The Open Group® Certification for People: Credentials Program

TOGAF® Essentials 2018 Conformance Requirements

Version 1.0
April 2018

The Open Group® Certification for People: Credentials Program
TOGAF® Essentials 2018 Conformance Requirements

Contents

1. Introduction

This document, the TOGAF Essentials 2018 Conformance Requirements, is an integral part of The Open Group® Certification for People: Credentials Program (the Program).

This document defines the requirements for issuance of credentials to individuals within the Program, which in turn form the learning requirements for Accredited Training Courses.

1.1 Terminology and Definitions

This table defines terms or clarifies the meaning of words used within this document. Where an acronym is also used, it is provided in parentheses.

Accredited Training Course (ATC)	A training course, operated by a training course provider, that has successfully completed the accreditation process and which is listed in the register of Accredited Training Courses on the Certification Authority's website.
Body of Knowledge (BoK)	The set of information within the subject area that a Candidate is expected to have understanding of in order to earn the credential within the Program.
Candidate	A person seeking to earn the credential.
Certification Authority	The organization that manages the day-to-day operations of the Program. The Open Group is the Certification Authority for the Program.
Credential	Recognition of an achievement earned by a Candidate. A credential is backed by metadata providing detailed information about it. A credential is earned by passing an Indicator of Compliance.
Indicator of Compliance	The assessment used to determine if a Candidate has met the criteria to earn the credential.
Key Learning Point (KLP)	A self-contained learning objective, derived from the Body of Knowledge with a unique reference, typically ranging from 2 to 15 minutes' study time.
Learning Outcome	What the Candidate should know, understand, or be able to do on completion of learning about one or more Key Learning Points. Each Learning Outcome should have at least one Key Learning Point reference and define the depth of knowledge required for each Key Learning Point.
Learning Unit	A related set of Learning Outcomes. It is expected that a Learning Unit would equate to between 30 and 90 minutes of taught learning equivalence.

2.   Conformance Terminology

The Conformance Requirements are specified as sets of Learning Units. To earn a credential, Candidates are required to complete the applicable Learning Units and successfully pass the corresponding Indicator of Compliance (see Section 4).

The definition of the Learning Units does not dictate the structure, order, or time duration that topics should be taught in an Accredited Training Course. Training organizations are free to structure their courses as they see fit, so long as Candidates have the mandatory Learning Outcomes at the end of a course for the target credential.

2.1   Learning Unit Format

Each Learning Unit is defined in a table organized as follows:

UNIT Number	Unit Name – A descriptive name for the Learning Unit
Purpose	A succinct statement of the purpose of the Learning Unit, including a high-level Learning Outcome.
KLP Reference	A reference back to the Key Learning Point reference in the mapping to the Body of Knowledge, as detailed in Section 5. **This is required for traceability.**
Learning Outcome	**Candidate Learning Outcome Statement** A statement of what the Candidate is expected to have learned by completing the Learning Unit. A specific term is used to define the depth of learning, from low to high as follows: **Identify** – name one or more items **List** – name multiple items **Understand** – an understanding of the concept or item **Define** – provide a definition of a term **Demonstrate** – describe and explain a concept or term **Describe/State** – provide a description of or statement for a concept or item; give a factual statement **Explain** – provide a description with a rationale **Discuss** – the ability to write logically about a topic **Justify** – demonstrate the correctness of an assertion through a written discussion

3. Conformance Requirements

To earn this credential Candidates must complete all Learning Units defined in this section and successfully pass the corresponding Indicator of Compliance (see Section 4).

3.1 Structural Changes

UNIT 1	Structural Changes
Purpose	The purpose of this Learning Unit is to help the Candidate understand changes to the structure of the TOGAF standard and the importance of the TOGAF Library.
KLP Reference	C182 Chapter 1, W156, The TOGAF Library

Learning Outcome	The Candidate must be able to:
	1. Briefly describe the ecosystem around the TOGAF standard
	2. Describe the differences in the document structure between the TOGAF Standard, Version 9.2 and Version 9.1
	3. Briefly describe the major changes between the TOGAF Standard, Version 9.2 and Version 9.1
	4. Explain the structure of the TOGAF Library:
	   o TOGAF Standard (the core of the TOGAF ecosystem)
	   o Guides (how they support the standard)
	   o White Papers
	5. Explain how to make use of the TOGAF Library, including
	   o Use of the Enterprise Continuum to find relevant materials
	   o How to locate guidance on different architectural styles
	6. Briefly describe the objectives, context, and applicability of the following supporting guides:
	   o TOGAF® Series Guide: Business Scenarios
	   o TOGAF® Series Guide: The TOGAF Integrated Information Infrastructure Reference Model (III- RM): An Architected Approach to Boundaryless Information Flow™
	   o TOGAF® Series Guide: The TOGAF Technical Reference Model (TRM)
	   o TOGAF® Series Guide: Using the TOGAF® Framework to Define and Govern Service-Oriented Architectures
	   o TOGAF® Series Guide: Value Streams
	   o Integrating Risk and Security within a TOGAF® Enterprise Architecture, an Open Group Guide
	   o TOGAF® Series Guide: The TOGAF® Leader's Guide to Establishing and Evolving an EA Capability
	   o Business Capabilities, an Open Group Guide
	   o TOGAF® Series Guide: A Practitioners' Approach to Developing Enterprise Architecture Following the TOGAF® ADM

3.2 Business Architecture

UNIT 2	Business Architecture
Purpose	The purpose of this Learning Unit is to help the Candidate understand the additions to the Business Architecture domain in the TOGAF Standard, Version 9.2.

UNIT 2	Business Architecture
KLP Reference	C182 Chapters 6, 7, 31

Learning Outcome	1. Explain the additions and changes to the ADM Phase A, including:
	   o The revised approach for creating the Architecture Vision
	   o The revised steps "Evaluate Capabilities" and "Develop Architecture Vision"
	   o References to the Business Capabilities and Value Streams Guides
	2. Explain the additions and changes to ADM Phase B, including:
	   o The revised steps for the modeling process
	   o The revised approach for Business Architecture development (Developing the baseline; Applying Business Capabilities, Value Streams, Organization Maps)
	3. Describe the new Business Architecture artifacts:
	   o Catalogs:
	      ▪ Value Stream catalog
	      ▪ Business Capabilities catalog
	      ▪ Value Stream Stages catalog
	   o Matrices:
	      ▪ Value Stream/Capability matrix
	      ▪ Strategy/Capability matrix
	      ▪ Capability/Organization matrix
	   o Diagrams:
	      ▪ Business Model diagram
	      ▪ Business Capability Map
	      ▪ Value Stream Map
	      ▪ Organization Map

3.3 ISO/IEC/IEEE 42010:2011 Alignment

UNIT 3	ISO/IEC/IEEE 42010:2011 Alignment
Purpose	The purpose of this Learning Unit is to help the Candidate understand changes introduced in ISO/IEC/IEEE 42010:2011 and the consequent changes to the TOGAF Standard, Version 9.2.
KLP Reference	C182 Chapter 31
Learning Outcome	1. Explain the changes introduced to the ISO/IEC/IEEE 42010:2011 conceptual model in the current version 2. Explain how the TOGAF Standard, Version 9.2 relates to the 42010 standard

3.4 TOGAF Content Framework

UNIT 4	TOGAF Content Framework
Purpose	The purpose of this Learning Unit is to help the Candidate understand changes to the TOGAF Content Framework and Metamodel
KLP Reference	C182 Chapters 29, 30

UNIT 4	TOGAF Content Framework

Learning Outcome	1. Explain changes to the TOGAF Content Framework and Metamodel introduced in the TOGAF Standard, Version 9.2:
	   o Business Architecture changes to entities and relationships (Business Capability, Value Stream, Course of Action)
	   o Consistency of Data/Application/Technology Architecture areas
	   o Changes to the Location entity and its relationships

3.5 Security Architecture Changes

UNIT 5	Security Architecture Changes
Purpose	The purpose of this Learning Unit is to help the Candidate understand the changes to the security considerations that need to be addressed during application of the ADM.
KLP Reference	G152 Sections 1.1, 1.2, Chapters 4, 5
Learning Outcome	1. Briefly explain Enterprise Security Architecture 2. Explain how security is a cross-cutting concern 3. Briefly explain the recommended security adaptations to the ADM

3.6 Other Changes

UNIT 6	Other Changes
Purpose	The purpose of this Learning Unit is to help the Candidate understand other significant changes made in TOGAF Standard, Version 9.2.
KLP Reference	C182 Chapters 5, 7, 8, 9, 10, 11, 12, 37
Learning Outcome	1. Explain the revised Step "Develop Strategy & Implementation Plans for Tools & Techniques" in the Preliminary Phase 2. Describe the changes to the Objectives statements in Phases B, C, and D 3. Describe the additional Objective statement in Phase E 4. Explain changes to the Architecture Repository

3.7 Definitions

UNIT 7	Definitions
Purpose	The purpose of this Learning Unit is to help the Candidate understand changes to the defined terms in the TOGAF Standard, Version 9.2.
KLP Reference	C182 Chapter 3

UNIT 7	Definitions
Learning Outcome	1. Understand that defined terms changed in the TOGAF standard 2. Understand the usage of new and revised terms and definitions in the TOGAF standard The following new terms are added: • Application Component, Architecture Model, Business Capability, Business Model, Course of Action, Information System Service, Model Kind, Organization Map, Service, Service Portfolio, Technology Component, Technology Service, Value Stream, Viewpoint Library The following terms are deleted: • Application Platform Interface, Constraint, Methodology, Model, Performance Management, Platform The following terms are revised: • Actor, Architecture Domain, Architectural Style, Architecture, Architecture Development Method, Architecture Framework, Architecture Governance, Boundaryless Information Flow, Building Block, Business Architecture, Concern, Service Orientation, Service-Oriented Architecture, Stakeholder, Technology Architecture • View and Viewpoint are renamed to Architecture View and Architecture Viewpoint • Concerns is renamed to Concern

3.8 The TOGAF Credentials Program Overview

UNIT 8	TOGAF Credentials Program Overview
Purpose	The purpose of this Learning Unit is to help the Candidate understand the TOGAF Credentials Program.
KLP Reference	None.
Learning Outcome	The Candidate must be able to: 1. Explain the TOGAF Credentials Program.

4. Indicators of Compliance

The Indicator of Compliance for this credential is The Open Group TOGAF Essentials 2018 assessment.

The description of the assessment is maintained by the Certification Authority and displayed on The Open Group website. This includes a description of the assessment type (for example, simple multiple-choice, complex scenario, etc.), the number of questions, the duration, supervision requirements, whether an assessment is open book, the pass score, the language(s) in which the assessment is offered, and the pre-requisites for taking the assessment.

5. Key Learning Point Mapping to the Body of Knowledge

This section defines the Body of Knowledge for this credential. It provides the list of documents from which Key Learning Points are derived, together with a Document Reference (usually the document number).

Each Key Learning Point has a unique reference relating to the section of the Body of Knowledge.

5.1 Documents Comprising the Body of Knowledge

Document Reference	Document Title
C182	The TOGAF® Standard, Version 9.2, a standard of The Open Group, April 2018 (C182); refer to www.opengroup.org/library/c182
G176	TOGAF® Series Guide: Business Scenarios, September 2017 (G176), published by The Open Group; refer to www.opengroup.org/library/g176
G179	TOGAF® Series Guide: The TOGAF Integrated Information Infrastructure Reference Model (III- RM): An Architected Approach to Boundaryless Information Flow™, November 2017 (G179), published by The Open Group; refer to www.opengroup.org/library/g179
G175	TOGAF® Series Guide: The TOGAF Technical Reference Model (TRM), September 2017 (G175), published by The Open Group; refer to www.opengroup.org/library/g175
G152	Integrating Risk and Security within a TOGAF® Enterprise Architecture, an Open Group Guide, January 2016 (G152), published by The Open Group; refer to www.opengroup.org/library/g152
G184	TOGAF® Series Guide: The TOGAF® Leader's Guide to Establishing and Evolving an EA Capability, February 2018 (G184), published by The Open Group; refer to www.opengroup.org/library/g184
G161	Business Capabilities, an Open Group Guide, March 2016 (G161), published by The Open Group; refer to www.opengroup.org/library/g161
G186	TOGAF® Series Guide: A Practitioners' Approach to Developing Enterprise Architecture Following the TOGAF® ADM; refer to: www.opengroup.org/library/g186
W156	Promoting and Protecting the TOGAF® Ecosystem, September 2015 (W156), published by The Open Group; refer to www.opengroup.org/library/w156
The TOGAF Library	The TOGAF Library; refer to http://publications.opengroup.org/togaf-library