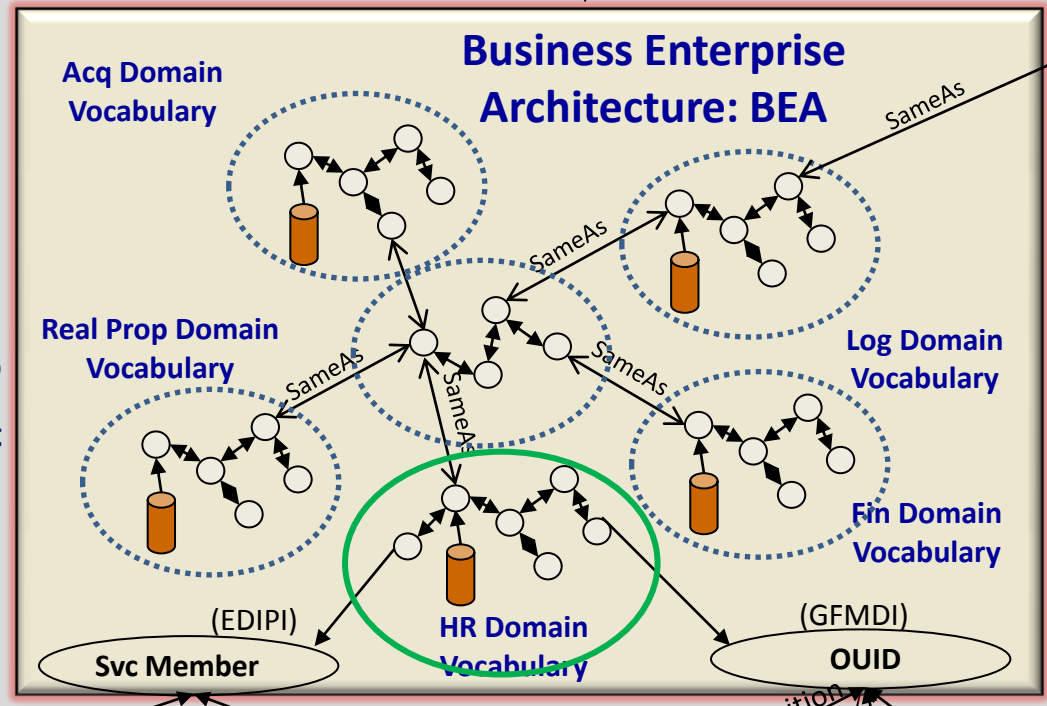
User executes BP

NCES



DoD EA

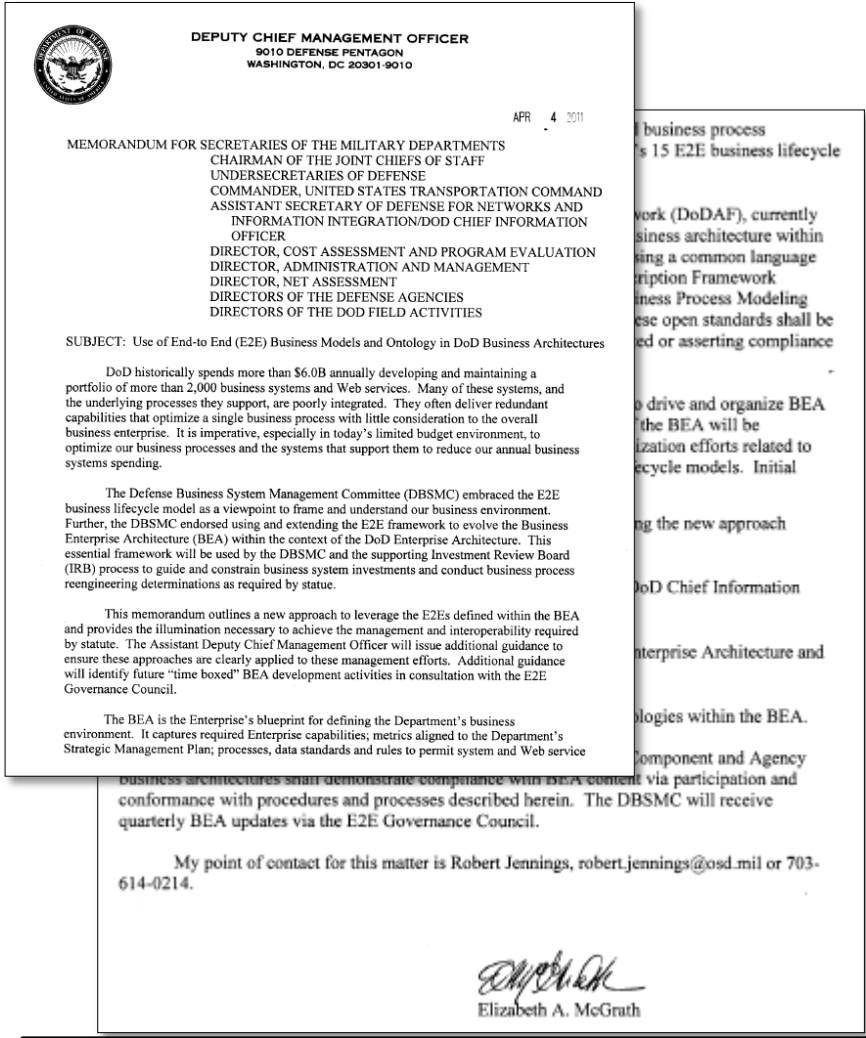
- Query BEA directly:
- Enterprise analytics
  - Compliance
  - IRB/portfolio management



W3C Open Standards Legend: ○ Data described in RDF ↔ Relationship described in OWL ○ DoD Authoritative Data Source



# End-to-End (E2E) Business Models in the DoD Business Architecture



**DCMO Memo signed 4 April 2011**  
**Subject: End-to-End (E2E) Business Models in the DoD Business Architecture**

- 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

**Clear and Unambiguous Guidance**



# End-to-End (E2E) Business Models in the DoD Business Architecture



DEPUTY CHIEF MANAGEMENT OFFICER  
9010 DEFENSE PENTAGON  
WASHINGTON, DC 20301-9010

APR 4 2011

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS  
CHAIRMAN OF THE JOINT CHIEFS OF STAFF  
UNDERSECRETARIES OF DEFENSE  
COMMANDER, UNITED STATES TRANSPORTATION COMMAND  
ASSISTANT SECRETARY OF DEFENSE FOR NETWORKS AND  
INFORMATION INTEGRATION/DOD 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 Architectures

DoD historically spends more than \$6.0B 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 often deliver redundant capabilities that optimize 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 Defense Business System Management Committee (DBSMC) embraced the E2E business lifecycle model as a viewpoint to frame and understand our business environment. Further, 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) process to guide and constrain 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 "time boxed" BEA development activities in consultation with the E2E 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 service

business architectures shall demonstrate compliance with BEA content via participation and conformance with procedures and processes described herein. The DBSMC will receive quarterly BEA updates via the E2E Governance Council.

My point of contact for this matter is Robert Jennings, robert.jennings@osd.mil or 703-614-0214.

Elizabeth A. McGrath

ss process  
E business lifecycle  
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common language  
Framework  
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standards shall be  
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and organize BEA  
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Architecture and  
within the BEA.  
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- 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

**DCMO Memo signed 4 April 2011**

**Subject: End-to-End (E2E) Business Models in the DoD Business Architecture**



U.S. Department of Defense  
Office of the Deputy Chief Management Officer  
Dennis Wisnosky, BMA Chief Architect and Chief Technical Officer



# Save the Dates: July 13-14, 2011

## 3<sup>rd</sup> Annual SOA & Semantic Technology Symposium



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

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Springfield, VA 22150

**See You In July!**