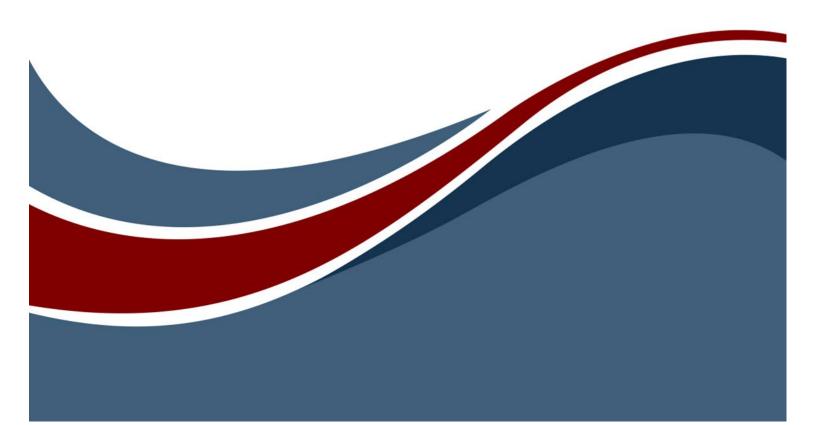


DoDAF v2.0 Viewpoint Definitions



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Zuken Vitech Inc. 2270 Kraft Drive, Suite 1600 Blacksburg, Virginia 24060 +1 540 951 3322 | Fax: +1 540 951 8222

www.vitechcorp.com

Customer Support: +1 540 951 3999 | support@vitechcorp.com



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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 <u>www.vitechcorp.com/online-resources/</u>.



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.



<u>Help Files</u>

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.

The file "... GENESYS 2024/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 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 <i>augmented by</i> External Files
Purpose
Scope
Time Frame
Relationships
Description of <i>achieves</i> Mission
List of <i>documented by</i> 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* Performer¹ 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
<i>built from</i> Performer
performs OperationalActivity
<i>inputs</i> , <i>outputs</i> 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 <i>connected to</i> Needline
Name of <i>transfers</i> OperationalItem
Name of <i>connects to</i> 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 Operational Activity

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
<i>implemented by</i> ProgramElement
Name, Description of <i>includes</i> 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 <i>composed of</i> Component
Name of <i>built from</i> Component
Name of <i>connected to</i> Link
Name of <i>performs</i> Function Name of <i>inputs/outputs of</i> Item
Name of Documents of type Standard <i>specified by</i> Component, Link,
Function, and Items
Name, Description, Entities Affected, Standard Type Name, Govt Category/Non-Govt Category of <i>documented by</i> 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, <i>Type</i> of <i>transfers</i> 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 <i>composed of</i> 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 <i>connected to</i> Link
Name, <i>Type</i> of <i>transfers</i> 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 <i>composed of</i> Component (type = System)
Name, Description of <i>performs</i> Function (behaviorType = Integrated (Root))
Name of <i>inputs/outputs</i> 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 <i>built from</i> Component (type = System)
Name, Description of <i>performs</i> Function (behaviorType = Integrated (Root))
Name of <i>implements</i> OperationalActivity
Name of <i>performed by</i> Performer
Name of <i>based on</i> 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
<i>composed of</i> Component (type = System)
<i>built from</i> Component (type = System)
Name of connected to Link
Name, Description, Accuracy, Timeliness, Size, Size Units, of <i>transfers</i> Item
Name of <i>connects¹ to</i> 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 <i>categorized by</i> Category
Security Level or Name, Classification Category, Dissemination Control of <i>classified by</i>
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)

built from Performer (type = Service) Name of connected to Link Name, Description, Accuracy, Timeliness of transfers Item Name connects¹ to Component (Source) Name connects¹ 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 Requirement²

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-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 <i>connected to</i> Link
Name, <i>Type</i> of <i>transfers</i> 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
DDAF Description: This view identifies the mapping of services back to capabilities or operational
tivities.
plementation
chitecture
Relationships
Name, Description, of composed of Component (type = Family of Systems/ System Architecture/
vstem of Systems)
Name, Description of <i>built from</i> Component (type = Service)
Name, Description of <i>performs</i> Function (behaviorType = Integrated (Services))
Name of <i>implements</i> OperationalActivity
Name of <i>performed by</i> Performer
Name of <i>based on</i> 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
<i>composed of</i> Component (type = Service)
<i>built from</i> Component (type = Service)
Name of <i>connected to</i> Link
Name, Description, Range, Units, Accuracy, Precision, Priority, Media, Timeliness, Size, Size
Units, Fields of <i>transfers</i> Item
<i>implements</i> Needline
Name of <i>connects¹ to</i> Component (Source)
Name of <i>connects¹ to</i> 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)
<i>built from</i> Performer (type = Service)
Name of <i>connected to</i> Link
Name, Description, Accuracy, Timeliness of transfers Item
Name <i>connects¹ to</i> Component (Source)
Name <i>connects¹ to</i> 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 Requirement¹ Name, Description of allocated to Component Name, Description of inputs, outputs Item Name, Description of incorporated 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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2270 Kraft Drive, Suite 1600 Blacksburg, Virginia 24060 +1 540 951 3322 | Fax: +1 540 951 8222 <u>www.vitechcorp.com</u>

Customer Support: +1 540 951 3999 | <u>support@vitechcorp.com</u>