GENESYS 6.0

Where insight begins

DoDAF v2.0 Viewpoint Definitions

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Publication Date: May 2018

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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/resources.

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

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Our team has also created resources libraries customized for your experience level:

All Resources	Advanced
Beginner	IT / Sys Admin
Intermediate	Student

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GENERAL

The following instructions identify the entities that appear in the various 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 v60 schema.

The file '…GENESYS 6 Collaborative Edition/Extensions/DoDAF 2.0 Viewpoint Template.gnsx' must be imported into the current project. This file contains hierarchy definitions that are necessary for the reports to output the expected diagrams.

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 Project 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 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*, *triggered by* 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*, *triggered by* 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/triggered by* OperationalItem
            Name of *input to/output from/triggers* 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/triggered by/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 *joined to* Interface
        Name of *connected to* Link
        Name of *performs* Function
          Name of inputs/triggered by/outputs *of Item*
           Name of Documents of type Standard *specified by* Component, Interface, 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 *joined to* Interface
            Name, Description *comprised of* Link
              Name, *Type* of *transfers* Item
            Name of *joins to* Component
 	
Uses Interface 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 Interface 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 *joined to* Interface
              Name, Description, Type of *joins 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 *performs (type = #integrated (Root))* Function
        Name of *inputs/outputs/triggered by* Item
          Name of *input to/output from/triggers* 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 *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 *performs (type = #integrated (Root))* Function
        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
 	
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)
 	
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 (type = #Integrated (Root))* Function
            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)

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[1]* Function
            Name, Description of *based on/ specified by* Requirement[2]
            Name, Description of *connected to* Component
            Name, Description of *joins to* Interface
            Name, Description of *connected to* Item
            Name, Description of *connected to* Link
            Name, Description of *connected to* State

1 *performs* Behavior Type: = Integrated (Root)
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/triggered by/outputs* Item

DoDAF 2.0 Viewpoint Definitions

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 of *built from* Component (type = Service)
            Name, Description *joined to* Interface
              Name, Description *comprised of* Link
                Name, *Type* of *transfers* Item
              Name of *joins to* Component
 	
Uses Interface 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 Interface 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 *joined to* Interface
            Name, Description, Type of *joins 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 *joined to* Interface
           Name, Description, Type of *joins 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 *performs (type = #integrated (Services))* Function
           Name of *inputs/outputs/triggered by* Item
             Name of *input to/output from/triggers* 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 *performs (type = #integrated (RServices))* Function
          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

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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 *performs (type = #integrated (Root))* Function
              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*[1] Function
            Name, Description of *based on / specified by* Requirement[2]
            Name, Description of *connected to* Component
            Name, Description of *joins to* Interface
            Name, Description of *inputs, outputs, triggered by* Item
            Name, Description of *connected to* Link
            Name, Description of *exhibited by to* State, Mode
 	
1 *performs* Behavior Type: = Integrated (Services)
2 *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*[1] Function
          Name *inputs/triggered by/outputs* Item
 	
1 *performs* behaviorType = Integrated (Services)