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UML[®] Profile for BIZBOK[®] “Modeling for Everyone”

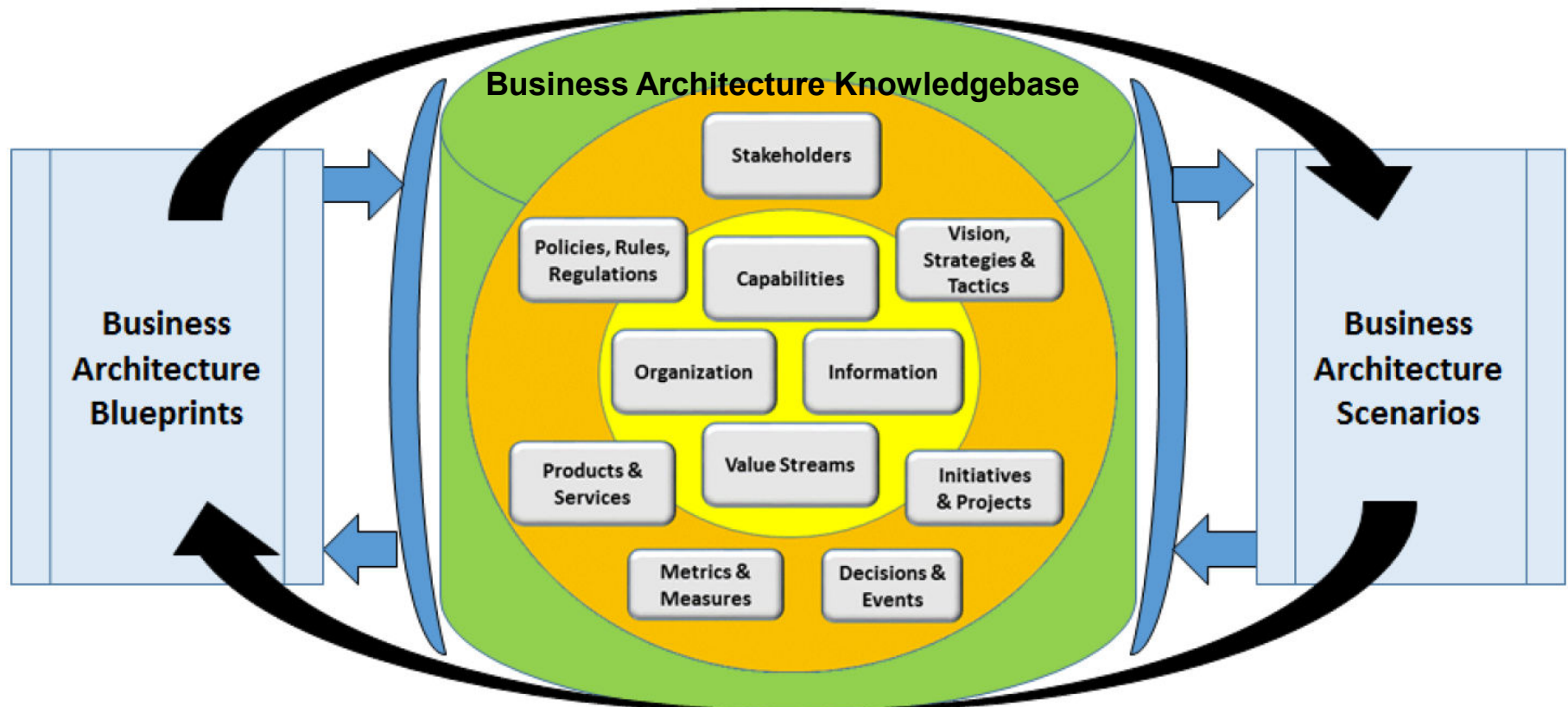
Global IASA eSummit
24 May 2017

Armstrong Process Group, Inc.
www.aprocessgroup.com

About APG

- APG's mission is to
 - “Align information technology and systems engineering capabilities with business strategy using proven, practical processes delivering world-class results.”
- Industry thought leader in enterprise architecture, business modeling, process improvement, systems and software engineering, requirements management, and agile methods
- Member and contributor to
 - UML, SysML[®], SPEM, UPDM[™]/UAF, BMM at OMG[®]
 - TOGAF, ArchiMate[®], IT4IT[™] at The Open Group
 - UML Profile and Metamodel teams at Business Architecture Guild
- Business partners with Sparx, HP, and IBM
- Open Group Accredited Training Provider, Guild Accredited Training Partner[™], IIBA[®] Endorsed Education Provider (EEP[™])

BIZBOK Business Architecture Framework



- Blueprints provide views into knowledgebase, based on stakeholder concerns
- Scenarios contextualize expected outcomes of business architecture work
 - Also inform initial selections of key stakeholders and likely concerns

Value Proposition




- Uplift professionalism of practitioners
 - Transition from office productivity tools to formal modeling solutions
- Increase adoption of BIZBOK-based modeling
 - Diminish requirement of end-users to create one-off custom solutions
- Provide foundation for end-user metamodel customization
 - Enable end-users to add custom properties and additional types of elements, relationships, and diagrams
- Allow integration of Business Architecture models with other models
 - Enterprise architecture (TOGAF, ArchiMate, UPDM/UAF)
 - Business process (BPMN)
 - Systems engineering (SysML)
 - Solution delivery (UML)

What Are We Building?

- UML Profile
 - Define base metatypes, metadata, and metarelationship
 - Make “open-source” to allow for end-user customization
 - Would allow end-user to create own MDG Add-In based on Profile or MDG Tech
- MDG Technology
 - Includes UML profile
 - New diagram types with specific toolboxes
 - Scripts, report templates, other stuff
 - Could also be open-sourced
- MDG Add-In
 - Create .NET assembly using C# or VB.NET
 - Add new windows/views that do special things
 - Catch EA GUI events and respond accordingly

Official Guild Team Site

COLLABORATION TEAMS: UML PROFILE FOR BIZBOK® GUIDE

 Group Pages  Directory & Features  Options

 Group Admin Options  Change Homepage Layout

 Resource Manager

News

- MDG Technology v1.0 Beta released!
- MDG Technology features
- Next meeting @ 22 Nov 2016
- View group calendar

Web Published Models

Last published 4 Nov 2016.



- Metamodel
- MDG Technology

Content

- Meeting minutes
- Model content
- UML Profile
- MDG Technology
- Guidance

Team Tools

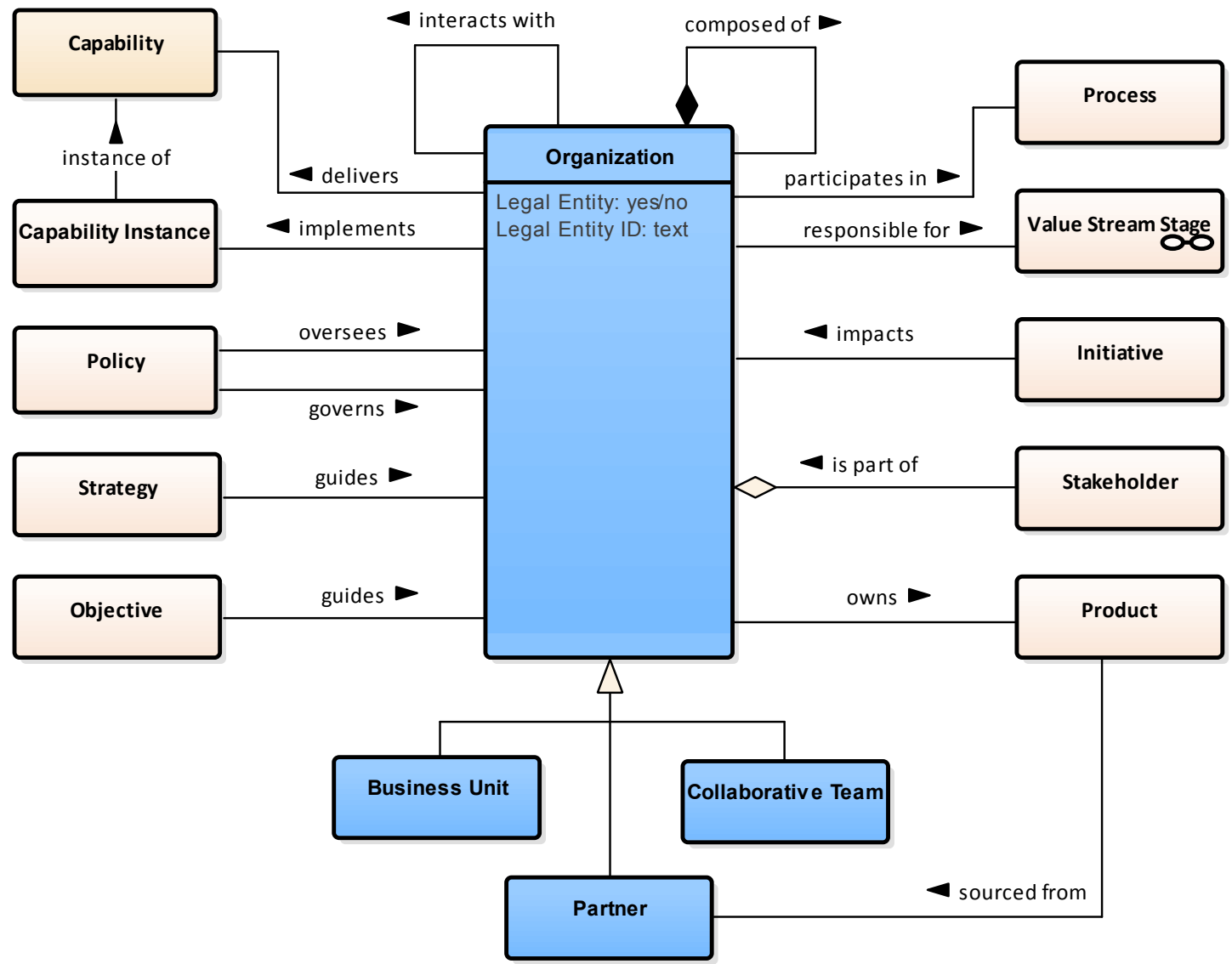
- Connect to EA cloud repository to view model
- Login into Hosted Redmine to view issues

 Group Directory
 Calendar
 Blogs
 Forums
 Photo Gallery

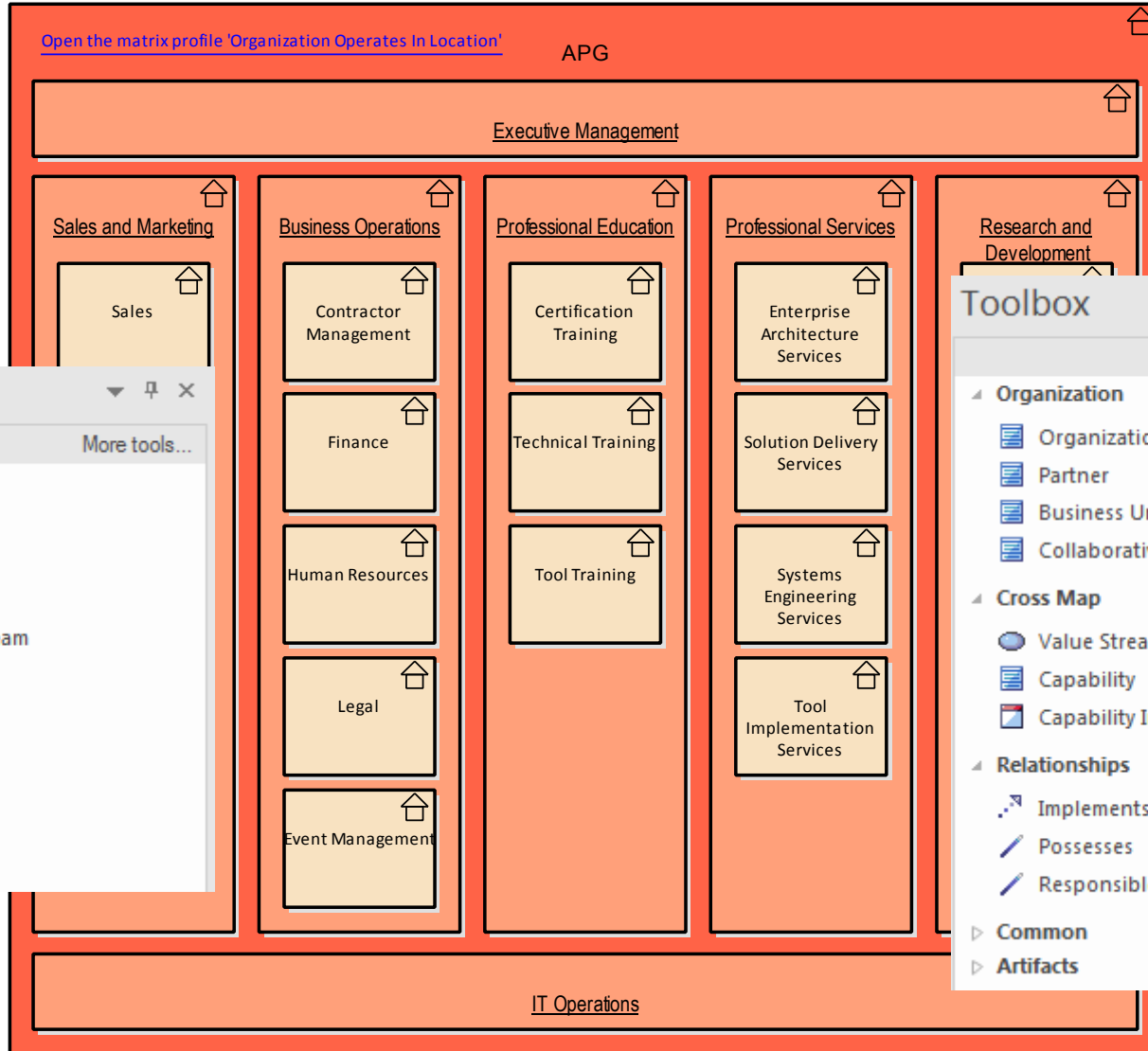
Team Members

- APG
- AIMCo
- FedEx
- Guild Metamodel
- OMG BAMB RFP

Organization – Metamodel



Organization – Examples



Toolbox

More tools...

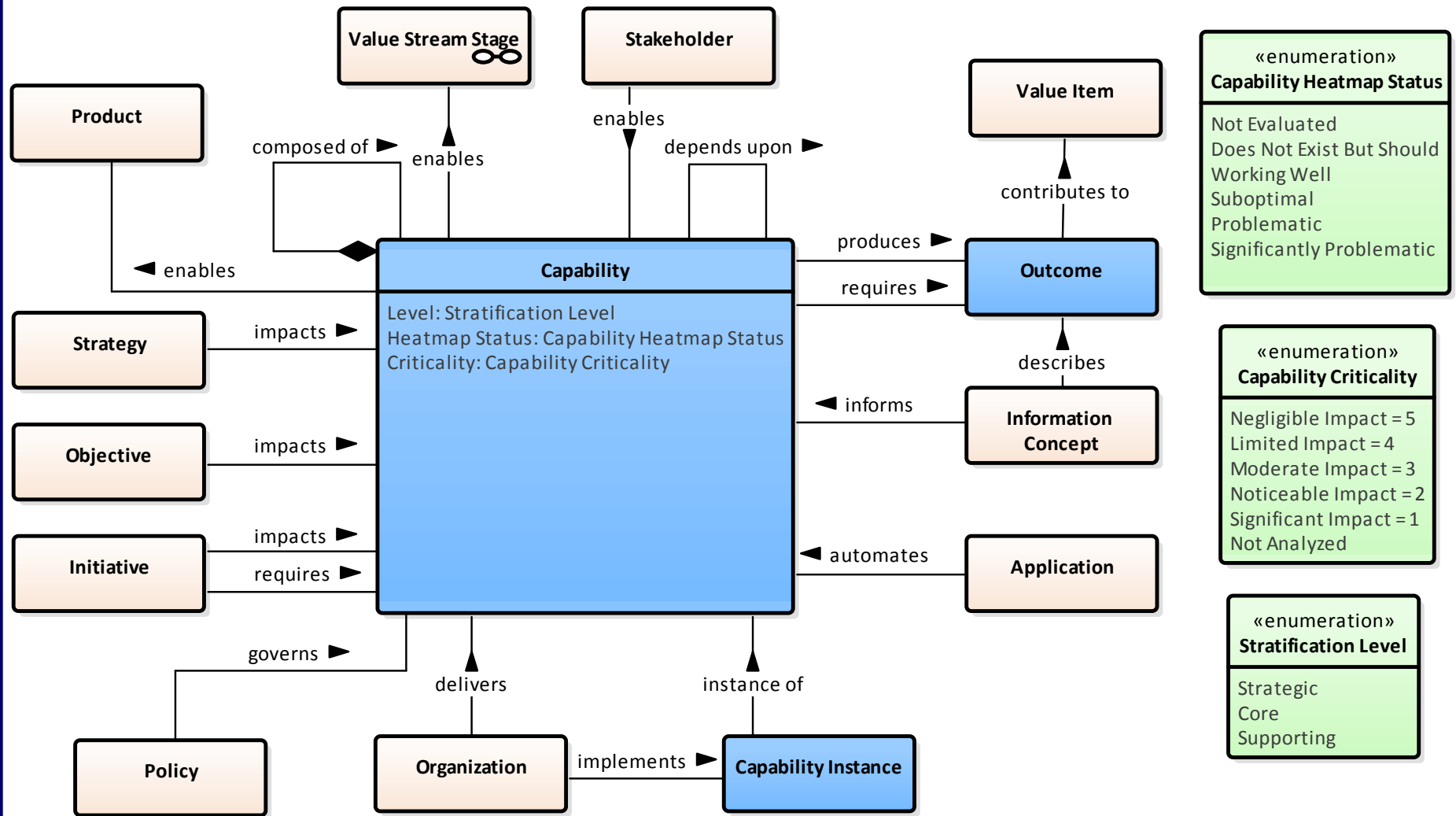
- Elements
 - Partner
 - Organization
 - Business Unit
 - Collaborative Team
- Relationships
 - Composed Of
 - Interacts With
- Common
- Artifacts

Toolbox

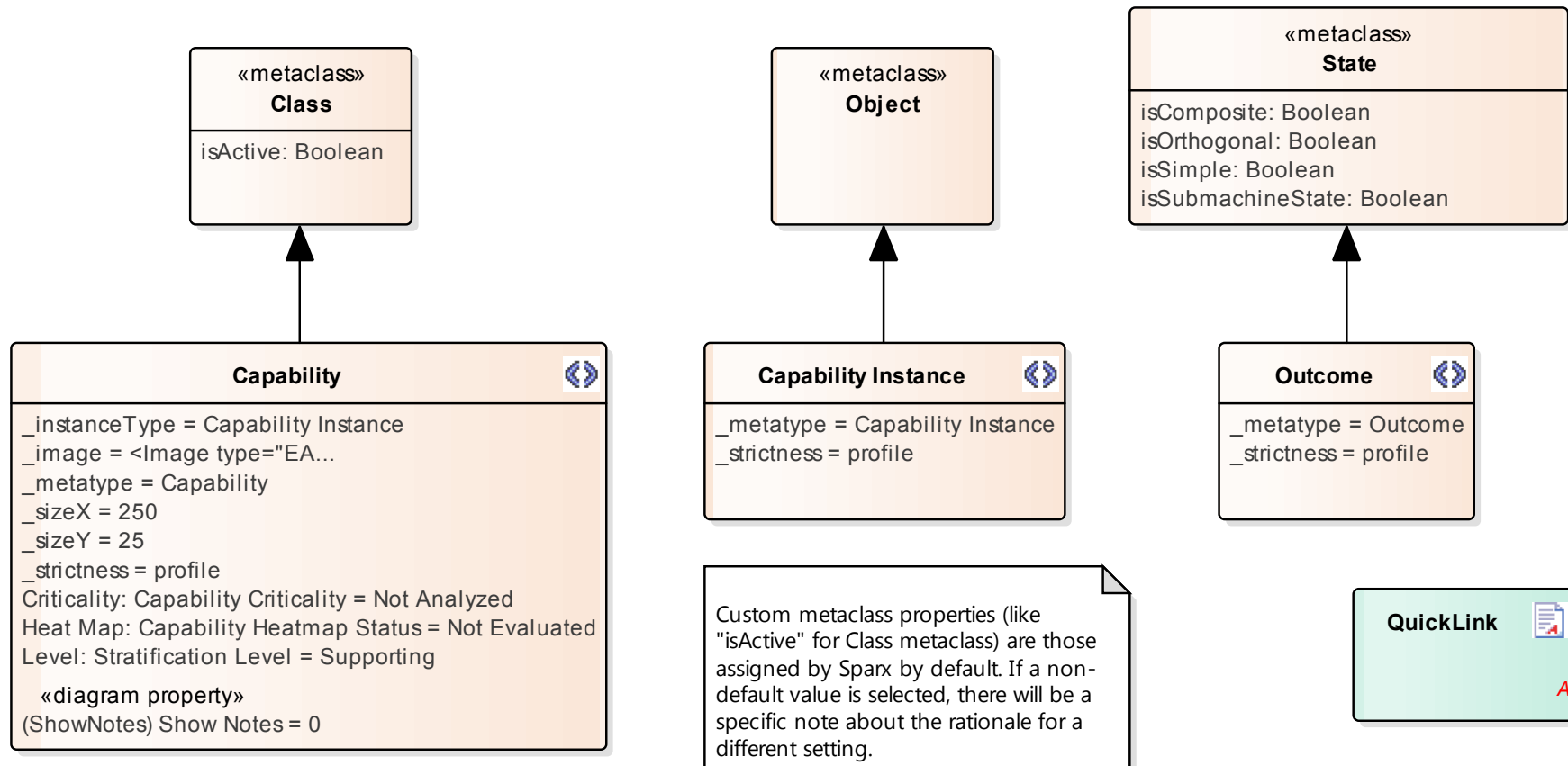
More tools...

- Organization
 - Organization
 - Partner
 - Business Unit
 - Collaborative Team
- Cross Map
 - Value Stream Stage
 - Capability
 - Capability Instance
- Relationships
 - Implements
 - Possesses
 - Responsible For
- Common
- Artifacts

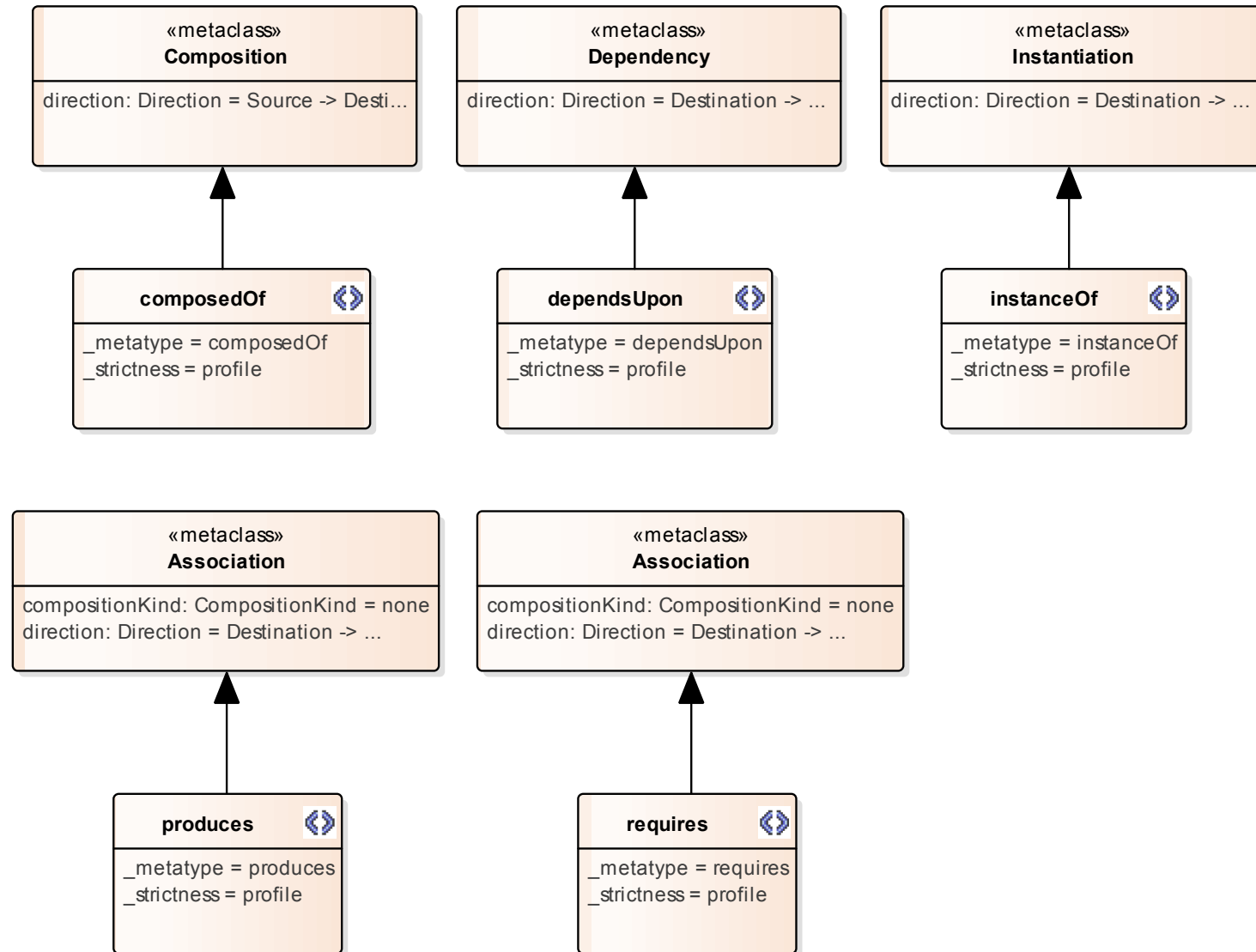
Capability – Metamodel



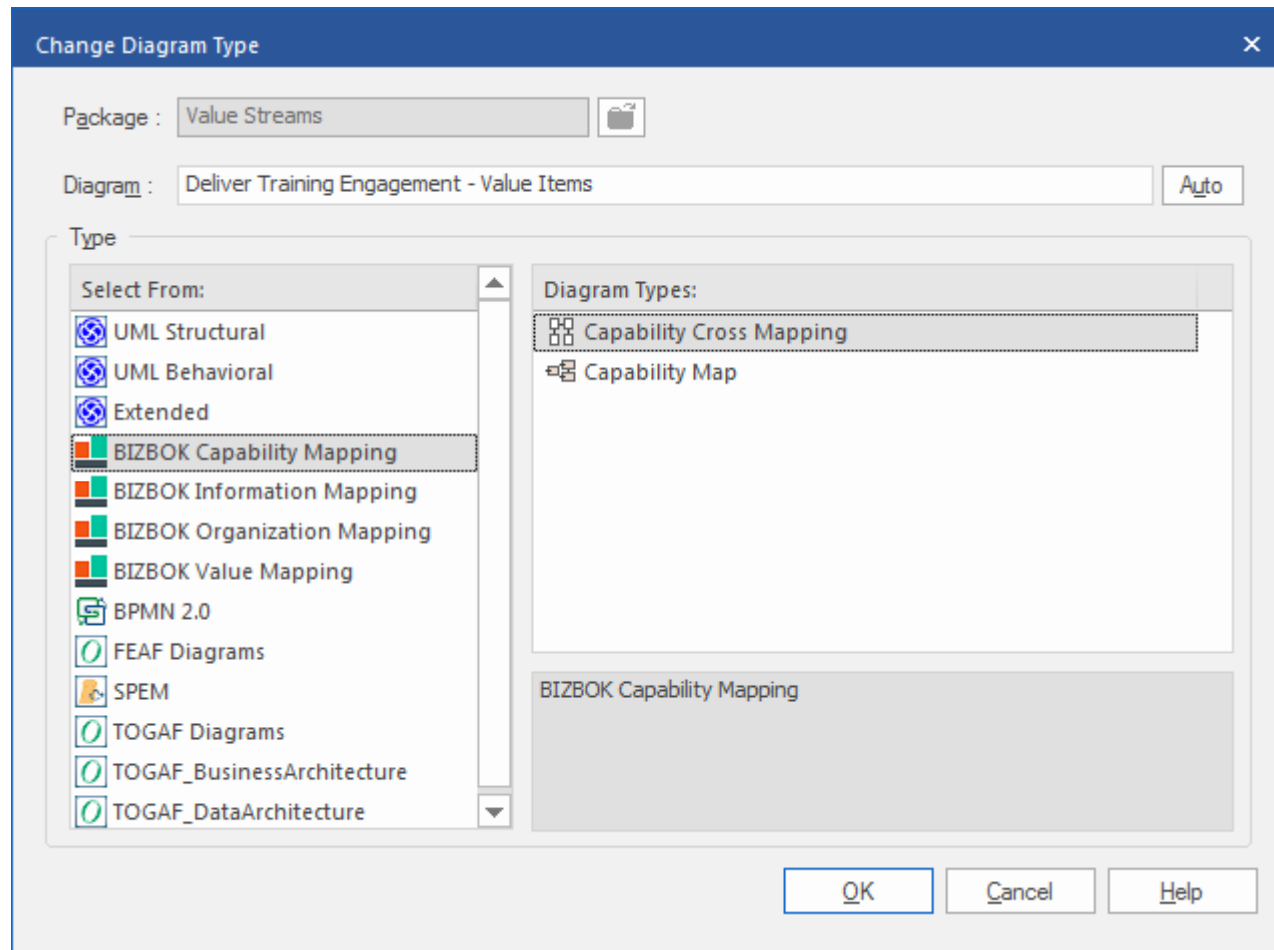
UML Profile – Capability Elements



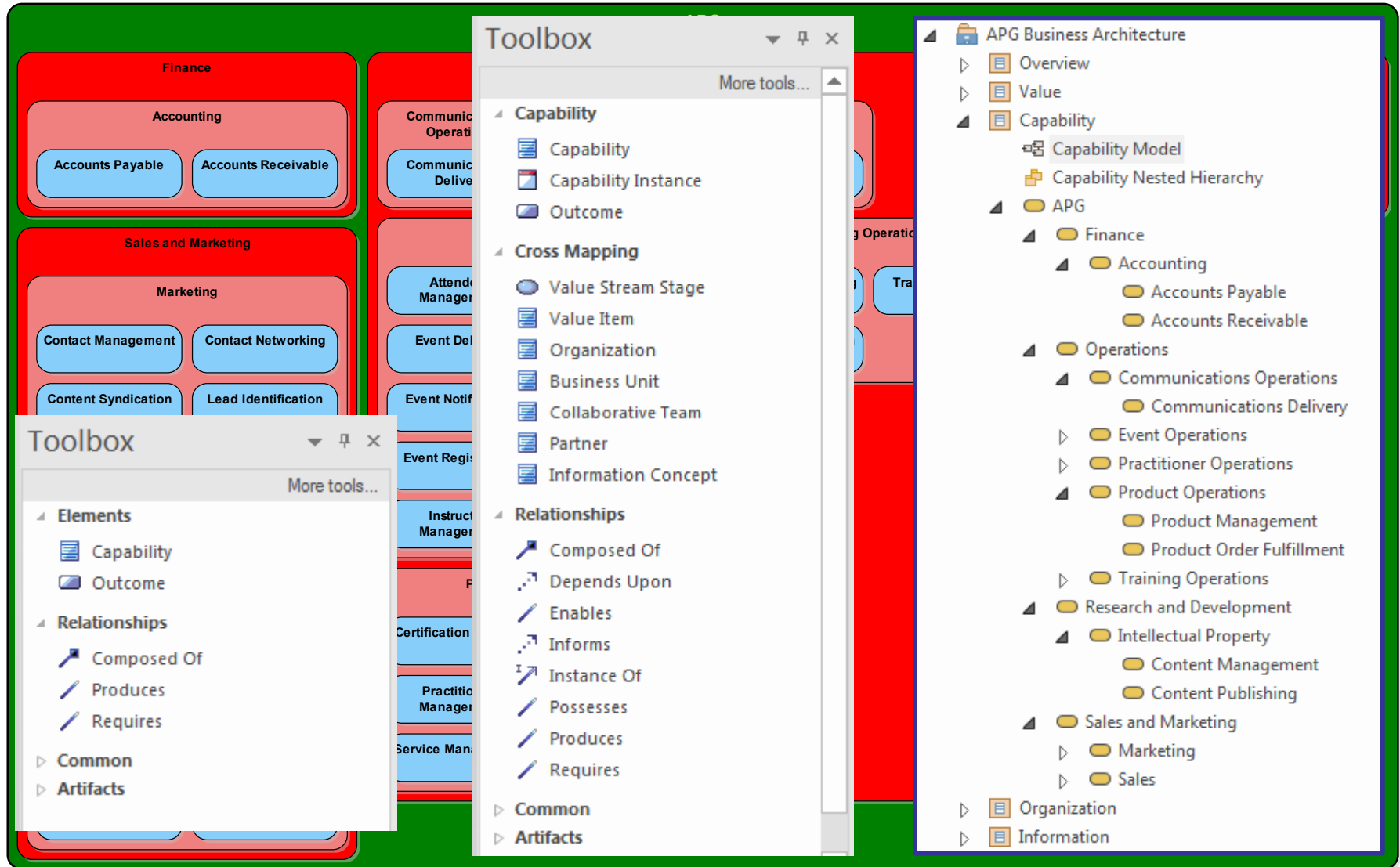
UML Profile – Capability Relationships



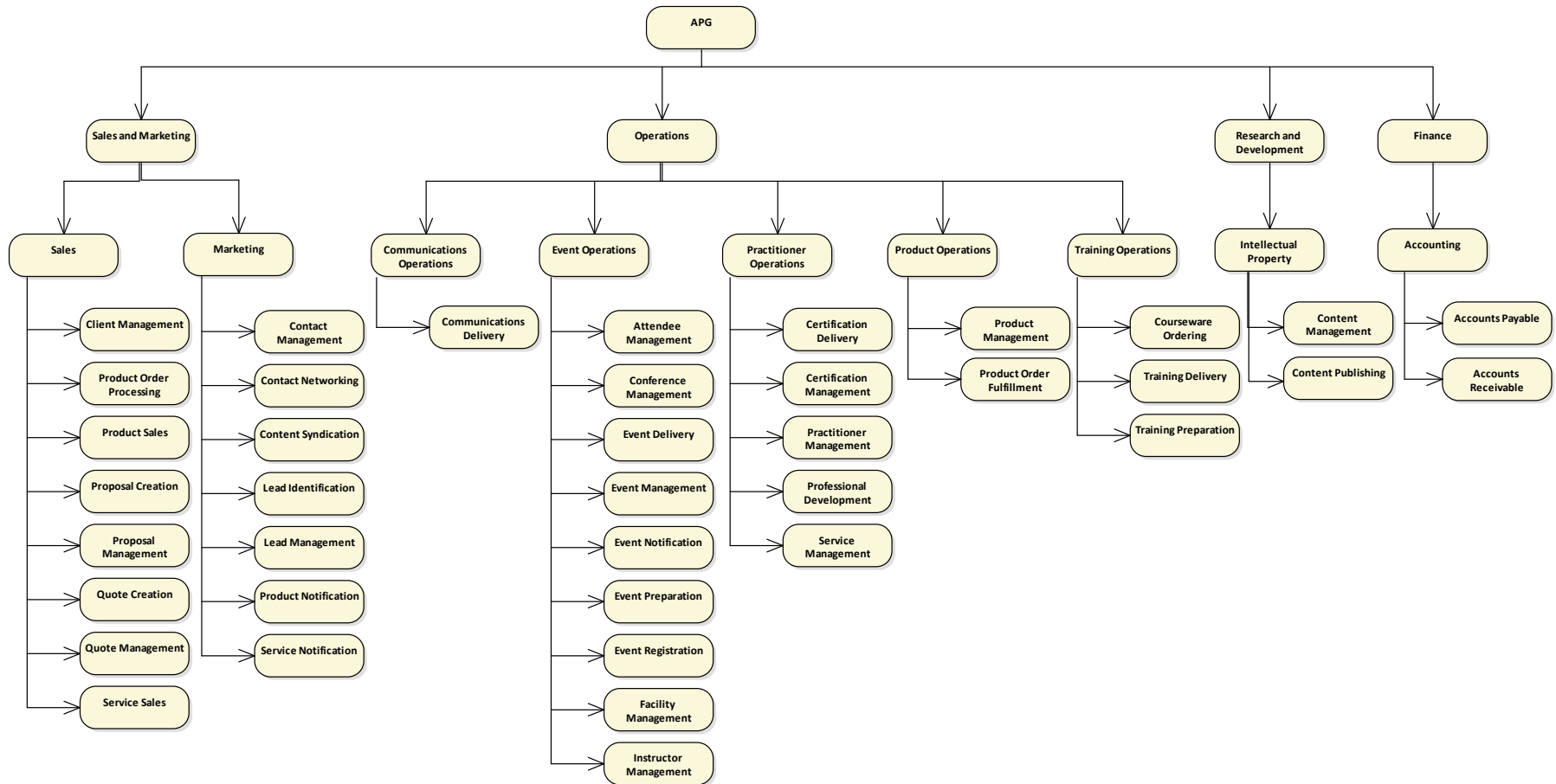
Capability Mapping – Diagram Types



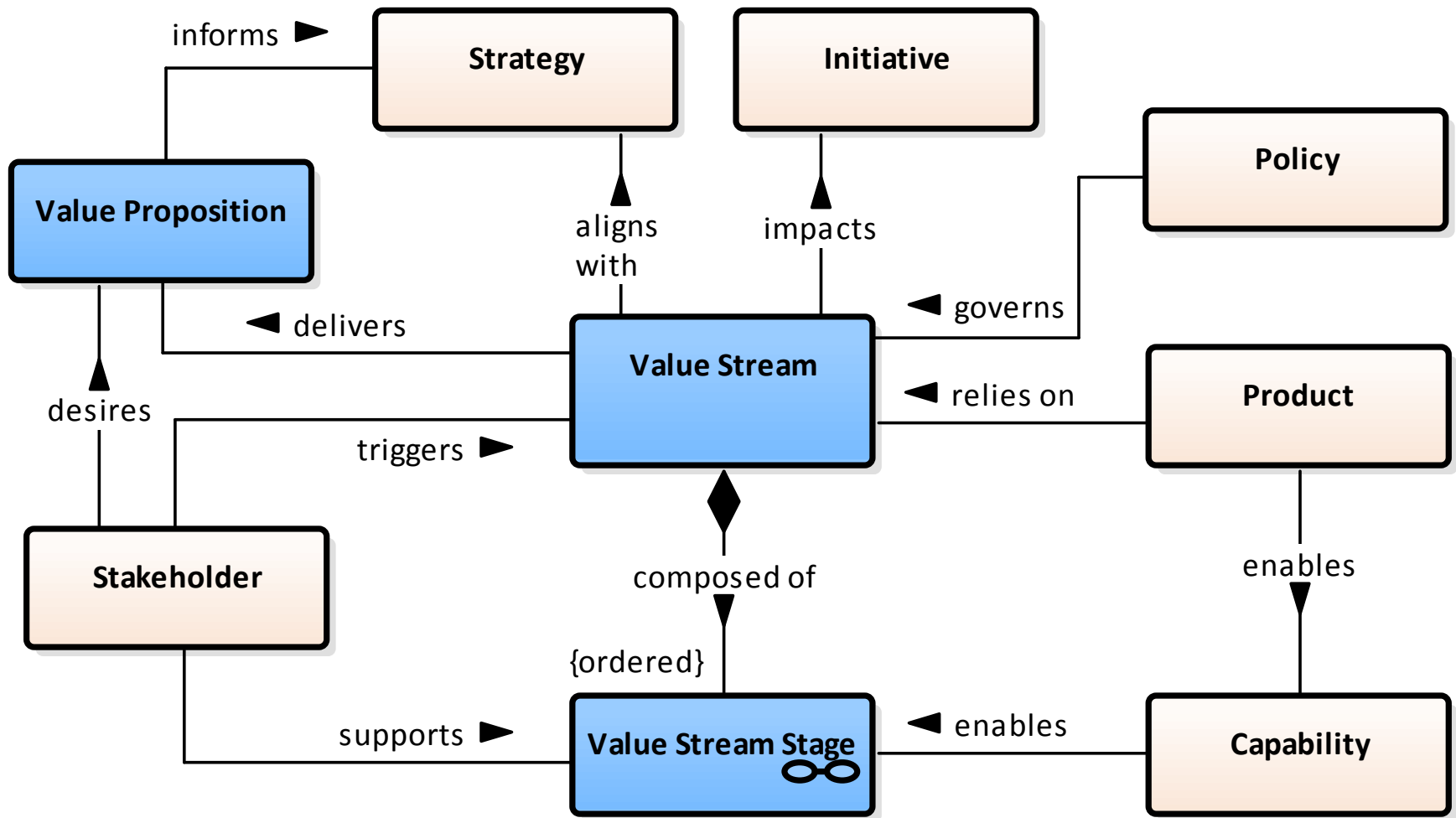
Capability Map – Auto-Generated



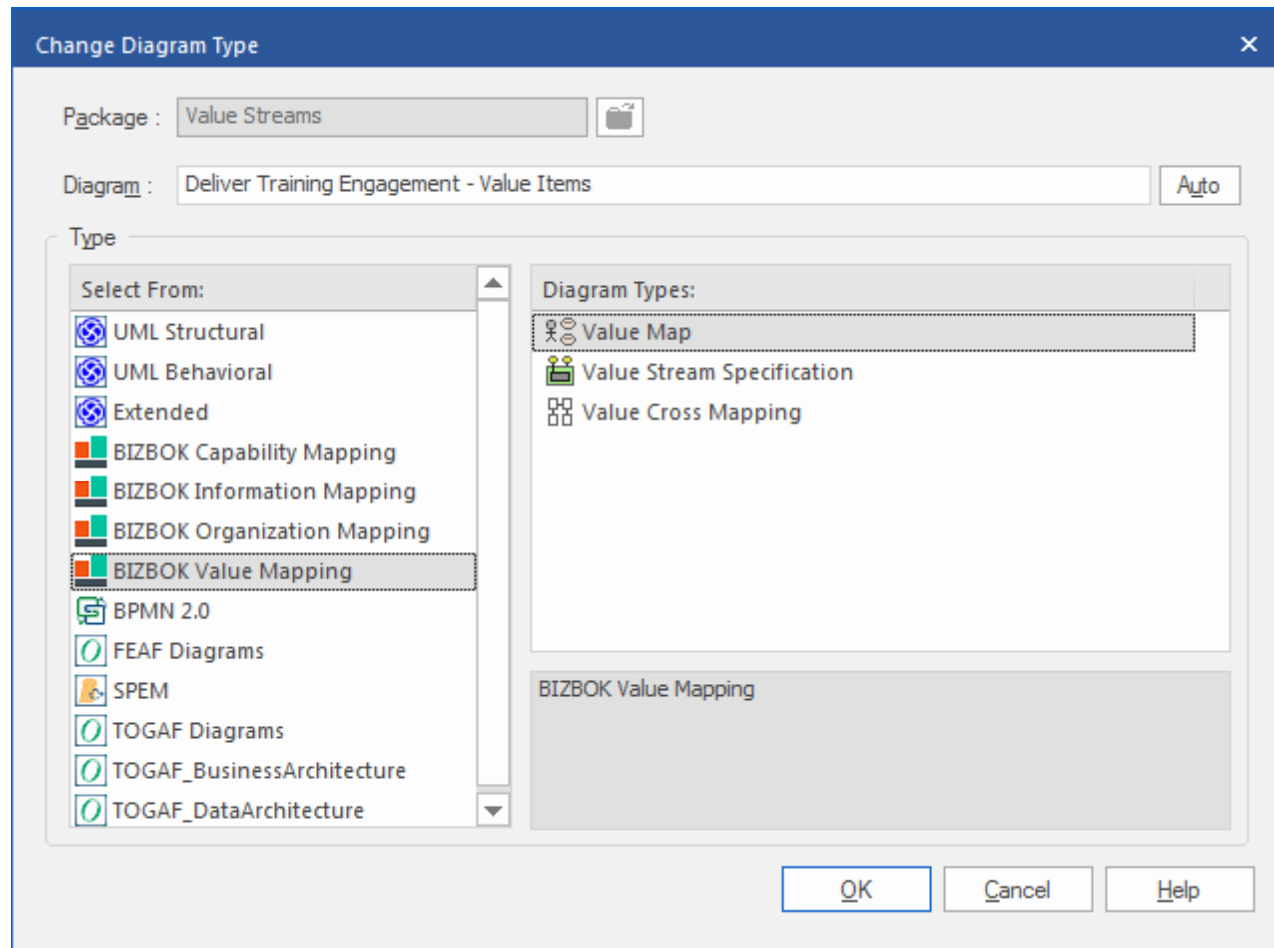
Capability Map – Alternate Depiction



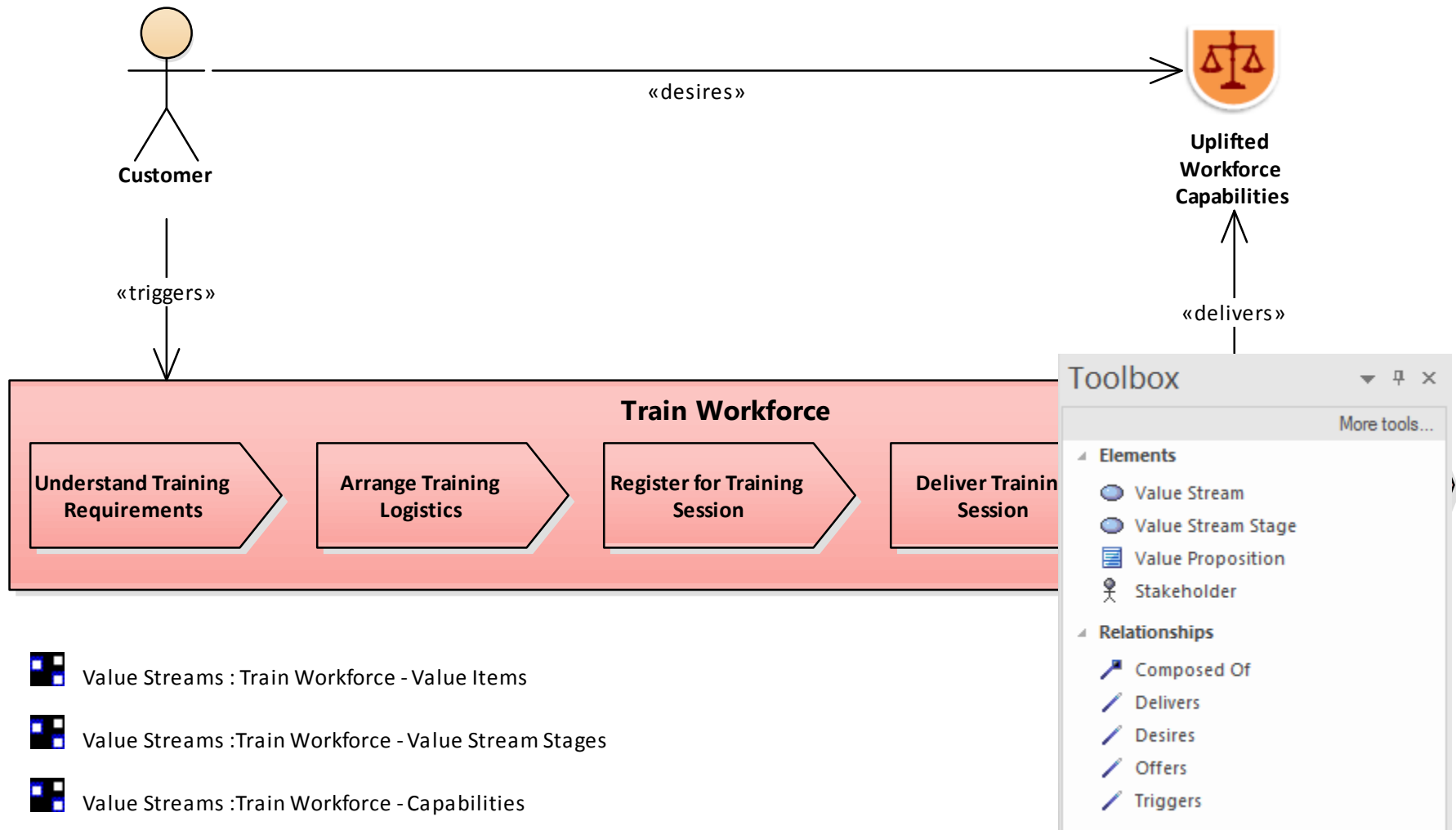
Value – Metamodel



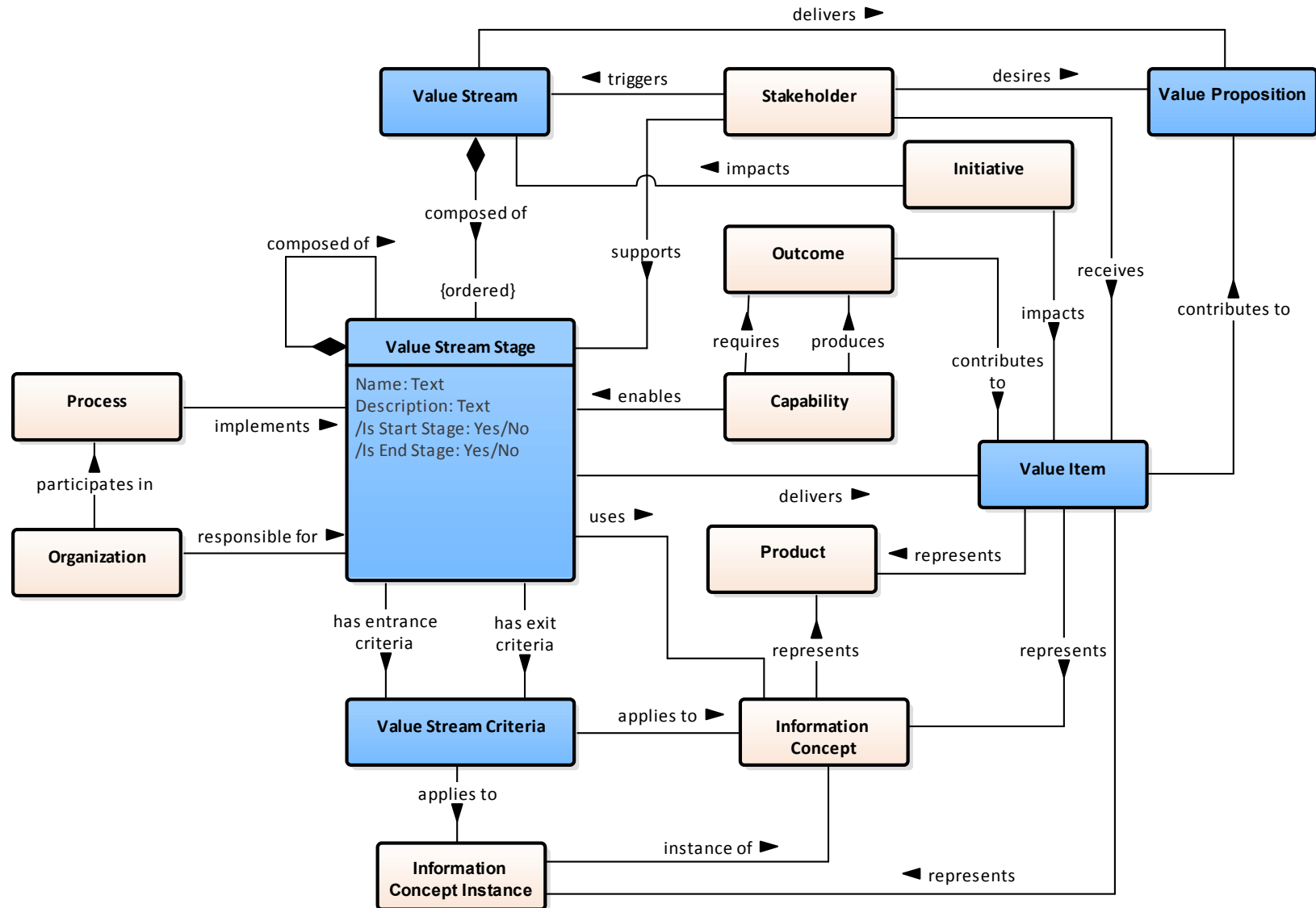
Value Mapping – Diagram Types



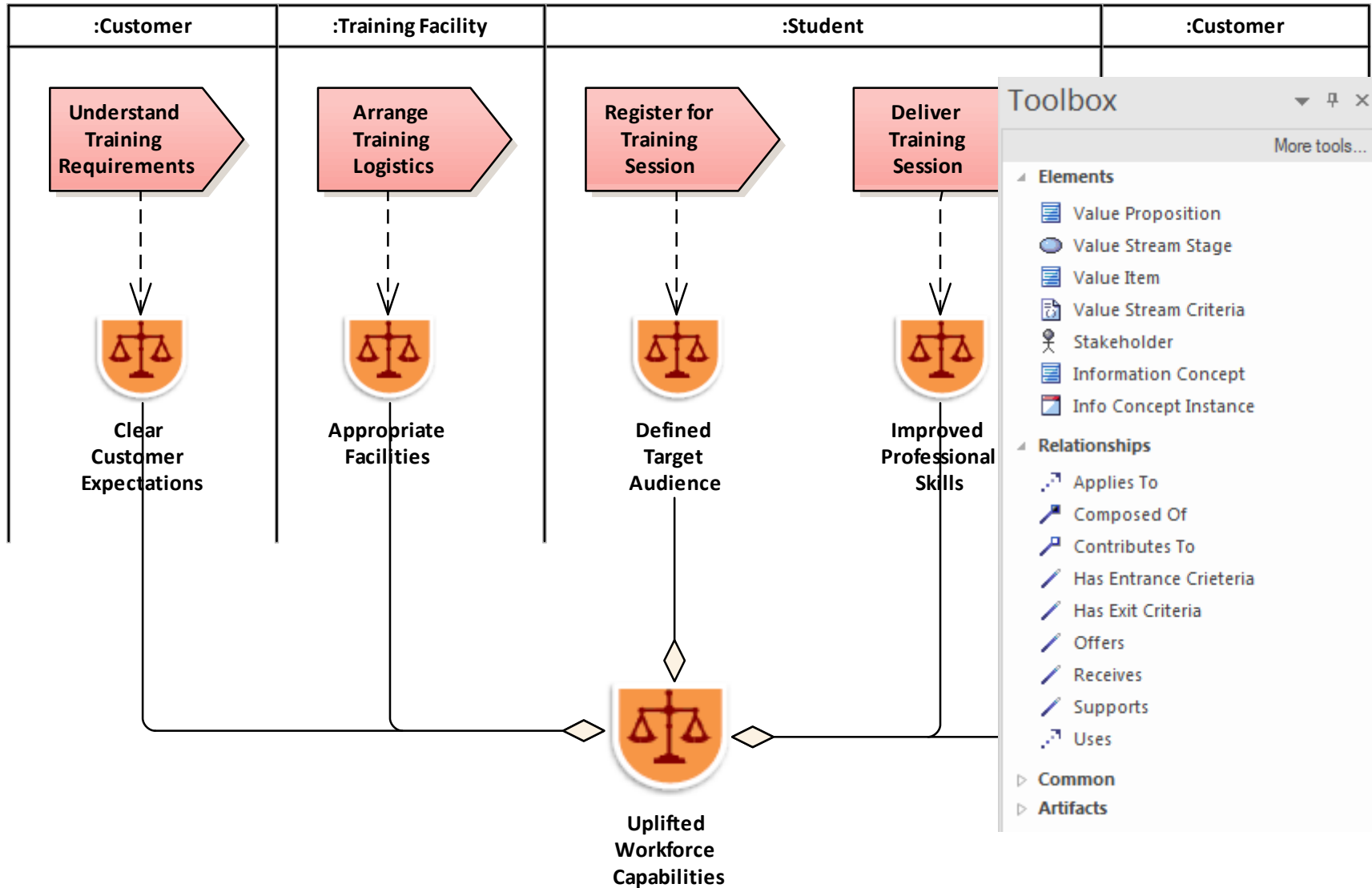
Value Map – Example



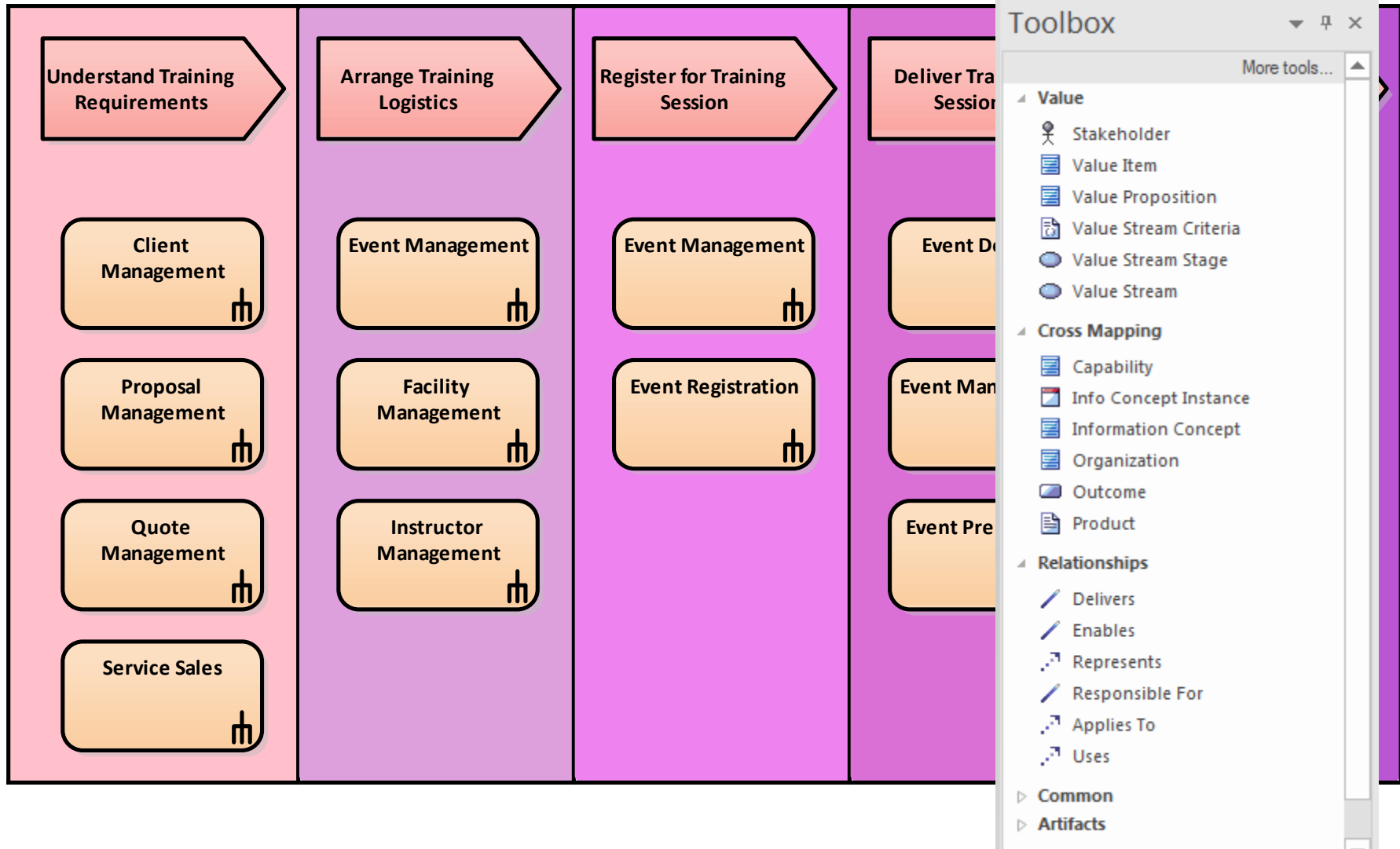
Value Stream – Metamodel



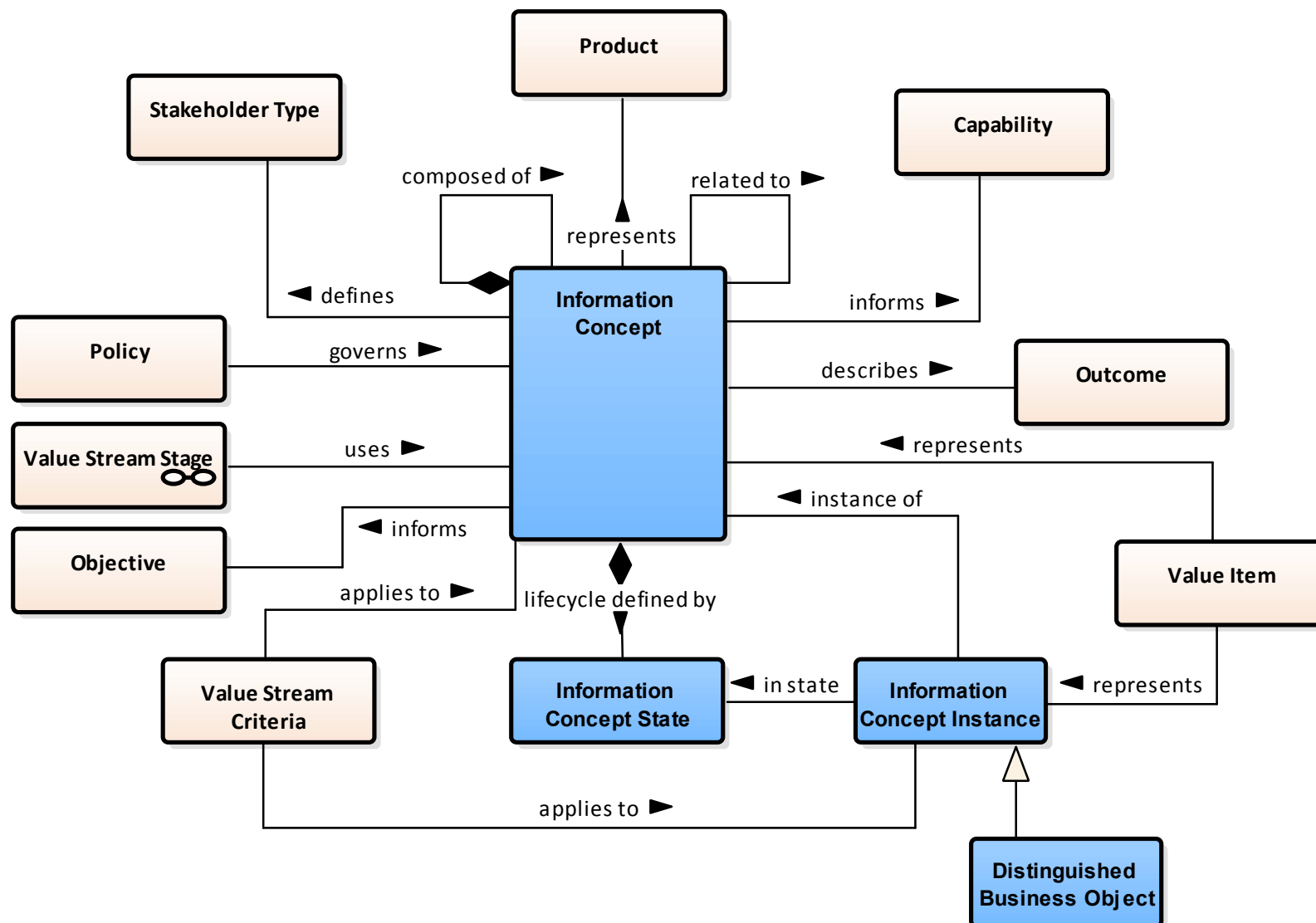
Value Stream Specification



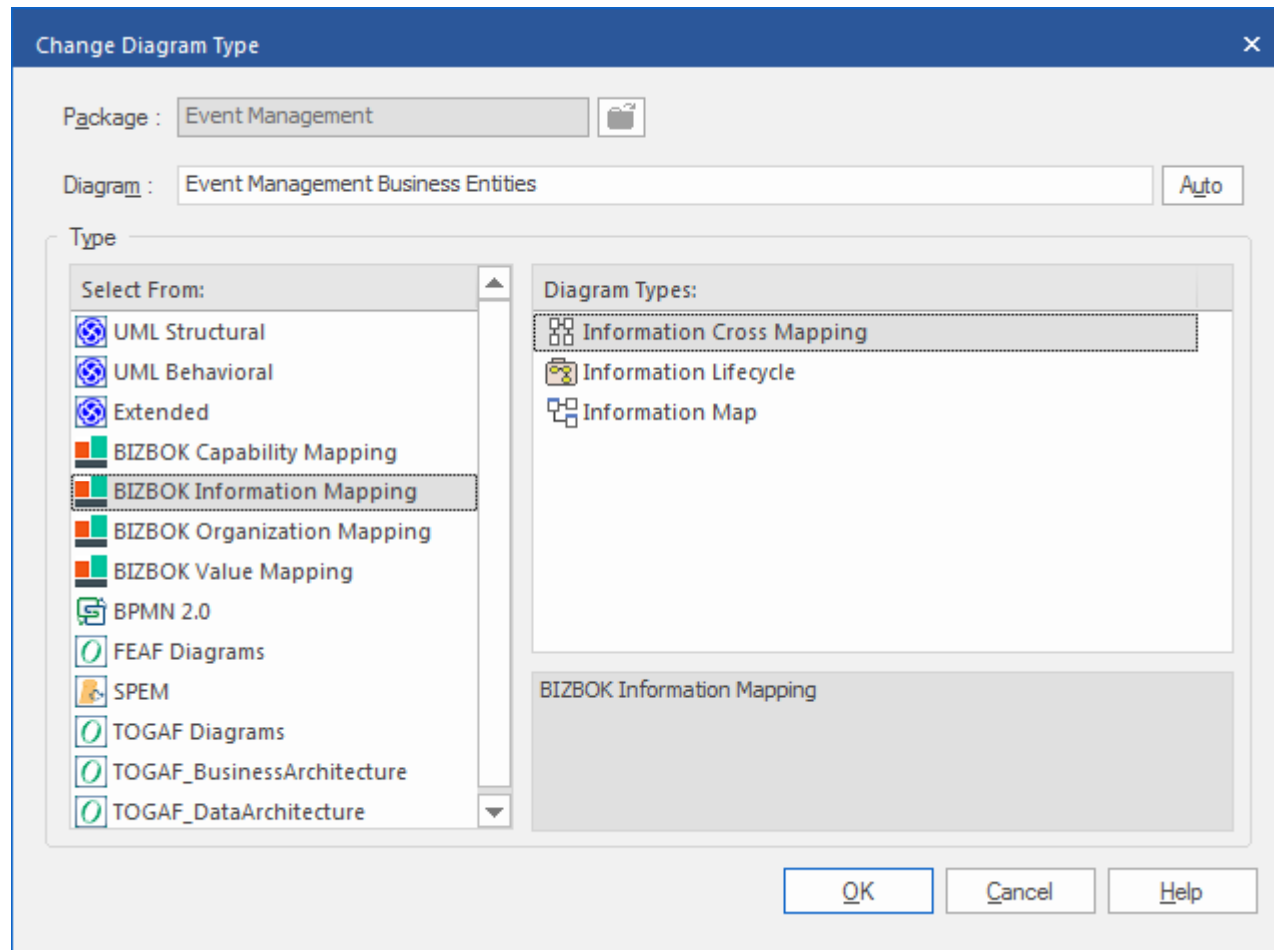
Value Cross-Mapping



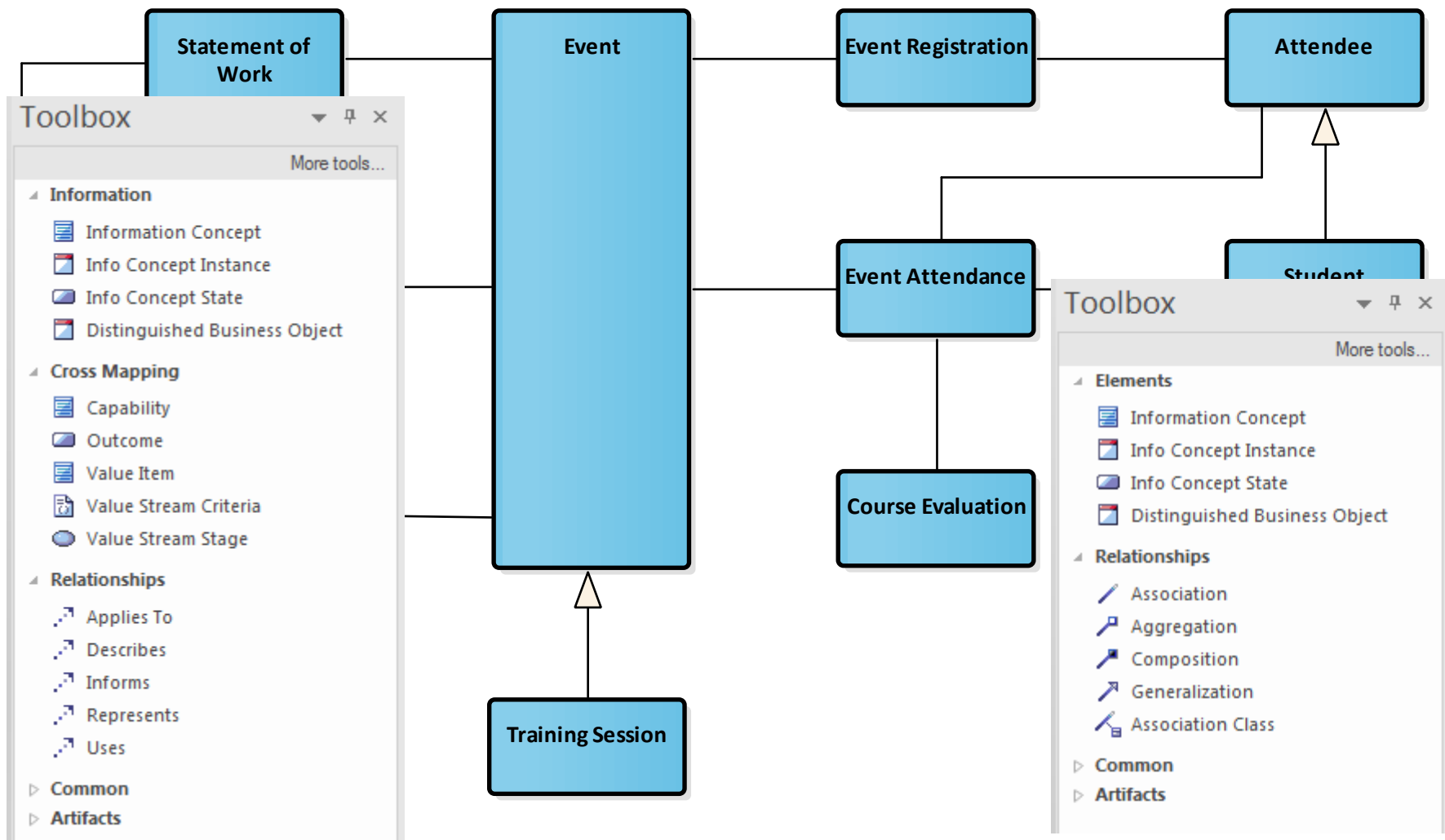
Information – Metamodel



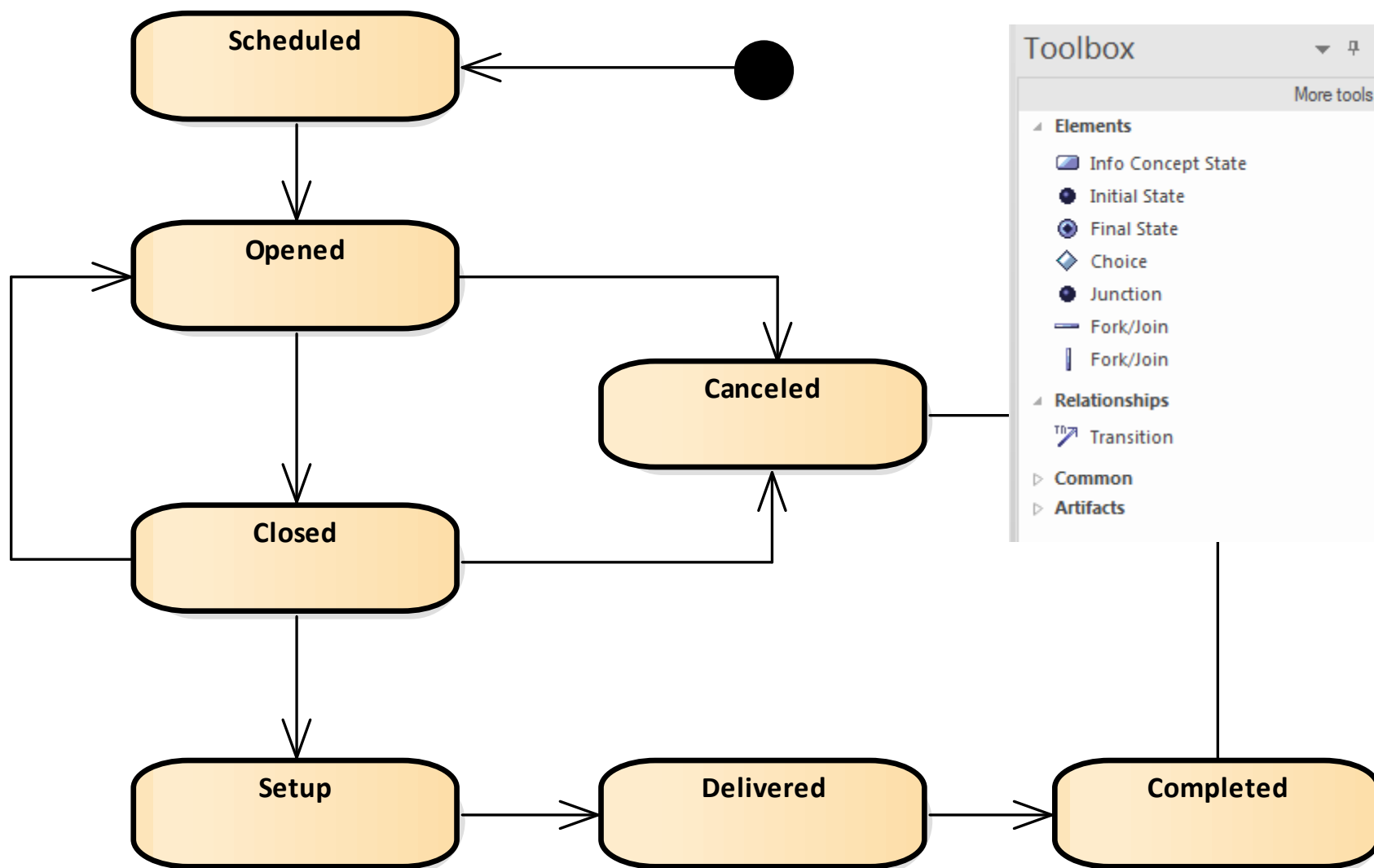
Information Map – Diagram Types



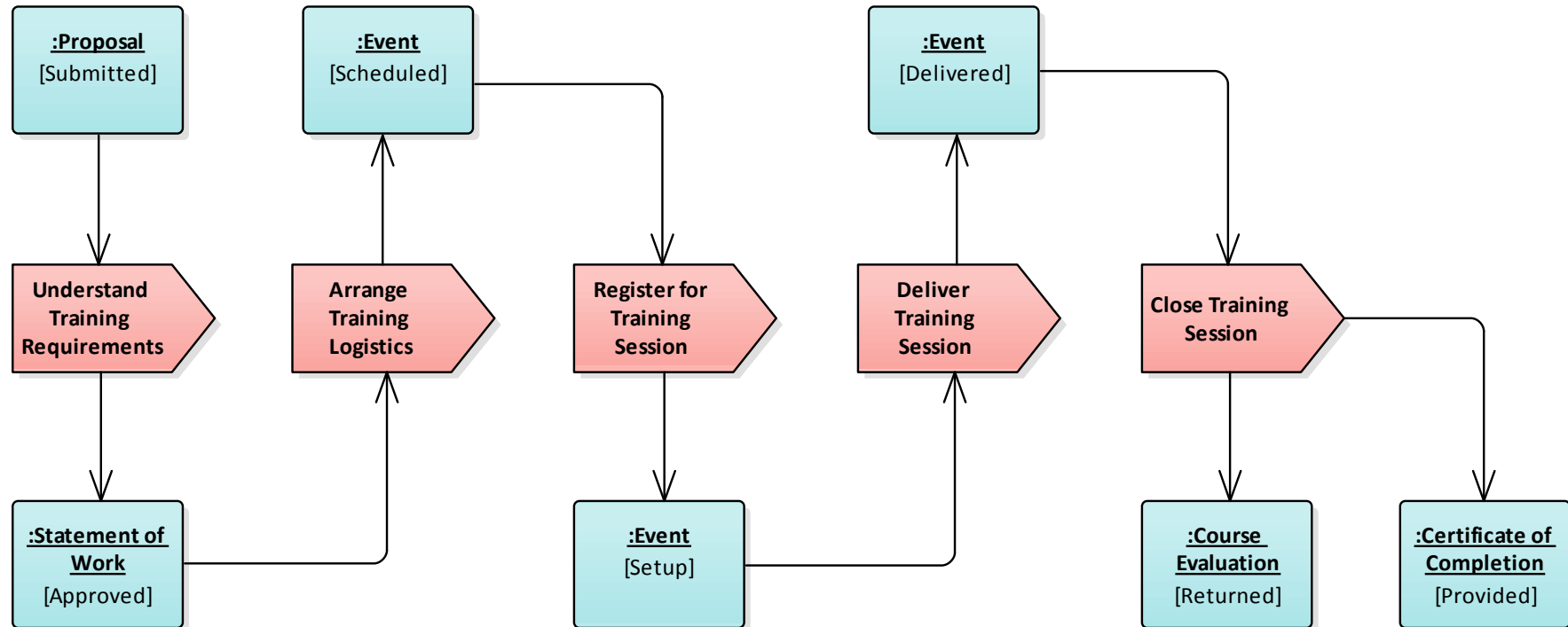
Information Map – Example



Information Lifecycle – Training Event



Value Stream – Entry/Exit Criteria



Value Stream Stage / Information Objects Mapping

Source \ Target	:Certificate of Completion	:Course Evaluation	:Event	:Event	:Event	:Proposal	:Statement of Work
Arrange Training Logistics							
Close Training Session							
Deliver Training Session							
Register for Training Session							
Train Workforce							
Understand Training Requirements							

Value Stream Stage enabled by Capability

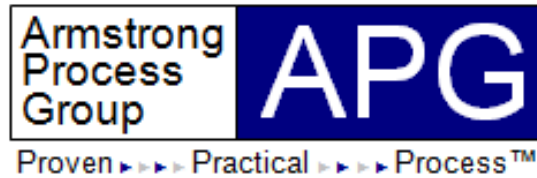
Value Stream Stage has Entry/Exit Criteria (Information Concepts)

Source \ Target	:Accounts Payable	:Accounts Receivable	:Attendee Management	:Client Management	:Event Delivery	:Event Management	:Event Management	:Event Management	:Event Management	:Event Preparation	:Event Registration	:Facility Management	:Instructor Management	:Proposal Management	:Quote Management	:Service Sales
Arrange Training Logistics																
Close Training Session																
Deliver Training Session																
Register for Training Session																
Train Workforce																
Understand Training Requirements																

Conclusions

- UML Profile for BIZBOK should increase level of adoption of formal modeling in Business Architecture
- Have released first alpha version focusing on core, foundational domains
 - Capability, Value, Information, Organization
 - Plan to release beta version by beginning of June 2017
- Have finished metamodel for extension domains
 - Strategy, Initiative, Stakeholder, Product, Policy
 - Will begin implementing UML profile in June
- Looking for end-users to test work-in-progress
 - Also looking for people to help contribute to development
- Plan to release first complete version 3Q2017

Q&A



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<http://www.linkedin.com/in/togaf/> 

***Thanks for your attention
and participation!***

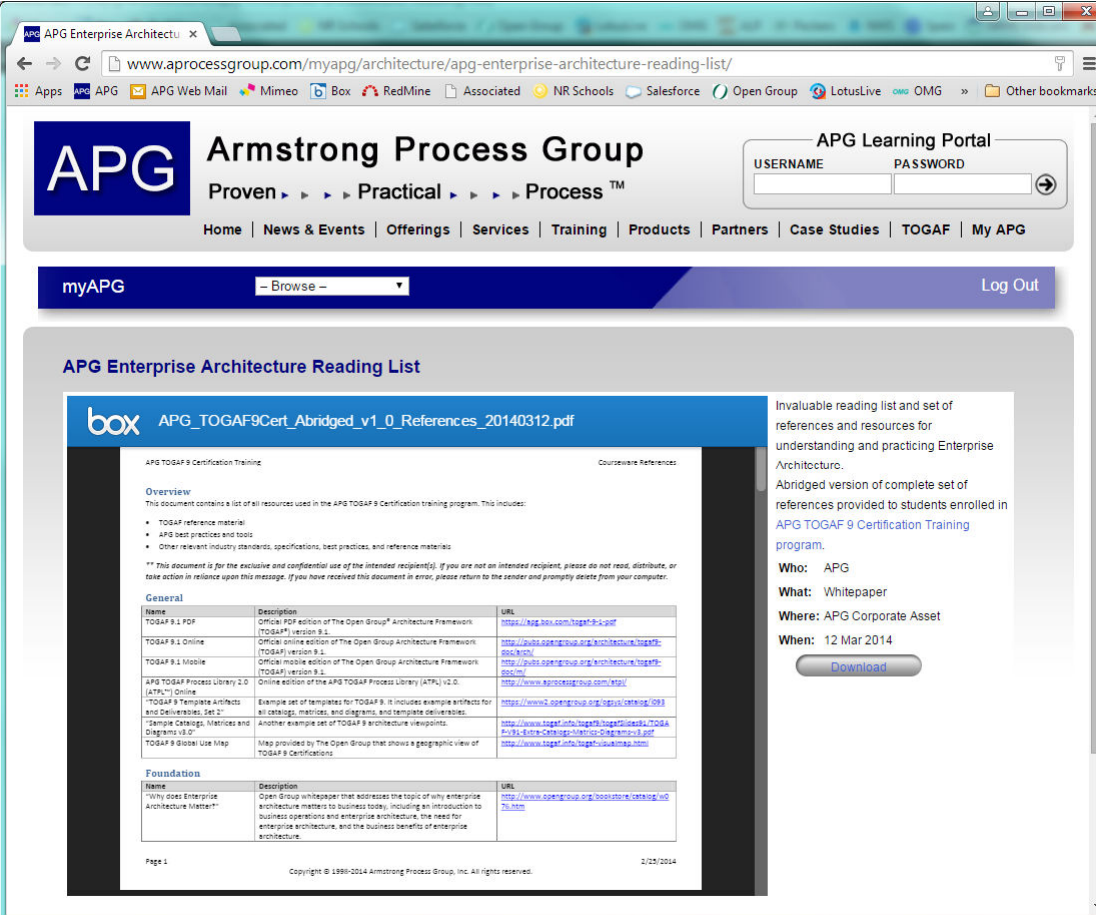
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myAPG Resource Portal



The screenshot displays the myAPG Resource Portal interface. At the top, the APG logo and "Armstrong Process Group" branding are visible, along with a navigation menu including Home, News & Events, Offerings, Services, Training, Products, Partners, Case Studies, TOGAF, and My APG. A login section for the "APG Learning Portal" is present, with fields for USERNAME and PASSWORD. Below the navigation, a "myAPG" dropdown menu and a "Log Out" button are shown. The main content area is titled "APG Enterprise Architecture Reading List" and features a "box" icon next to the document title "APG_TOGAF9Cert_Abridged_v1_0_References_20140312.pdf". The document content includes an overview, a disclaimer, and two tables: "General" and "Foundation".

General

Name	Description	URL
TOGAF 9.1 PDF	Official PDF edition of The Open Group® Architecture Framework (TOGAF®) version 9.1.	http://ag.sso.com/togaf-9-1.pdf
TOGAF 9.1 Online	Official online edition of The Open Group Architecture Framework (TOGAF) version 9.1.	http://pubs.apcprocessgroup.com/architecture/togaf9-1.pdf/
TOGAF 9.1 Mobile	Official mobile edition of The Open Group Architecture Framework (TOGAF) version 9.1.	http://pubs.apcprocessgroup.com/architecture/togaf9-1.pdf/
APG TOGAF Process Library 2.0 (ATPL™) Online	Online edition of the APG TOGAF Process Library (ATPL) v2.0.	http://www.apcprocessgroup.com/
"TOGAF 9 Template Artifacts and Deliverables, Set 2"	Example set of templates for TOGAF 9. It includes example artifacts for all catalogs, matrices, and diagrams, and template deliverables.	http://www2.apcprocessgroup.com/ogp/sets02/093
Sample Catalogs, Matrices and Diagrams v8.0	Another example set of TOGAF 9 architecture viewpoints.	http://www.apcprocessgroup.com/ogp/sets02/094
TOGAF 9 Global Use Map	Map provided by The Open Group that shows a geographic view of TOGAF 9 Certifications.	http://www.togaf.info/togaf9uamap.html

Foundation

Name	Description	URL
"Why does Enterprise Architecture Matter?"	Open Group whitepaper that addresses the topic of why enterprise architecture matters to business today, including an introduction to business operations and enterprise architecture, the need for enterprise architecture, and the business benefits of enterprise architecture.	http://www.apcprocessgroup.com/ogp/sets02/095

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On the right side of the document preview, there is a summary of the resource: "Invaluable reading list and set of references and resources for understanding and practicing Enterprise Architecture. Abridged version of complete set of references provided to students enrolled in APG TOGAF 9 Certification Training program." Below this summary, it lists "Who: APG", "What: Whitepaper", "Where: APG Corporate Asset", and "When: 12 Mar 2014". A "Download" button is located at the bottom of this section.

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