



TOGAF 10th Edition

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Contents



1. Introduction
2. TOGAF 10th Edition
3. Structure of the TOGAF® Standard
4. TOGAF Certification
5. Conclusion
6. Questions and Discussion



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The Open Group: Making Standards Work[®]



Boundaryless Information Flow™ achieved through global interoperability in a secure, reliable, and timely manner

The **mission** of The Open Group is to drive the creation of Boundaryless Information Flow™ achieved by:

Working with **customers** to capture, understand, and address current and emerging requirements, establish policies, and share best practices

Working with **suppliers**, consortia, and standards bodies to develop consensus and facilitate interoperability, to evolve and integrate specifications and open source technologies

Developing and operating the industry's **premier certification service** and encouraging procurement of certified products

The screenshot displays the The Open Group website. At the top, there is a navigation bar with the logo and links for 'About Us', 'Certifications', 'Events', 'Membership', and 'The Open Group Library'. Below this is a large image of a grand, ornate spiral staircase. To the right of the image, there is a 'Latest Announcements' section titled 'The Open Group Launches Data Scientist Certification Program'. Below the staircase image, the main heading reads 'The Open Group: Making Standards Work[®]' followed by a paragraph describing the group's mission. To the right of this text is a 'JOIN THE OPEN GROUP' button. Below the main content, there is a section titled 'News: ISMME Forums offers many benefits for mining houses and IT suppliers'. At the bottom, there are four columns, each representing a different forum: TOGAF, EA Forum, EMM, and Archimate 2.0. Each column includes a brief description of the forum and a 'READ MORE' button.

The Open Group Architecture Forum

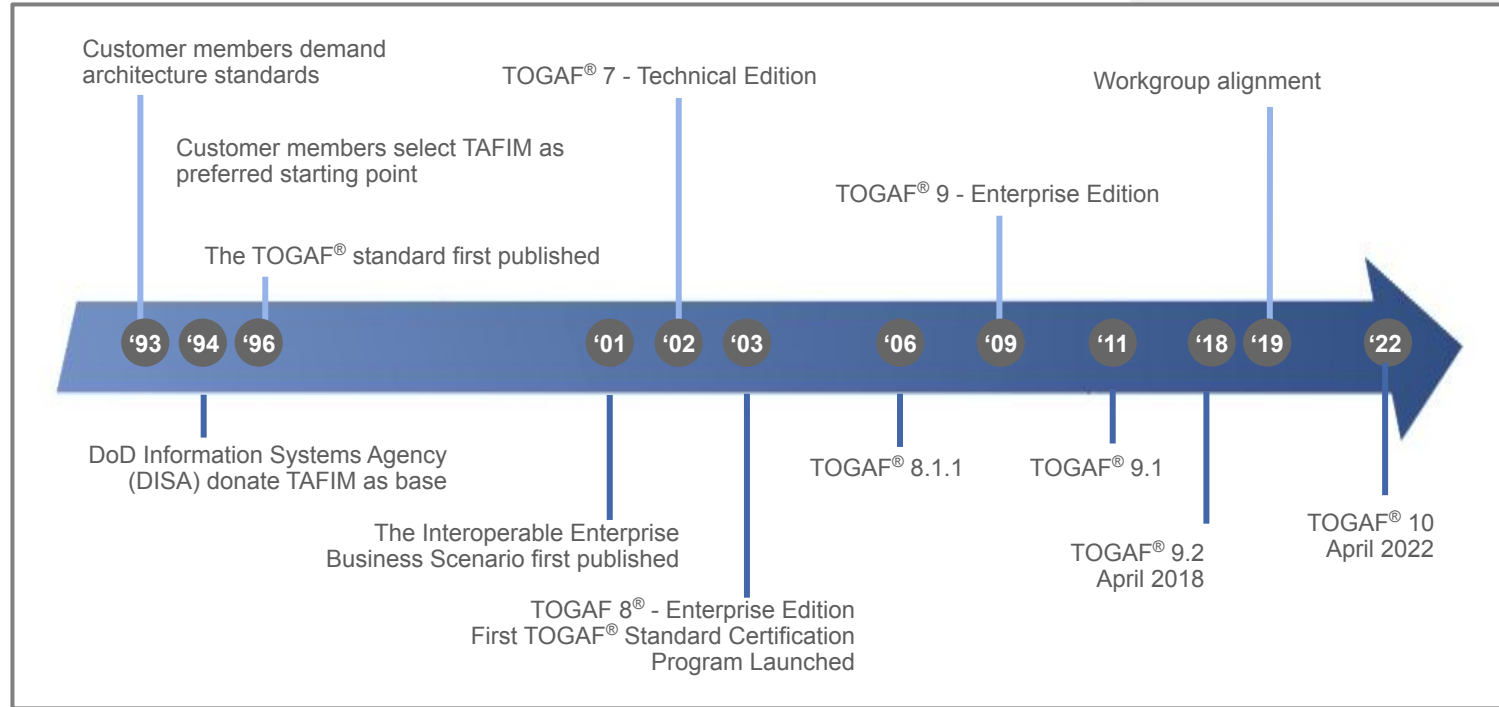


Leading the development of open, vendor-neutral technology standards and certifications

- ❑ An active organisation-neutral environment to learn about and develop EA standards
- ❑ Align with business objectives and deliver greater value.
 - Providing broad and deep leadership to the EA community
 - Validating, publishing, fostering, and maintaining best practices for EA
 - Developing, organizing, researching, and publishing thought leaders in EA
 - Initiating and managing programs and projects to support these activities
- ❑ Members have **early access** to relevant knowledge, and are able to **influence and lead** the development of EA standards and best practices.

ArchiMate® Forum	Work Groups
Architecture Forum	Work Groups Open to All Members of The Open Group
Exploration, Mining, Metals & Minerals Forum	The Open Group Semantic Interoperability Work Group
Healthcare Forum	The Open Group India Academic Initiative In Architecture (INITIATE) Work Group
IT4IT™ Forum	The Open Group Government EA Work Group
Open Footprint™ Forum	The Open Group Commercial Aviation Work Group
Open Process Automation™ Forum	
OSDU™ Forum	
Real-time & Embedded Systems Forum	Consortia
The Open Group Platform Forum	Future Airborne Capability Environment™ (FACE)
Open Trusted Technology Forum	Sensor Open Systems Architecture™ (SOSA)
Security Forum	
	Data Science Community

The Evolution of the TOGAF® Standard





TOGAF 10th Edition

The Digital Edition

What is new?

Modular Structure

Release Management

The Digital Edition of the TOGAF Standard



Brings together the Fundamental Content and Series Guides, making it easier to navigate and search the expanded content

The digital edition of the TOGAF Standard will evolve continuously as we refresh and expand the contents of the standard.

The screenshot shows the digital edition of the TOGAF Standard. On the left is a navigation pane titled 'The TOGAF® Standard' with a home icon. Below it is the TOGAF logo. The main content area is titled 'TOGAF® Fundamental Content' and lists the following items:

- Introduction and Core Concepts
- Architecture Development Method (ADM)
 - 1. Introduction
 - 2. Preliminary Phase
 - 3. Phase A: Architecture Vision
 - 4. Phase B: Business Architecture
 - 5. Phase C: Information Systems Architectures
 - 6. Phase C: Information Systems Architectures - Data Architecture
 - 7. Phase C: Information Systems Architectures - Application Architecture
 - 8. Phase D: Technology Architecture
 - 9. Phase E: Opportunities and Solutions
 - 10. Phase F: Migration Planning
 - 11. Phase G: Implementation Governance
 - 12. Phase H: Architecture Change Management
 - 13. ADM Architecture Requirements Management
- ADM Techniques
- Applying the ADM
- Architecture Content
- Enterprise Architecture Capability and Governance

The right pane shows the '3.4 Outputs' section. It states: 'The outputs of Phase A may include, but are not restricted to:'

- Approved Statement of Architecture Work (see the [TOGAF Standard — Architecture Content](#)), including in particular:
 - Architecture project description and scope
 - Overview of Architecture Vision
 - Architecture project plan and schedule
- Refined statements of business principles, business goals, and business drivers (see the [TOGAF Standard — Architecture Content](#))
- Architecture Principles (see the [TOGAF Standard — ADM Techniques](#))
- Capability Assessment (see the [TOGAF Standard — Architecture Content](#))
- Tailored Architecture Framework (see the [TOGAF Standard — Architecture Content](#)) (for the engagement), including:
 - Tailored architecture method
 - Tailored architecture content (deliverables and artifacts)
 - Configured and deployed tools
- Architecture Vision (see the [TOGAF Standard — Architecture Content](#)), including:
 - Problem description
 - Objective of the Statement of Architecture Work
 - Summary views
 - Business scenario (optional)
 - Refined key high-level stakeholder requirements
- Draft Architecture Definition Document, which may include Baseline and/or Target Architectures of any architecture domain
- Communications Plan (see the [TOGAF Standard — Architecture Content](#))
- Additional content populating the Architecture Repository (see the [TOGAF Standard — Architecture Content](#))

Note:

Multiple business scenarios may be used to generate a single Architecture Vision.

The [TOGAF Standard — Architecture Content](#) contains a detailed description of architectural artifacts which might be produced in this phase, describing them in detail and relating them to entities, attributes, and relationships in the TOGAF Enterprise Metamodel.

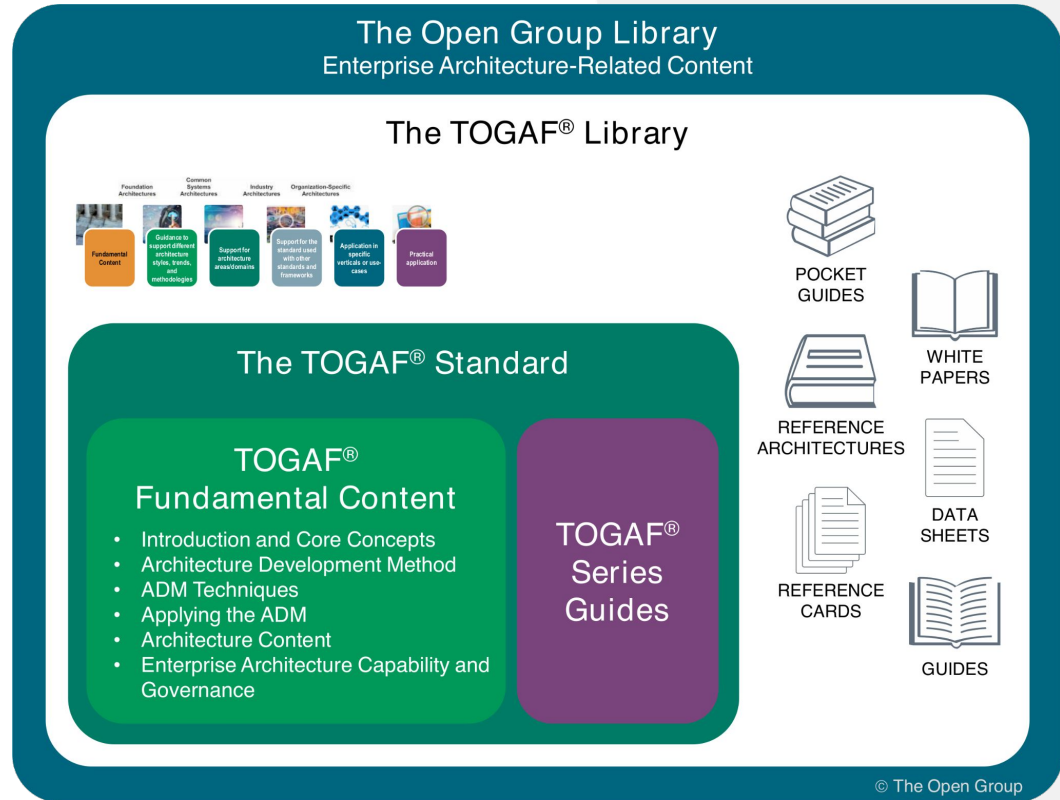
3.5 Approach

Structure and Scope of the TOGAF Standard



TOGAF® Fundamental Content

- **Introduction and Core Concepts**
 - 1. Introduction
 - 2. The TOGAF Documentation Set
 - 3. Core Concepts
 - 4. Definitions
 - A. Referenced Documents
 - B. Glossary of Supplementary Definitions
 - C. Abbreviations
- **Architecture Development Method (ADM)**
 - *ADM Techniques*
 - *Applying the ADM*
 - *Architecture Content*
 - *Enterprise Architecture Capability and Governance*





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The TOGAF® Standard

TOGAF® Fundamental Content

- Introduction and Core Concepts
- Architecture Development Method
- ADM Techniques
- Applying the ADM
- Architecture Content
- Enterprise Architecture Capability and Governance

TOGAF® Series Guides

- Business Architecture
- Information Architecture
- Security Architecture
- Enterprise Architecture/Agile Architecture
- Enterprise Architecture/Digital Enterprise
- Technology Architecture
- MSA/SOA Architectures
- Adapting the ADM
- . . .



The complete set of TOGAF Series Guides can be found at www.opengroup.org/library/guides/togaf/togaf-series-guides.

TOGAF Series Guides and the Digital Edition



Framework

- *A Practitioners' Approach to Developing Enterprise Architecture Following the TOGAF® ADM*
- *The TOGAF® Leader's Guide to Establishing and Evolving an EA Capability*

Agility

- *Enabling Enterprise Agility*
- *Applying the TOGAF® ADM using Agile Sprints*

Digital

- *Using the TOGAF® Standard in the Digital Enterprise*
- *Digital Technology Adoption: A Guide to Readiness Assessment and Roadmap Development*

Business Architecture

- *Business Capabilities*
- *Business Models*
- *Business Capability Planning*
- *Business Scenarios*
- *Information Mapping*
- *Organization Mapping*
- *Value Streams*

Information Architecture

- *Customer Master Data Management*
- *Metadata Management*

Security

- *Integrating Risk and Security within a TOGAF® Enterprise Architecture*

Project Management

- *Architecture Project Management*

Architecture Skills

- *Architecture Skills Framework*

Maturity Models

- *Architecture Maturity Models*

Reference Models

- *Digital Business Reference Model (DBRM)*
- *Government Reference Model (GRM)*

SOA

- *Microservices Architecture (MSA)*

[Alt-Index]

Handling Feedback and Issues



TOGAF Standard 10th Edition... Standards Process > Feedback > TOGAF Standard 10th Edition Feedback > Issue Boards

Development Search

Open 25

Nature: Editorial 5

Nature: Technical 7

Comment on C220: TOGAF Standard, 10th Edition Bug ID:385-7 : Section: 54.2, figure 4-1 (incorrect arrows?)
Applying the ADM Digital Edition Feedback
TOGAF Fundamental Content
#7

Comment on C220: TOGAF Standard, 10th Edition Bug ID:385-13
Digital Edition Feedback
Introduction and Core Concepts Severity: Minor
TOGAF Fundamental Content
#13

Comment on C220: TOGAF Standard, 10th Edition Bug ID:385-25 : Section: 1 (changes to previous version)
Digital Edition Feedback
#25

Comment on C220: TOGAF Standard, 10th Edition Bug ID:385-35 : Section: 2.3 TOGAF Enterprise Metamodel in Detail
Architecture Content Digital Edition Feedback
TOGAF-PAG
#35

Comment on C220: TOGAF Standard, 10th Edition Bug ID:385-40 : Section: 6
Digital Edition Feedback Leaders Guide
TOGAF Series Guide
#40

Comment on C220: TOGAF Standard, 10th Edition Bug ID:385-2
Digital Edition Feedback
Introduction and Core Concepts
TOGAF Fundamental Content TOGAF-PAG
#2

Comment on C220: TOGAF Standard, 10th Edition Bug ID:385-6 : 6.1.2 Trade-off
ADM Practitioners Guide Digital Edition Feedback
TOGAF Series Guide TOGAF-PAG
#6

Comment on C220: TOGAF Standard, 10th Edition Bug ID:385-29 : Section: 3.5.2 3.5.2 Creating the Architecture Vision
Architecture Development Method
Digital Edition Feedback
TOGAF Fundamental Content
#29

Comment on C220: TOGAF Standard, 10th Edition Bug ID:385-30 : Section: 3.1.1. 5.1
Business Capabilities Guide Digital Edition Feedback
#30

How to Provide Feedback?

You can report a bug or provide feedback on a page by clicking the images shown below.





Structure of the TOGAF® Standard

Overview

Architecture Development Method (ADM)

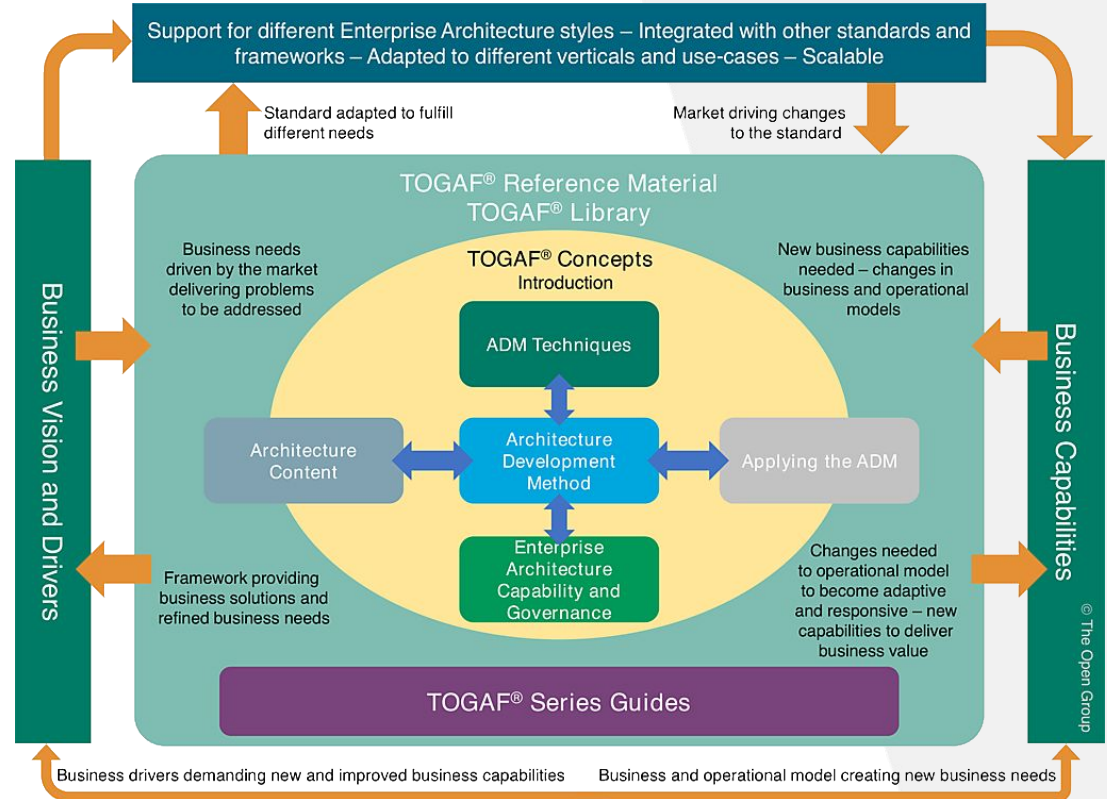
Architecture Content

Structure of the TOGAF® 10th Edition Standard

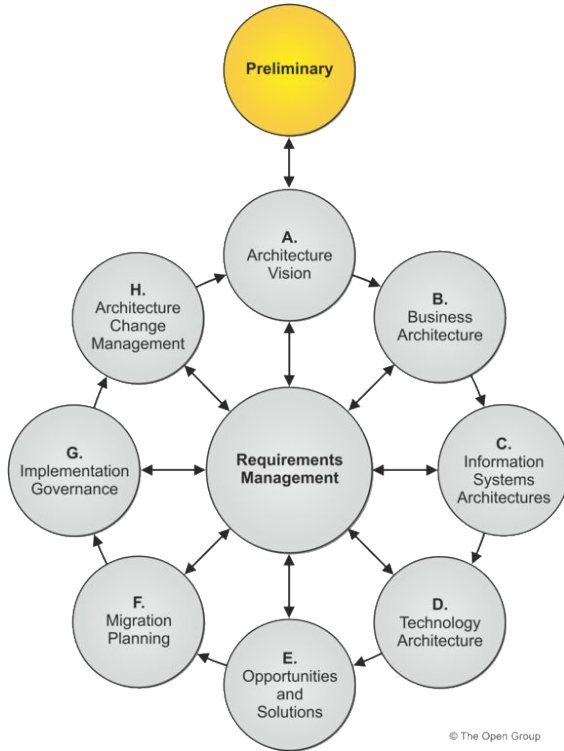


TOGAF is a foundational framework, which means that it is applicable to the development of any kind of architecture in any context.

The structure of the TOGAF Standard reflects the structure and content of an Architecture Capability within an enterprise.

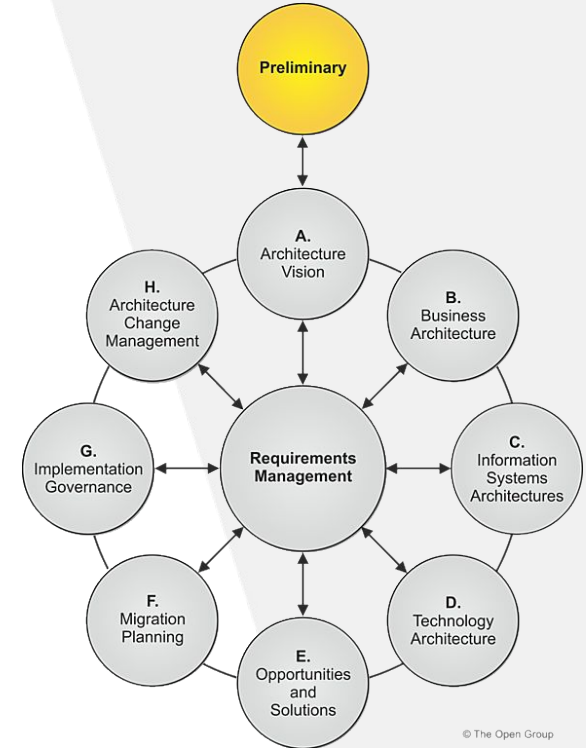


TOGAF Architecture Development Method



TOGAF 9.2

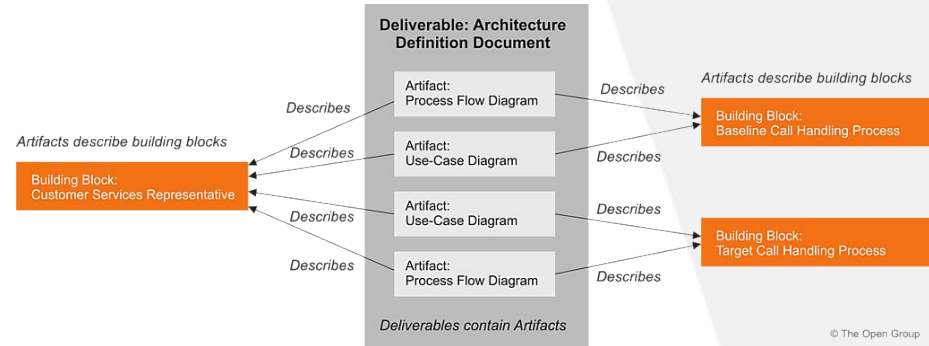
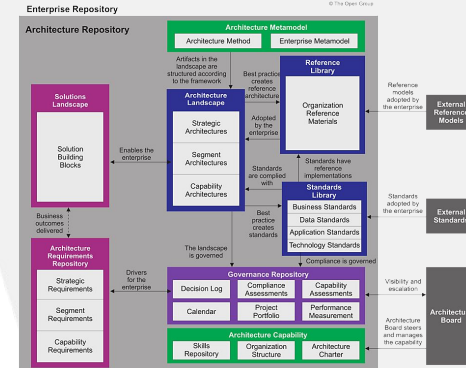
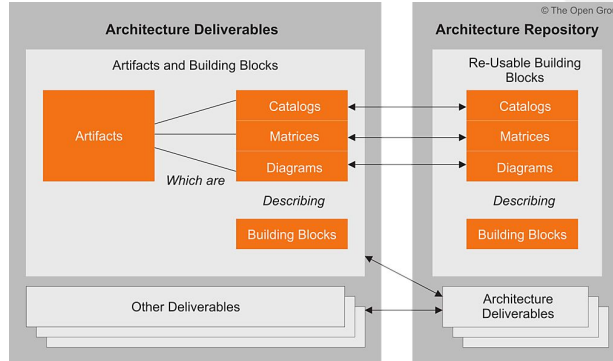
- ❑ Arrows
- ❑ Phase A - Starting Point
- ❑ Sequence
- ❑ Phase Naming
- ❑ Waterfall / Agile
- ❑ Requirements Management



TOGAF 10

Architecture Content

- **Architecture Content**
- 1. Introduction
- 2. TOGAF Content and Enterprise Metamodel
- 3. Architectural Artifacts
- 4. Architectural Deliverables
- 5. Building Blocks
- 6. Enterprise Continuum
- 7. Architecture Repository



Architecture Artefacts

Concepts of Core and Extension Content removed

New and Renamed Artefacts

- ☐ Business Information
- ☐ Stakeholder Map Matrix
→ Stakeholder Catalog
- ☐ ...

Updated Artifact Descriptions

Preliminary	Business Architecture	Data Architecture	Application and System Architecture	Technology Architecture
Catalogs	Operational/Control Catalog Process Catalog Role Catalog Value Stream Catalog Location Catalog Value Stream Stages Catalog Product/Process Catalog	Concept Catalog Data Entity/Data Component Catalog Application/Actor Matrix Application/Function Matrix Application/Role Matrix Application/Service Matrix	Contract Catalog Business Capabilities Catalog Value Stream Catalog Value Stream Stages Catalog Business Glossary Catalog	Technology Standards Catalog Technology Portfolio Catalog
Diagrams	Value Chain Diagram Solution Concept Diagram Business Model Diagram Business Capability Map Value Stream Map	Value Stream/Capability Matrix Actor/Role Matrix	Strategy/Capability Matrix Capability/Organization Matrix	Application/Technology Matrix
Matrices	Business Interaction Matrix	Business Service/Information Diagram Functional Decomposition Diagram Product Lifecycle Diagram Goal/Objective/Business Service Diagram Business Use-Case Diagram Organization Decomposition Diagram	Process Flow Diagram Business Event Diagram Business Capability Map Value Stream Map Organization Map Information Map	Application Communication Diagram Application and User Location Diagram Application Use-Case Diagram Enterprise Manageability Diagram Process/Application Realization Diagram Software Engineering Diagram Application Migration Diagram Software Distribution Diagram
Diagrams	Conceptual Data Diagram Logical Data Diagram Data Dissemination Diagram Data Security Diagram Data Migration Diagram Data Lifecycle Diagram	Conceptual Data Diagram Logical Data Diagram Data Dissemination Diagram Data Security Diagram Data Migration Diagram Data Lifecycle Diagram	Conceptual Data Diagram Logical Data Diagram Data Dissemination Diagram Data Security Diagram Data Migration Diagram Data Lifecycle Diagram	Conceptual Data Diagram Logical Data Diagram Data Dissemination Diagram Data Security Diagram Data Migration Diagram Data Lifecycle Diagram
Diagrams	Project Context Diagram Benefits Diagram	Requirements Catalog		

Preliminary	Catalogs	Principles Catalog
Architecture Vision	Catalogs	Stakeholder Catalog
Diagrams	Value Chain Diagram Solution Concept Diagram Business Model Diagram Business Capability Map Value Stream Map	

Catalogs	Organization/Actor Catalog Driver/Goal/Objective Catalog Role Catalog Business Service/Function Catalog Location Catalog Process/Event/Control Product Catalog	Contract/Measure Catalog Business Capabilities Catalog Value Stream Catalog Value Stream Stages Catalog Business Glossary Catalog
Matrices	Business Interaction Matrix Actor/Role Matrix Value Stream/Capability Matrix	Strategy/Capability Matrix Capability/Organization Matrix

Catalogs	Data Entity/Data Component Catalog
Matrices	Data Entity/Business Function Matrix Application/Data Matrix
Diagrams	Conceptual Data Diagram Logical Data Diagram Data Dissemination Diagram Data Security Diagram Data Migration Diagram Data Lifecycle Diagram

Catalogs	Application Portfolio Catalog Interface Catalog
Matrices	Application/Organization Matrix Role/Application Matrix Application/Function Matrix Application Interaction Matrix
Diagrams	Application Communication Diagram Application and User Location Diagram Application Use-Case Diagram Enterprise Manageability Diagram Process/Application Realization Diagram Software Engineering Diagram Application Migration Diagram Software Distribution Diagram

Catalogs	Technology Standards Catalog Technology Portfolio Catalog
Matrices	Application/Technology Matrix
Diagrams	Environments and Locations Diagram Platform Decomposition Diagram Processing Diagram Networked Computing/Hardware Diagram Network and Communications Diagram

Opportunities and Solutions	Diagrams	Project Context Diagram Benefits Diagram
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Diagrams	Business Footprint Diagram Business Service/Information Diagram Functional Decomposition Diagram Product Lifecycle Diagram Goal/Objective/Business Service Diagram Business Use-Case Diagram Organization Decomposition Diagram	Process Flow Diagram Business Event Diagram Business Capability Map Value Stream Map Organization Map Information Map
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Diagrams	Conceptual Data Diagram Logical Data Diagram Data Dissemination Diagram Data Security Diagram Data Migration Diagram Data Lifecycle Diagram
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Diagrams	Application Communication Diagram Application and User Location Diagram Application Use-Case Diagram Enterprise Manageability Diagram Process/Application Realization Diagram Software Engineering Diagram Application Migration Diagram Software Distribution Diagram
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Diagrams	Environments and Locations Diagram Platform Decomposition Diagram Processing Diagram Networked Computing/Hardware Diagram Network and Communications Diagram
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Requirements Management	Catalogs	Requirements Catalog
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Architecture Deliverables



TOGAF Deliverable	Output from...											Input to...										
	PL	A	B	C	D	E	F	G	H	RM	PL	A	B	C	D	E	F	G	H	RM		
Request for Architecture Work	X						X		X			X						X				
Business Principles, Business Goals, and Business Drivers	X	X	X									X	X									
Organizational Model for Enterprise Architecture	X										X	X	X	X	X	X	X	X	X	X		
Architecture Principles	X	X	X	X	X						X	X	X	X	X	X	X	X	X			
Tailored Architecture Framework	X	X									X	X	X	X	X	X	X	X	X	X		
Architecture Repository	X										X	X	X	X	X	X	X	X	X	X		
Architecture Building Blocks							X		X			X	X	X	X	X						
Solution Building Blocks								X				X	X	X	X	X	X	X				
Capability Assessment		X				X							X	X	X	X	X					
Architecture Vision		X				X							X	X	X	X	X	X	X	X		
Architecture Definition Document		X	X	X	X	X	X						X	X	X	X	X	X	X			
Communications Plan		X											X	X	X	X	X					
Statement of Architecture Work		X	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X		
Architecture Requirements Specification			X	X	X	X	X			X				X	X					X		
Requirements Impact Assessment										X										X		
Architecture Roadmap			X	X	X	X	X						X	X	X	X	X					
Implementation and Migration Plan							X	X									X					
Implementation Governance Model							X											X	X			
Architecture Contract								X										X	X			
Compliance Assessment								X											X			
Change Request							X	X	X													



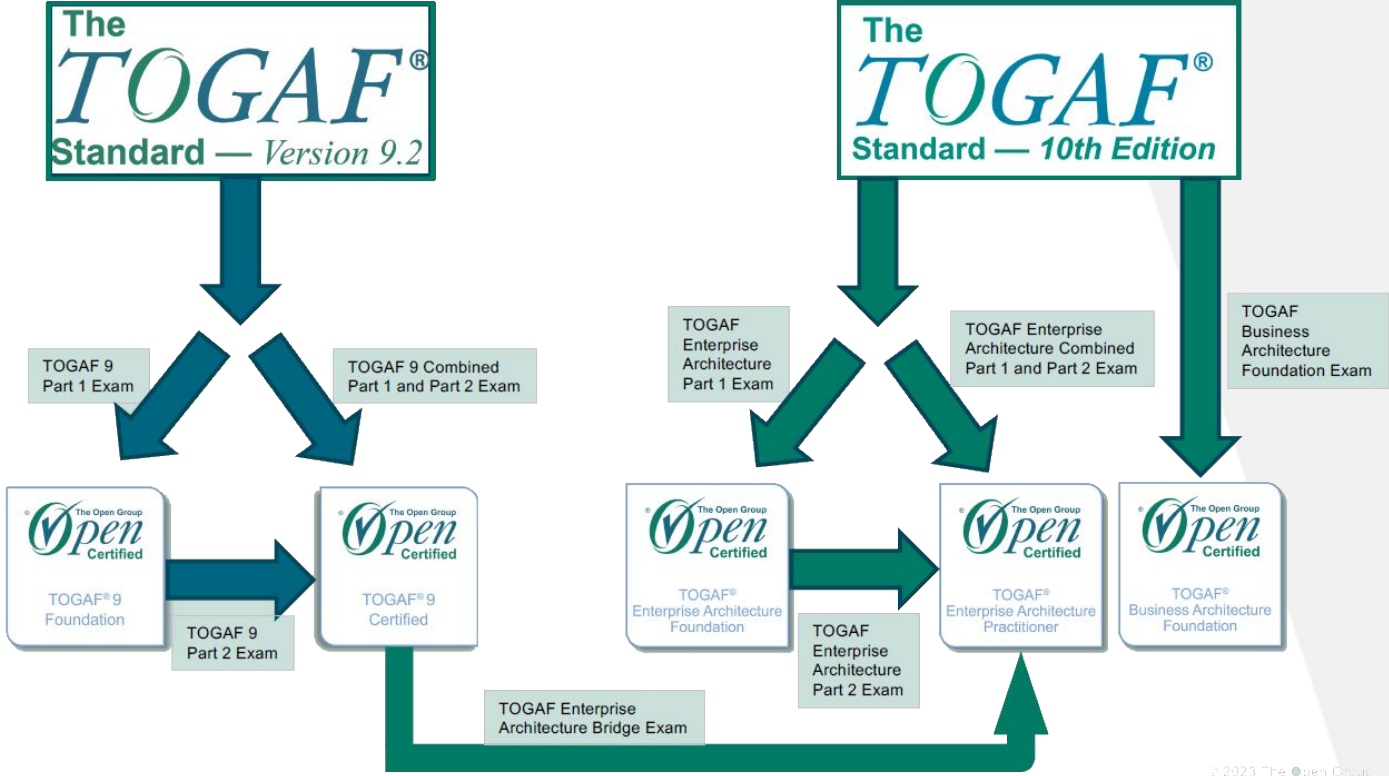
TOGAF Certification

Learning Paths

Badges

Active Learning Studies

TOGAF Certification



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TOGAF Certification Badges



Active Learning Studies



TOGAF® Certification for People

TOGAF Enterprise Architecture Practitioner
Learning Studies
Question Book

September 2022
Version 1.0



These Learning Studies support the TOGAF Enterprise Architecture Practitioner certification program and are a required part of an Accredited Training Course.

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4.2 Question 2

Unit # 2	Unit Name: Stakeholder Management
Question # 2	Description: Central question in key concepts 2.4 Explain how to use trade-off to support the architecture development. 3_Applying {S2} §10.2 G186 §6.1.2, 6.2

Scenario

You are a senior architect working with the Enterprise Architecture (EA) team at the multinational consumer goods firm.

The EA team is engaged in the Digital Transformation strategy, which now has an architecture and supporting roadmap. The team has initiated work into the architecting of product development processes and customer experience.

Within your personal area of responsibility, the CRM, you are working to develop an architecture that supports a radically different customer experience and engagement model. For example, the old CRM workflows assume a physical good must be returned and inspected prior to refunding a consumer or providing a replacement product. This assumption is not valid for either digital consumer products or digital services.

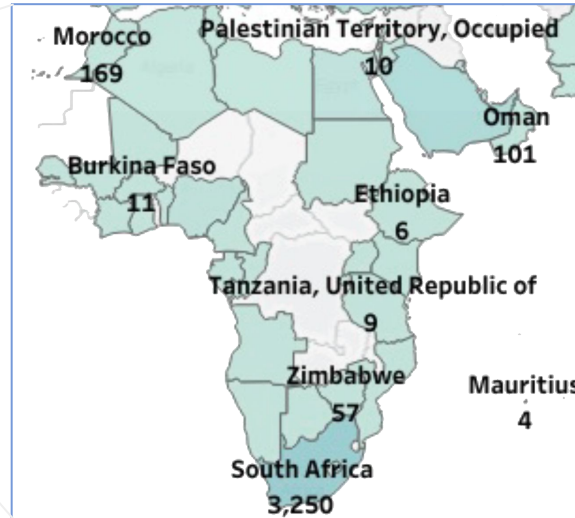
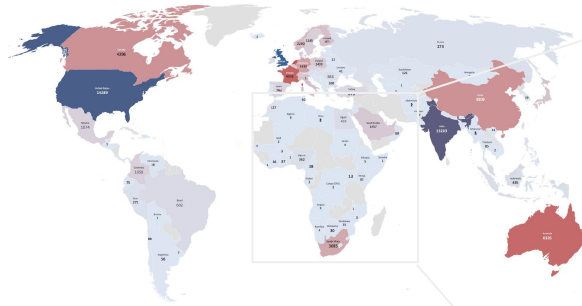
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Active Learning Studies



TOGAF Certifications Worldwide



1 Year ago: 112 776
 2 Year ago: 102,561
 3 Years ago: 92,751
 5 Years ago: 72,250
 7 Years ago: 47,400

October 2022
 123,361 from 168 Countries

UK	16 348
USA	15 380
India	14 536
Netherlands	7 923
France	7 171
Australia	6 934
China	4 928
Canada	4 531
Germany	3 895
South Africa	3 250



Conclusion

The TOGAF® Standard, 10th Edition



- ❑ New modular structure **simplifies navigating and applying the framework**
- ❑ Greater **guidance for business strategy** needs including **Agile**
- ❑ Applying the TOGAF framework alongside its comprehensive fundamental knowledge base will make it possible to release additional material frequently while maintaining continuity and stability in its fundamental content
- ❑ TOGAF Product Management and a broader Digital Portfolio Work Group...driving **consistency and convergence across standards.**
- ❑ Opportunity for greater African Regional participation...

How to Provide Feedback?

You can report a bug or provide feedback on a page by clicking the images shown below.



***“Doing architecture is like spelling
‘banana’ – the trick is knowing when to
stop.”***

DECnet Phase V Management Architecture Team



Leonard Fehskens
1947-2017

VP, Skills and
Capabilities

The Open Group

Thank You!

