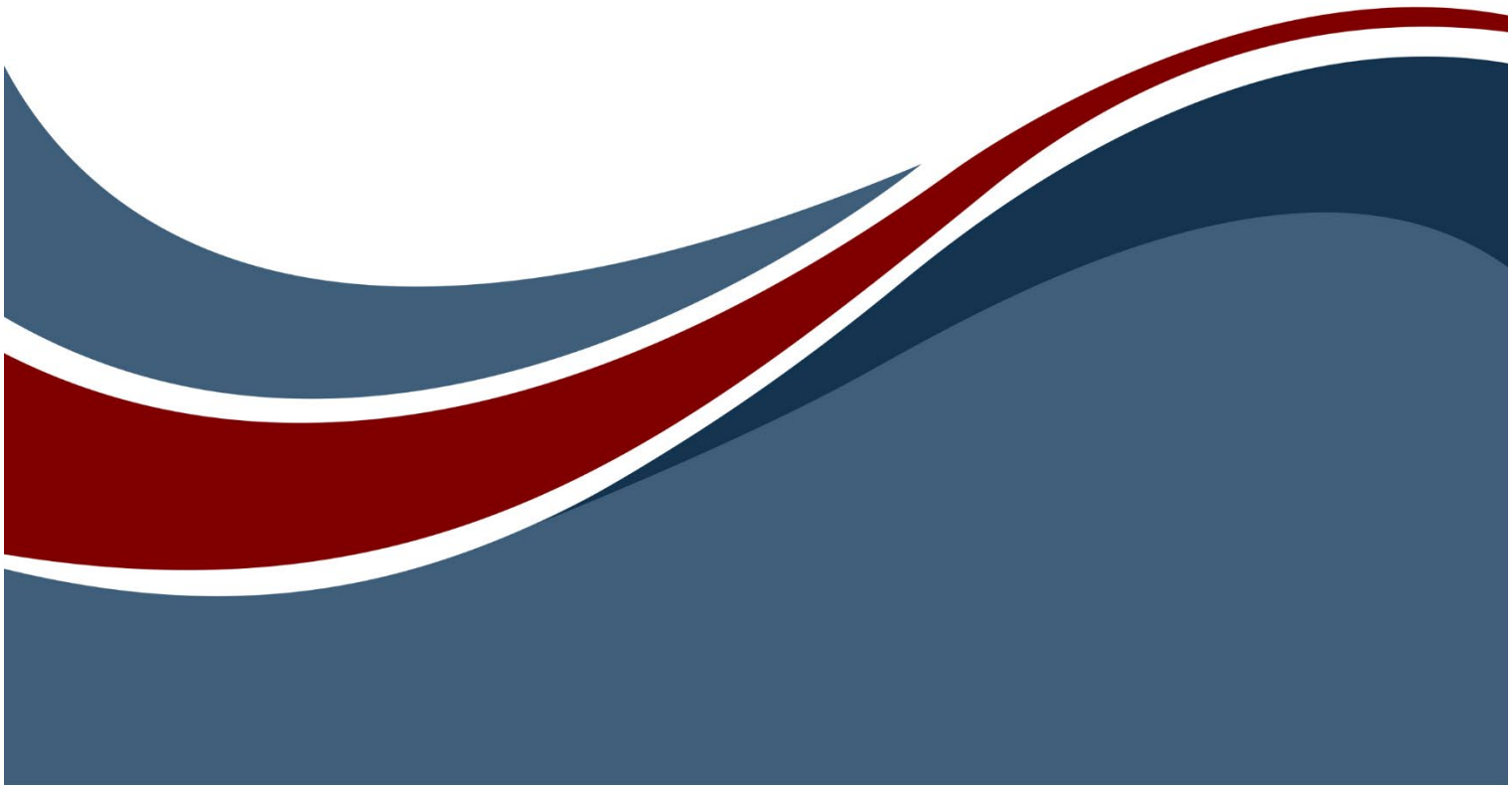
GENESYS™2026

DoDAF® v2.0 Viewpoint Definitions



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CUSTOMER RESOURCE OPTIONS

Supporting users throughout their entire journey of learning model-based systems engineering (MBSE) is central to Vitech's mission. For users looking for additional resources outside of this document, please refer to the links below. Alternatively, all links may be found at www.vitechcorp.com/online-resources/.

Webinars

Immense, on-demand library of webinar recordings, including systems engineering industry and tool-specific content.

Screencasts

Short videos to guide users through installation and usage of GENESYS.

A Primer for Model-Based Systems Engineering

Our free eBook and our most popular resource for new and experienced practitioners alike.

Help Files

Searchable online access to GENESYS help files.

Technical Papers

Library of technical and white papers for download, authored by Vitech systems engineers.

Technical Support

Frequently Asked Questions (FAQ), support-ticket web form, and information regarding email, phone, and chat support options.

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GENERAL

The following instructions identify the entities that appear in the various Department of Defense Architecture Framework (DoDAF®) 2.0 Viewpoints. It identifies the relationships used to select the appropriate entities contained in the viewpoint. It also identifies attributes that may appear in the viewpoint.

These reports require that the Project is created using the Capability Architecture Development schema.

In the model, an Architecture entity may contain an *augmented by* relation with a target class of Text or ExternalFile. If there is a target of the augmented by relation, the Architecture description will be followed by either the description attribute in the case of a Text or Table designation or by the specified graphic file specified by the External File Path. If multiple target entities are cited, their order is determined by the Position attribute on the *augmented by* relationships.

While not required, it is recommended that the user runs the “PUID Wizard” (located in the Utilities ribbon bar) to assign project unique IDs for entities in the project.

DEFINITION LAYOUT

For each DoDAF Viewpoint that follows in this document, the following table is used to describe the contents of the Viewpoint:

Viewpoint Title
DoDAF Description: (this section provides a brief description of the DoDAF Viewpoint)
Implementation (This section provides a pseudo-logical description of how the viewpoint is created, essentially the steps the underlying viewpoint report takes to develop the view when it is executed.)

ALL VIEWPOINTS

AV-1 Overview and Summary
DoDAF Description: The view describes a Project's Visions, Goals, Objectives, Plans, Activities, Events, Conditions, Measures, Effects (Outcomes), and produced objects.
Implementation Architecture Attributes Description with *augmented by* External Files Purpose Scope Time Frame Relationships Description of *achieves* Mission List of *documented by* Documents in the following order: Goals Guidance Standards Strategy *composed of* OperationalNodes providing the following diagrams and tables: Physical Hierarchy Diagram Physical Block Diagram Resource Flow Table Table providing number, name, description in following Class order: *specified by* Capability *composed of* Component *assigned to* Organization *composed of* Performer *specified by* Requirement

AV-2 Integrated Dictionary
DoDAF Description: This view presents an architectural data repository with definitions of all terms used throughout the architectural data and presentations.
Implementation Architecture Relationships Name, Acronym, Description of *uses* DefinedTerm

CAPABILITY VIEWPOINTS

CV-1 Vision

DoDAF Description: This view presents the overall vision for transformational endeavors, which provides a strategic context for the capabilities described and a high-level scope.

Implementation
Architecture
  Relationships
    Name, Description, Rationale, Benefit of *specified by* Capability

Uses Capability Vision Hierarchy

CV-2 Capability Taxonomy

DoDAF Description: This view presents a hierarchy of capabilities which specifies all the capabilities that are referenced throughout one or more Architectural Descriptions.

Implementation
Architecture
  Relationships
    Name, Description, Rationale, Benefit, Priority of *specified by* Capability
      Name, Description, Rationale, Benefit, Priority of *refined by* Capability

Uses Capability Hierarchy

CV-3 Capability Phasing

DoDAF Description: This view presents a hierarchy of capabilities which specifies all the capabilities that are referenced throughout one or more Architectural Descriptions.

Implementation
Architecture
  Relationships
    Name, Description, Objectives, TimeFrame of *specified by* Capability
      Name, Description, Objectives, TimeFrame of *refined by* Capability

Uses Capability Hierarchy

CV-4 Capability Dependencies

DoDAF Description: This view presents the dependencies between planned capabilities and the definition of logical groupings of capabilities.

Implementation
Architecture
  Relationships
    specified by Capability
      Name, Description *categorizes* Capability of *categorized by* Category
        Name, Description *categorizes* Capability of *includes* Category

Uses Capability Dependencies Hierarchy

CV-5 Capability to Organizational Development Mapping

DoDAF Description: This view presents the fulfillment of capability requirements and shows the planned capability deployment and interconnection for a particular Capability Phase. The CV-5 shows the planned solution for the phase in terms of performers and locations and their associated concepts.

Implementation

Architecture
  Relationships
    specified by Capability
      refined by Capability
        Name, Description, of *supplied by* ProgramElement
          Name of *assigned to* Organization

Uses Capability to Organization Hierarchy

CV-6 Capability to Operational Activities Mapping

DoDAF Description: This view presents a mapping between the capabilities required and the operational activities that those capabilities support.

Implementation

Architecture
  Relationships
    specified by Capability
      refined by Capability
        Name, Description of *basis of* OperationalActivity
          Name *allocated to* Performer

Uses Capability to Operational Activities Hierarchy

CV-7 Capability to Services Mapping

DoDAF Description: This view presents a mapping between the capabilities and the services that these capabilities enable.

Implementation

Architecture
  Relationships
      Name, Description of *specified by* Capability
        Name, Description of *refined by* Capability
          basis of OperationalActivity
            allocated to Performer[1]
              Name, Description of *joins* Performer

1 Performer (Type = 'Service Functional Provider')

DATA AND INFORMATION VIEWPOINTS

DIV-1 Conceptual Data Model

DoDAF Description: This view presents the high-level data concepts and their relationships.

Implementation

Architecture
  Relationships
    composed of Component, Performer
      built from Component, Performer
        performs Function, OperationalActivity
          inputs, *outputs* Item, OperationalItem
            Name
            specified by Requirement
              Name, Description

DIV-2 Logical Data Model

DoDAF Description: This view presents the documentation of the data requirements and structural business process (activity) rules. In DoDAF V1.5, this was the OV-7.

Implementation

Architecture
  Relationships
    composed of Performer
      built from Performer
        performs OperationalActivity
          inputs, *outputs* OperationalItem
              Name, Description, Type, Size, size Units, Priority, Accuracy, Timeliness of *transfers* OperationalItem
            decomposed by OperationtalItem
              Decomposes Name
        connected to Needline
          transfers OperationalItem
              Name, Description, Type, Size, size Units, Priority, Accuracy, Timeliness of *transfers* OperationalItem

DIV-3 Physical Data Model

DoDAF Description: This view presents the physical implementation format of the Logical Data Model entities, e.g., message formats, file structures, physical schema. In DoDAF V1.5, this was the SV-11.

Implementation

Architecture
  Relationships
    composed of Component (type = Family of Systems / Systems Architecture / System of Systems)
      built from Component (type = System / Service)
        connected to Link
          transfers Item
              Name, Description, Type, Size, Size Units, Priority, Accuracy, Timeliness, Format Type, Media

OPERATIONAL VIEWPOINTS

OV-1 High Level Operational

DoDAF Description: This view presents the high-level graphical/textual description of operational concept.
(NOTE: A high-level graphic, normally an artistic power point chart or jpg file is used to provide a high-level operational context for an architecture. This graphic diagram should be provided in an external file that is related to the architecture with the *"augmented by"* relationship.)

Implementation
Architecture
  Description of Architecture
  augmented by ExternalFile
  Relationships
    composed of Performer (type = OperationalArchitecture)
      built from Performer (type = Organization / Human / Service Consumer / Service Functionality Provider / Unanticipated User)

Uses Physical Hierarchy for *composed of* Performer

OV-2 Operational Resource Flow Description

DoDAF Description: This view presents a description of the resource flows exchanged between operational activities.

Implementation
Architecture
  Relationships
    composed of Performer (type = OperationalArchitecture)
      built from Performer (type = Organization / Human, Service Consumer / Service Functionality Provider / Unanticipated User)
        Name, Description of *connected to* Needline
          Name of *transfers* OperationalItem
          Name of *connects to* Performer

Uses Physical Block Diagram

OV-3 Operational Resource Flow Matrix

DoDAF Description: This view presents a description of the resources exchanged and the relevant attributes of the exchanges.

Implementation
Architecture
  Relationships
    composed of Performer (type = OperationalArchitecture)
      built from Performer (type = Organization / Human / Service Consumer / Service Functionality Provider / Unanticipated User)
        Name of *connected to* Needline
          Name, Description, Accuracy, Timeliness of *transfers* OperationalItem
          Name *connects*[1] *to* Performer

Note 1: *connects to* Direction attribute determines Source/Destination

OV-4 Organizational Relationships Chart

DoDAF Description: This view presents the organizational context, role, or other relationships among organizations.

Implementation

Architecture
  Relationships
    Name, Description, Role, Location of *assigned to* Organization
      Name *coordinates with* Organization

Uses Organization Hierarchy

OV-5a Operational Activity Decomposition Tree

DoDAF Description: This view presents the capabilities and activities (operational activities) organized in a hierarchal structure.

Implementation

Architecture
  Relationships
    Name of *specified by* Capability
      Name, Description of *specified by* Capability
        Name, Description of *refined by* Capability
          Name of *basis of* OperationalActivity
            Name of *performed by* Performer

Uses Function Hierarchy

OV-5b Operational Activity Model

DoDAF Description: This view presents the context of capabilities and activities (operational activities) and their relationships among activities, inputs, and outputs.

Implementation

Architecture
  Relationships
    Name, Description of *specified by* Capability
      Name, Description of *refined by* Capability
        Name of *basis of* OperationalActivity
          Name of *inputs/outputs* OperationalItem
            Name of *input to/output from* OperationalActivity
              Name of *based on* Capability

Uses Enhanced FFBD

OV-6a Operational Rules Model
DoDAF Description: One of three viewpoints used to describe activity (operational activity). It identifies business rules that constrain operations.
Implementation Architecture Relationships *composed of Performer* (type = OperationalArchitecture) *built from* Performer (type = Organization / Human / Service Consumer / Service Functionality Provider / Unanticipated User) Name of *performs* OperationalActivity Name of *decomposed by* OperationalActivity Name, Description of *documented by* Document (type = Guidance) Name, Description of *documented by* Document (type = Standard)

OV-6b State Transition Description
DoDAF Description: This view presents one of three viewpoints used to describe activity (operational activity). It identifies business rules that constrain operations
Implementation Architecture Relationships *composed of Performer* (type = OperationalArchitecture) *built from* Performer (type = Organization / Human / Service Consumer / Service Functionality Provider / Unanticipated User) Name, Description of *exhibits* State ExternalFilePath of *augmented by* ExternalFile

OV-6c Event-Trace Description
DoDAF Description: This view presents one of three viewpoints used to describe activity (operational activity). It traces actions in a scenario or sequence of events.
Implementation Architecture Relationships *composed of* Performer (type = OperationalArchitecture) *built from* Performer (type = Organization / Human / Service Consumer / Service Functionality Provider / Unanticipated User) Name, Description of *performs* OperationalActivity Name of *inputs/outputs* OperationalItem

PROJECT VIEWPOINTS

PV-1 Project Portfolio Relationships

DoDAF Description: This view describes the dependency relationships between the organizations and projects and the organizational structures needed to manage a portfolio of projects.

Implementation
Architecture
  Relationships
    implemented by ProgramElement
      Name, Description of *includes* ProgramElement
        Name Location of *assigned to* Organization

Uses Work Breakdown Structure Hierarchy

PV-2 Project Timelines

DoDAF Description: The view presents a timeline perspective on programs or projects, with the key milestones and interdependencies.

Implementation
Architecture
  Relationships
    Name, Contract Number of *implemented by* ProgramElement
      augmented by ExternalFile
      Name, Description, Type Start Date, End Date of *includes* ProgramElement

PV-3 Project to Capability Mapping

DoDAF Description: The view presents a mapping of programs and projects to capabilities to show how the specific projects and program elements help to achieve a capability.

Implementation
Architecture
  Relationships
    implemented by ProgramElement
      Name, Description of *includes* ProgramElement
        Name, Description of *supplies* Capability

Uses Project Portfolio Hierarchy

STANDARDS VIEWPOINTS

StdV-1-2 Standards Profile
DoDAF Description: This view presents the listing of standards that apply to solution entities along with the description of emerging standards and potential impact on current solution entities, within a set of time frames.
Implementation Architecture Relationships Name of *composed of* Component Name of *built from* Component Name of *connected to* Link Name of *performs* Function Name of *inputs/outputs of* Item Name of Documents of type Standard *specified by* Component, Link, Function, and Items Name, Description, Entities Affected, Standard Type Name, Govt Category/Non-Govt Category of *documented by* Document

SYSTEMS VIEWPOINTS

SV-1 Systems Interface Description

DoDAF Description: This view identifies systems, system items, and their interconnections.

Implementation

Architecture
  Relationships
    Name, Description, of *composed of* Component (type = Family of Systems/ Systems Architecture/ System of Systems)
      Name, Description, *augmented by* ExternalFile, *implements* Performer of *built from* Component (type = System)
        Name, Description *connected to* Link
          Name, *Type* of *transfers* Item
          Name of *connects to* Component

Uses Physical Block Diagram

SV-2 Systems Resource Flow Description

DoDAF Description: The view identifies the resource flows exchanged between systems.

Implementation

Architecture
  Relationships
    Name, Description, of *composed of* Component (type = Family of Systems/Systems Architecture/System of Systems)
      Name, Description, *augmented by* ExternalFile, *implements* Performer of *built from* Component (type = System)
      Name, Description *connected to* Link
        Name, *Type* of *transfers* Item

Uses Physical Block Diagram

SV-3 System-System Matrix

DoDAF Description: The view identifies the relationships among systems.

Implementation

Architecture
  Relationships
    Name, Description, of *composed of* Component (type = Family of Systems/ Systems Architecture/ System of Systems)
      Name, Description of *built from* Component (type = System)
        Name, Description *connected to* Link
          Name, Description, Type of *connects to* Component (type = System, External System, Human, Facility)

SV-4 Systems Functionality Description

The **DoDAF Description:** The view identifies the functions (activities) performed by systems and the system data flows among system functions (activities).

Implementation
Architecture
Relationships
Name, Description, of *composed of* Component (type = System)
Name, Description of *performs* Function (behaviorType = Integrated (Root))
Name of *inputs/outputs* Item
Name of *input to/output from* Source/Destination Function

Uses EFFBD

SV-5a Operational Activity to System Functions Traceability Matrix

DoDAF Description: The view identifies the mapping of system functions (activities) back to operational activities (activities).

Implementation
Architecture
Relationships
Name, Description, of *composed of* Component (type = System)
Name, Description of *built from* Component (type = System)
Name, Description of *performs Function*
Name of *implements* OperationalActivity
Name of *performed by* Performer
Name of *based on* by Performer

SV-5b Operational Activity to System Traceability Matrix

DoDAF Description: This view identifies the mapping of systems back to capabilities or operational activities.

Implementation
Architecture
Relationships
Name, Description, of *composed of* Component (type = Family of Systems/ Systems Architecture/ System of Systems)
Name, Description of *built from* Component (type = System)
Name, Description of *performs* Function (behaviorType = Integrated (Root))
Name of *implements* OperationalActivity
Name of *performed by* Performer
Name of *based on* Capability

SV-6 Systems Resource Flow Matrix

DoDAF Description: This view provides details of system resource flow entities being exchanged between systems and the attributes of that exchange.

Implementation

Part 1

Architecture
  Relationships
    composed of Component (type = System)
      built from Component (type = System)
        Name of *connected to* Link
          Name, Description, Accuracy, Timeliness, Size, Size Units, of *transfers* Item
          Name of *connects*[1] *to* Performer

Part 2

Relationships
  specified by Requirement
    Description
    Name, Description, Media of associated Item from Part I
    Type, Key Performance Parameter of associated Item from Part 1
    Name of *categorized by* Category
    Security Level or Name, Classification Category, Dissemination Control of *classified by* Classification

Note 1: *connects to* Direction attribute determines Source/Destination

SV-6 Systems Resource Flow Summary Matrix

DoDAF Description: This summary view provides details of system resource flow entities being exchanged between systems and the attributes of that exchange.

Implementation

Architecture
  Relationships
    composed of Performer (type = Component)
      built from Performer (type = Service)
        Name of *connected to* Link
          Name, Description, Accuracy, Timeliness of *transfers* Item
          Name *connects*[1] *to* Component (Source)
          Name *connects*[1] *to* Component (Destination)

Note 1: *connects to* Direction attribute determines Source/Destination

SV-7 Systems Measures Matrix

DoDAF Description: This view provides the measures (metrics) of systems entities for the appropriate timeframe(s)[1].

Implementation

Architecture
  Relationships
    Name, Description, of *composed of* Component (type = Family of Systems/ Systems Architecture/ System of Systems)
      Name, Description of *built from* Component (type = System)
        Name of *performs* Function (behaviorType = Integrated (Root))
          Key Performance Parameter of *specified by* Requirement (type = Performance)
          Name, Description of *specified by* Requirement (type = Performance)
        Name of *connected to* Link
          Key Performance Parameter of *specified by* Requirement (type = Performance)
          Name, Description of *specified by* Requirement (type = Performance)

Note 1: Objective should have three (3) values representing Short-Term, Mid-Term, and Long-Term values.

SV-8 Systems Evolution Description

DoDAF Description: This view identifies the planned incremental steps towards migrating a suite of systems to a more efficient suite, or toward evolving a current system to a future implementation.

Implementation

Architecture
  Relationships
    Name, Description, of *composed of* Component (type = Family of Systems/Systems Architecture/ System of Systems)
      Name, Description of *built from* Component (type = System)

The View
      ExternalFilePath of *augmented by* ExternalFile

SV-9 Systems Technology Forecast

DoDAF Description: This view identifies the emerging technologies, software/hardware products, and skills that are expected to be available in a given set of time frames and that will affect future system development.

Implementation

Architecture
  Relationships
    Name, Description, of *composed of* Component (type = Family of Systems/ Systems Architecture/ System of Systems)
      Name, Description of *built from* Component (type = System)

The View
      ExternalFilePath of *augmented by* ExternalFile

SV-10a Systems Rules Model

DoDAF Description: This view is one of three viewpoints used to describe system functionality. It identifies constraints that are imposed on systems functionality due to some aspect of system design or implementation.

Implementation
Architecture
Relationships
Name, Description, of *composed of* Component (type = Family of Systems/ Systems Architecture/ System of Systems)
Name, Description of *built from* Component (type = System)
Name of *performs* Function (behaviorType = Integrated (Root)
Name, Description of *based on/ specified by* Requirement[2]
Name, Description of *allocated to* Component
Name, Description of *inputs, outputs* Item
Name, Description of *transferred by* Link
Name, Description of *incorporated by* State

Note 2: *documented by* Document (type = Guidance or type = Standard)

SV-10b Systems State Transition Description

DoDAF Description: This view is one of three viewpoints used to describe system functionality. It identifies responses of systems to events.

Implementation
Architecture
Relationships
Name, Description, of *composed of* Component (type = Family of Systems/ Systems Architecture/ System of Systems)
Name, Description of *built from* Component (type = System)
Name, Description, *augmented by* ExternalFile of *exhibits* State
Name, Description, *augmented by* ExternalFile of *decomposed by* State

SV-10c Systems Event-Trace Description

DoDAF Description: This view is one of three viewpoints used to describe system functionality. It identifies system-specific refinements of critical sequences of events described in the Operational Viewpoint.

Implementation
Architecture
Relationships
Name, Description, of *composed of* Component (type = Family of Systems/ Systems Architecture/ System of Systems)
Name, Description of *built from* Component (type = System)
Name, Description of *performs* Function
Name *inputs/outputs* Item

SERVICES VIEWPOINTS

SvcV-1 Services Interface Description

DoDAF Description: This view identifies services, service items, and their interconnections.

Implementation

Architecture
  Relationships
    Name, Description, of *composed of* Component (type = Family of Systems/ System Architecture/ System of Systems)
      Name, Description, *augmented by* ExternalFile, *implements* Performer *built from* Component (type = Service)
        Name, Description *connected to* Link
          Name, *Type* of *transfers* Item
          Name of *connects to* Component

Uses Physical Block Diagram

SvcV-2 Services Resource Flow Description

DoDAF Description: The view identifies the resource flows exchanged between Services.

Implementation

Architecture
  Relationships
    Name, Description, of *composed of* Component (type = Family of Systems/ System Architecture/ System of Systems)
      Name, Description, *augmented by* ExternalFile, *implements* Performer of *built from* Component (type = Service)
      Name, Description *connected to* Link
        Name, *Type* of *transfers* Item

Uses Physical Block Diagram

SvcV-3a Systems-Services Matrix

DoDAF Description: The view identifies the relationships among or between systems and services.

Implementation

Architecture
  Relationships
    Name, Description, of *composed of* Component (type = Family of Systems/ System Architecture/ System of Systems)
      Name, Description of *built from* Component (type = Service)
        Name, Description *connected to* Link
          Name, Description, Type of *connects to* Component (type = System, External Service, Human, Facility)

SvcV-3b Service-Service Matrix
DoDAF Description: The view identifies the relationships among services.
Implementation Architecture Relationships Name, Description, of *composed of* Component (type = Family of Systems/ System Architecture/ System of Systems) Name, Description of *built from* Component (type = Service) Name, Description *connected to* Link Name, Description, Type of *connects to* Component (type = Service)

SvcV-4 Services Functionality Description
The **DoDAF Description:** This view identifies the functions (activities) performed by services and the service data flows among service functions (activities).
Implementation Architecture Relationships Name, Description, of *composed of* Component (type = Family of Systems/ System Architecture/ System of Systems) Name, Description of *built from* Component (type = Service) Name, Description of *performs* Function (behaviorType = Integrated (Services)) Name of *inputs/outputs* Item Name of *input to/output from* Function

SvcV-5 Operational Activity to Service Traceability Matrix
DoDAF Description: This view identifies the mapping of services back to capabilities or operational activities.
Implementation Architecture Relationships Name, Description, of *composed of* Component (type = Family of Systems/ System Architecture/ System of Systems) Name, Description of *built from* Component (type = Service) Name, Description of *performs* Function (behaviorType = Integrated (Services)) Name of *implements* OperationalActivity Name of *performed by* Performer Name of *based on* Capability

SvcV-6 Services Resource Flow Matrix

DoDAF Description: This view provides details of service resource flow entities being exchanged between services and the attributes of that exchange.

Implementation Full Matrix
Part 1
Architecture
  Relationships
    composed of Component (type = Service)
      built from Component (type = Service)
        Name of *connected to* Link
          Name, Description, Range, Units, Accuracy, Precision, Priority, Media, Timeliness, Size, Size Units, Fields of *transfers* Item
      implements Needline
  Name of *connects*[1] *to* Component (Source)
  Name of *connects*[1] *to* Component (Destination)

Part 2
Relationships
 specified by Requirement
   Description
Item from Part I
Type, Key Performance Parameter
  Availability, Confidentiality, Integrity
  Classification, Classification Caveat, Dissemination Control

Implementation Summary Matrix
Architecture
  Relationships
    composed of Performer (type = Component)
      built from Performer (type = Service)
        Name of *connected to* Link
          Name, Description, Accuracy, Timeliness of *transfers* Item
          Name *connects*[1] *to* Component (Source)
          Name *connects*[1] *to* Component (Destination)

1 *connects to* Direction attribute determines Source/Destination

SvcV-7 Services Measures Matrix

DoDAF Description: This view provides the measures (metrics) of service entities for the appropriate timeframe(s).

Implementation

Architecture
  Relationships
    Name, Description, of *composed of* Component (type = Family of Systems / System Architecture / System of Systems)
      Name, Description of *built from* Component (type = Service)
        Name, Description of *performs* Function (behaviorType = Integrated (Root))
          Key Performance Parameter of *specified by* Requirement (type = Performance)
          Name, Description of *specified by* Requirement (type = Performance)
        Name, Description of *connected to* Link
          Key Performance Parameter of *specified by* Requirement (type = Performance)
          Name, Description of *specified by* Requirement (type = Performance)

1 Objective should have three (3) values representing Short-Term, Mid-Term, and Long-Term values.

SvcV-8 Services Evolution Description

DoDAF Description: This view identifies the planned incremental steps towards migrating a suite of services to a more efficient suite, or toward evolving a current service to a future implementation.

Implementation

Architecture
  Relationships
    Name, Description, of *composed of* Component (type = Family of Systems/ System Architecture/ System of Systems)
      Name, Description of *built from* Component (type = Service)

The View
      ExternalFilePath of *augmented by* ExternalFile

SvcV-9 Services Technology Forecast

DoDAF Description: This view identifies the emerging technologies, software/hardware products, and skills that are expected to be available in a given set of time frames and that will affect future service development.

Implementation

Architecture
  Relationships
    Name, Description, of *composed of* Component (type = Family of Systems/ System Architecture/ System of Systems)
      Name, Description of *built from* Component (type = Service)

The View
      ExternalFilePath of *augmented by* ExternalFile

SvcV-10a Services Rules Model

DoDAF Description: This view is one of three viewpoints used to describe service functionality. It identifies constraints that are imposed on services functionality due to some aspect of service design or implementation.

Implementation
Architecture
  Relationships
    Name, Description, of *composed of* Component (type = Family of Systems/Systems Architecture/System of Systems)
      Name, Description of *built from* Component (type = Service)
        Name of *performs* Function (behaviorType = Integrated (Services))
          Name, Description of *based on / specified by* Requirement[1]
          Name, Description of *allocated to* Component
          Name, Description of *inputs, outputs* Item
            Name, Description of *transferred by* Link
          Name, Description of *incorporated by to* State, Mode

Note 1: *documented by* Document (type = Guidance or type = Standard)

SvcV-10b Services State Transition Description

This view is one of three viewpoints used to describe service functionality. It identifies responses of services to events.

Implementation
Architecture
  Relationships
    composed of Component (type = Family of Systems/System Architecture/ System of Systems)
      built from Component (type = Service)
        Name, Description, *augmented by* ExternalFile of *exhibits* State
        Name, Description, *augmented by* ExternalFile of *includes* State

SvcV-10c Services Event-Trace Description

This view is one of three viewpoints used to describe service functionality. It identifies service-specific refinements of critical sequences of events described in the Operational Viewpoint.

Implementation
Architecture
  Relationships
    composed of Component (type = Family of Systems/System Architecture/ System of Systems)
      built from Component (type = Service)
        Name, Description of *performs* Function (behaviorType = Integrated (Services))
          Name *inputs/outputs* Item

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