Appendix III: FSAM Mapping to DoDAF v1.5

Table 1: EASR/FSAM Artifact Alignment

FSAM Step	FSAM Output	DoDAF Equivalent
Step 1	Governance framework	DoDAF itself AV-1 Overview and Summary Information: Assumptions, Constraints, Approval Authority
Step 1	Segment architecture development purpose statement	AV-1: Purpose & Viewpoint
Step 1	Core team roster	Project Management - not architectural product AV-1: Architecture Project Identification (participating organizations)
Step 1	Core team formation memorandum	Project Management - not architectural product
Step 1	Core team charter	Project Management - not architectural product
Step 1	Project plan	Project Management - not architectural product AV-1: Architecture Identification, Purpose and Scope -- An initial version of the AV-1 may be produced to focus the effort and document planning information such as participating organizations, planned analyses, analytical participants, planned architecture-based decisions, allocation of planned decisions to participants, and essential and supporting product lists.
Step 1	Communications strategy	Project Management - not architectural product
Step 2	Stakeholders and their relationships	Closest DoDAF product is OV-4 Organizational Relationships Chart, although that focuses more on the organization performing the work, rather than the stakeholders who have a vested interest in the work. AV-1: Architect and Approving Authority; Purpose and Viewpoint
Step 2	Business drivers and mandates	AV-1: Assumptions and Constraints Controls on OV-5
Step 2	Segment scope	AV-1: Scope; Purpose and Viewpoint
Step 2	Segment context	AV-1: Context Current Operating Environment diagram = OV-1 High-Level Operational Concept Graphic
Step 2	Stakeholder needs	AV-1 / OV-1
Step 2	Risks and impacts	Project Management - not architectural product
Step 2	Performance gaps	Several products have individual performance information, but no product represents performance gaps for a segment as a whole. This information could be conveyed in the AV-1. The AV-1 is updated as the project proceeds to include providing a description of the findings and recommendations that have been developed based on the architecture effort. Findings may include such things as identifications of shortfalls, recommended systems implementation, and opportunities for technology insertion.
Step 2	Strategic improvement opportunities	AV-1: Purpose and Viewpoint, and Findings.
Step 2	Segment performance goals and objectives	No equivalent DoDAF product, although this kind of information may be conveyed in the AV-1.
Step 2	Common / mission services target maturity levels	No equivalent DoDAF product, although this kind of information may be conveyed in the AV-1.
Step 2	Segment architecture vision summary	AV-1: Purpose and Viewpoint; Context
Step 2	Performance scorecard	Several products have individual performance information, but no product represents performance information at the level which appears on the performance scorecard. This information could be conveyed in the AV-1.

FSAM Step	FSAM Output	DoDAF Equivalent
Step 3	As-is business value chain	No equivalent DoDAF product.
Step 3	As-is business function model	OV-5 Operational Activity Node Tree (Baseline) While not called out as a specific product, the node tree is part of the IDEF0 Activity Model.
Step 3	As-is key business process model	OV-5 Operational Activity Model (Baseline) While the DoDAF OV-5 is intended to be strictly inputs and outputs between business activities (no sequence or process conveyed), the FSAM artifact depicted is closest to the OV-5.
Step 3	As-is business process swim lane diagram	OV-6c Operational Event-Trace Description (Baseline). The OV-6c adds timing and sequence to the activities identified in the OV-5.
Step 3	As-is key information sources and qualitative assessment	The OV-3 (Operational Information Exchange Matrix) identifies the source of information exchanges, which is not necessarily the same as the source of information. (For instance, if information is being relayed on another party's behalf.) However, the OV-3 could be extended to include this information. Alternatively, this could be an extension to a baseline OV-7 Logical Data Model.
Step 3	Business and information architecture adjustment profiles	No equivalent DoDAF product.
Step 3	Target business value chain diagram	No equivalent DoDAF product.
Step 3	Target business function model	OV-5 Node Tree (Target)
Step 3	Target key business process model	OV-5 (Target)
Step 3	Target business process swim lane diagram	OV-6c (Target)
Step 3	Target conceptual data model	OV-7 (Target)
Step 3	Target data steward assignments	Potential extension to the OV-7.
Step 3	Target business data mapped to key business processes (CRUD)	Mapping between the target OV-7 and target OV-5. There does not appear to be an explicit relationship between the two products in the DoDAF, but one could be derived through the OV-3. Alternatively, this could be additional product, or an extension to either the OV-7 or the OV-5. (OV-5 is referenced here instead of OV-6c because the two products differ only through the presence of timing / sequencing data in the OV-6c.)
Step 3	Target information sharing matrix	OV-3 Operational Information Exchange Matrix
Step 3	Target Information Flow Diagram	OV-2 Operational Node Connectivity Description
Step 4	As-is system and services scoring	"Business Fit" - SV-5; System Performance - SV-7; System technology forecast - SV-9
Step 4	As-Is conceptual solution architecture	SV-1 Systems Interface Description (Baseline)
Step 4	Target conceptual solution architecture	SV-1 (Target)
Step 4	Target Service Component Architecture	SV-4b Services Functionality Description (Functional Decomposition).
Step 4	Target Technical Architecture	TV-1 Technical Standards Profile (Target)
Step 4	Integrated service component and technology model	No clear DoDAF equivalent. This product can be produced from a variety of Systems View DoDAF products (SV-4a / 4b, SV-1, TV-1, SV-6, etc).
Step 4	Transition recommendation profile	System-specific migration / transition can be represented through the SV-8 Systems Evolution Description / Services Evolution Description.
Step 4	Transition recommendation sequencing diagram	System-specific migration / transition can be represented through the SV-8 Systems Evolution Description / Services Evolution Description.
Step 4	Reuse Summary	No clear DoDAF equivalent.
Step 4	Data Reuse	SV-6 System Data Exchanges can support this analysis.

FSAM Step	FSAM Output	DoDAF Equivalent
Step 4	Recommendation Sequencing Milestones	System-specific migration / transition can be represented through the SV-8 Systems Evolution Description / Services Evolution Description.
Step 5	Analysis of cost, value and risk for transition options	No clear DoDAF equivalent.
Step 5	Proposed implementation recommendations	System-specific migration / transition can be represented through the SV-8 Systems Evolution Description / Services Evolution Description.
Step 5	Strategic systems migration / sequencing overview	SV-8 (high level)
Step 5	Recommendation implementation sequencing plan	SV-8 (detailed)
Step 5	Segment architecture blueprint document (incl. sequencing plan)	AV-1: Findings
Step 5	Segment Mappings	No equivalent DoDAF product.
Step 5	Transition Plan Milestones	System-specific migration / transition can be represented through the SV-8 Systems Evolution Description / Services Evolution Description.
Step 5	Document review log	Project Management - not architectural product
Step 5	Feedback tracking document and feedback action report	Project Management - not architectural product