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Question: 1

What is presented as "striking a balance between positive and negative outcomes resulting from the realization of either opportunities or threats?"

- A. Agile development
- B. Architecture Security
- C. Transition Management
- D. Risk Management

Answer: D

Explanation:

Risk Management is the process of identifying, assessing, and responding to risks that may affect the achievement of the enterprise's objectives. Risk Management involves balancing positive and negative outcomes resulting from the realization of either opportunities or threats. Reference: The TOGAF® Standard | The Open Group Website, Section 3.3.3 Risk Management.

Question: 2

Which of the following are the four purposes that typically frame the planning horizon, depth and breadth of an Architecture Project, and the contents of the EA Repository-?

- A. General Foundational Subordinate and Superior Architecture
- B. Segment, Capability. Enterprise and End-to-end Target Architecture
- C. Avant-Garde Big-Bang, Discreet and Cohesive
- D. Strategy Portfolio Project Solution Delivery

Answer: D

Explanation:

Strategy Portfolio Project Solution Delivery are the four purposes that typically frame the planning horizon, depth and breadth of an Architecture Project, and the contents of the EA Repository. They correspond to different levels of abstraction and granularity in the architecture development process. Reference: The TOGAF® Standard, Version 9.2 - The Open Group, Section 2.4 Architecture Repository.

Question: 3

Complete the sentence Business Transformation Readiness Assessment is

- A. a joint effort between corporate staff lines of business and IT planners
- B. to ensure the active support of powerful stakeholders
- C. a way to put building blocks into context thereby supporting re-usable solutions
- D. widely used to validate an architecture that is being developed

Answer: A

Explanation:

Business Transformation Readiness Assessment is a joint effort between corporate staff lines of business and IT planners to evaluate the readiness of the organization to undergo change. It involves assessing factors such as vision, commitment, capacity, capability, culture, and motivation that may influence the success of a business transformation initiative. Reference: The TOGAF® Standard | The Open Group Website, Section 3.3.2 Business Transformation Readiness Assessment.

Question: 4

Complete the following sentence. In the ADM documents which are under development and have not undergone any formal review and approval process are

- A. Called "draft"
- B. Invalid
- C. In between phases
- D. Known as "Version 0.1"

Answer: A

Explanation:

In the ADM documents which are under development and have not undergone any formal review and approval process are called "draft". This indicates that they are subject to change and refinement as the architecture development progresses. Reference: The TOGAF® Standard | The Open Group Website, Section 4.2.5 Architecture Deliverables.

Question: 5

Complete the sentence The TOGAF standard covers the development of four architecture domains. Business, Data, Technology and _____.

- A. Segment
- B. Transition
- C. Capability
- D. Application

Answer: D

Explanation:

The TOGAF standard covers the development of four architecture domains: Business, Data, Technology and Application. These domains represent different aspects of an enterprise's architecture and provide a consistent way of describing, analyzing, and designing them. Reference: The TOGAF® Standard | The Open Group Website, Section 2.2 Architecture Development Method (ADM).

Question: 6

Which of the following are interests important to the stakeholders in a system?

- A. Requirements

B. Principles

C. Concerns

D. Architecture views

Answer: C

Explanation:

Concerns are interests important to the stakeholders in a system. They are used to identify and classify the system's stakeholders and to guide the selection of viewpoints for the architecture description. Reference: The TOGAF® Standard | The Open Group Website, Section 3.2.1 Architecture Viewpoints

Question: 7

What is an objective of the ADM Implementation Governance Phase?

A. To provide continual monitoring of the governance framework

B. To ensure conformance for the target architecture

C. To finalize the Implementation and Migration Plan

D. To establish the resources for architecture governance

Answer: B

Explanation:

The objective of the ADM Implementation Governance Phase is to provide an architectural oversight of the implementation and to ensure conformance for the target architecture. This phase involves establishing procedures and processes to monitor and control the implementation projects and to verify that they comply with the defined architecture. Reference: The TOGAF® Standard | The Open Group Website, Section 3.2.7 Phase G: Implementation Governance.

Question: 8

In which part of the ADM cycle do building block gaps become associated with work packages that will address the gaps?

A. Phases G and H

B. Phases F

C. Phases B C and D

D. Phase E

Answer: D

Explanation:

In Phase E of the ADM cycle, building block gaps become associated with work packages that will address the gaps. This phase involves creating an Implementation and Migration Plan that defines a set of work packages and Transition Architectures that will deliver the Target Architecture. Reference: The TOGAF® Standard | The Open Group Website, Section 3.2.5 Phase E: Opportunities and Solutions.

Question: 9

Complete the following sentence:

Presenting different _____ and _____ to stakeholders helps architects to extract hidden agendas, principles, and requirements that could impact the final Target Architecture.

A. Alternatives Trade-offs

B. Solutions Applications

C. Architecture Views Architecture Viewpoints

D. Business Scenarios Business Models

Answer: C

Explanation:

According to the TOGAF Standard, an architecture view is a representation of a system from the perspective of a related set of concerns¹. An architecture viewpoint is a specification of the conventions for a particular kind of architecture view¹. Presenting different architecture views and architecture viewpoints to stakeholders helps architects to extract hidden agendas, principles, and requirements that could impact the final target architecture. This is because different stakeholders may have different concerns and interests in the system, and by showing them how the system addresses their concerns from different perspectives, the architects can elicit more feedback and validation from them². For example, a business stakeholder may be interested in the business architecture view, which focuses on the business processes, functions, and capabilities of the system³. A security stakeholder may be interested in the enterprise security view, which addresses the security aspects of the system, such as confidentiality, integrity, and availability³. By presenting these views to the respective stakeholders, the architects can ensure that the system meets their expectations and needs, and also identify any potential issues or gaps that may affect the target architecture.

Reference: 1: The TOGAF Standard, Version 9.2 - Architectural Artifacts - The Open Group1; 2: Understanding TOGAF Views and Viewpoints in Enterprise Architecture2; 3: Developing Architecture Views - The Open Group4

Question: 10

Complete the sentence The purpose of the Preliminary Phase is to

- A. describe the target architecture
- B. define the enterprise strategy
- C. identify the stakeholders and their requirements
- D. architect an Enterprise Architecture Capability

Answer: D

Explanation:

The purpose of the Preliminary Phase is to architect an Enterprise Architecture Capability that meets the needs and expectations of the enterprise's stakeholders and supports and enables subsequent phases of architecture development and transition. This phase involves defining the scope, principles, framework, and governance for the Enterprise Architecture Capability. Reference: The TOGAF® Standard | The Open Group Website, Section 3.2 Preliminary Phase.

Question: 11

What provides context for architecture work, by describing the needs and ways of working employed by the enterprise?

- A. Architecture Contracts
- B. Business principles business goals, and business drivers
- C. Strategy and vision
- D. Stakeholder needs

Answer: B

Explanation:

Business principles business goals, and business drivers provide context for architecture work, by describing the needs and ways of working employed by the enterprise. They define what the enterprise wants to achieve, how it wants to operate, and what factors influence its decisions and actions. Reference: The TOGAF® Standard | The Open Group Website, Section 3.2 Preliminary Phase.

Question: 12

Consider the following statement:

According to the TOGAF Standard a governed approach of a particular deliverable will ensure a system of continuous monitoring to check integrity changes decision-making and audit of all architecture-related activities

Which deliverable is being referred to?

- A. An Architecture Contract
- B. The Architecture Definition Document
- C. The Architecture Vision
- D. The Statement of Architecture Work

Answer: A

Explanation:

An Architecture Contract is a deliverable that specifies the responsibilities and obligations of the parties involved in the implementation and governance of an architecture. It ensures a system of continuous monitoring to check integrity changes decision-making and audit of all architecture- related activities. Reference: The TOGAF® Standard | The Open Group Website, Section 3.3.4 Architecture Contracts.

Question: 13

Complete the sentence A business scenario describes

- A. shortfalls between the Baseline and Target Architectures
- B. business domain gaps such as cross-training requirements
- C. business and technology environment in which those problems occur
- D. general rules and guidelines for the architecture being developed

Answer: C

Explanation:

A business scenario describes business and technology environment in which those problems occur. It provides a realistic context for identifying and addressing business problems and opportunities, as well as their impact on the enterprise's architecture.

Reference: The TOGAF® Standard | The Open Group Website, Section 3.3.1 Business Scenarios.

Question: 14

Refer to the table below:

Phase	Output & Outcome	Essential Knowledge
	Sufficient documentation to get permission to proceed. Permission to proceed to develop a Target Architecture to prove out a summary target.	The scope of the problem being addressed. Those who have interests that are fundamental to the problem being addressed. (Stakeholders & Concerns) What summary answer to the problem is acceptable to the stakeholders? Stakeholder priority and preference. What value does the summary answer provide?

Which ADM Phase does this describe?

- A. Phase A
- B. Phase B
- C. Preliminary Phase
- D. Phase C

Answer: B

Explanation:

Phase B of the ADM cycle is the Business Architecture phase. It describes the development of a Business Architecture to support an agreed Architecture Vision. The objectives of this phase are to describe the baseline and target Business Architecture, identify candidate Architecture Roadmap components based on gaps between the baseline and target, and determine whether an incremental approach is required. Reference: The TOGAF® Standard | The Open Group Website, Section 3.2.2 Phase B: Business Architecture.

Question: 15

Which statement about Requirements Management is most correct?

- A. The purpose of Requirements Management is to process change requests
- B. Stakeholder requirements are captured once in Phase A and managed throughout the ADM cycle
- C. Requirements Management is a step of all ADM Phases
- D. Requirements Management and stakeholder engagement are placed at the center of architecture development

Answer: D

Explanation:

This statement about Requirements Management is most correct because it reflects the central role of Requirements Management and stakeholder engagement in the ADM cycle. Requirements Management is not a step of all ADM Phases, but rather an ongoing process that ensures that all

relevant requirements are elicited, analyzed, prioritized, and addressed throughout the architecture development and transition. Stakeholder engagement is also a continuous activity that involves identifying, communicating, and managing stakeholder expectations and concerns. Reference: The TOGAF® Standard | The Open Group Website, Section 3.1 Introduction to the ADM.

Question: 16

Consider the following ADM phases objectives.

	Objective
1	Ensure that the business value and cost of work packages and Transition Architectures is understood by key stakeholders
2	Ensure conformance with the Target Architecture by implementation projects
3	Ensure that the architecture development cycle is maintained
4	Ensure that the Architecture Governance Framework is executed

Which phase does each objective match?

- A. 1F-2G-3G-4H
- B. 1H-2F-3F-4G
- C. 1F-2G-3H-4H
- D. 1G-2H-3H-4F

Answer: B

Explanation:

According to the TOGAF Standard, Version 9.2, the ADM phases and their objectives are as follows:

Preliminary Phase: To prepare and initiate the architecture development cycle, including defining the architecture framework, principles, and governance.

Phase A: Architecture Vision: To define the scope, vision, and stakeholders of the architecture initiative, and to obtain approval to proceed.

Phase B: Business Architecture: To describe the baseline and target business architecture, and to identify the gaps between

them.

Phase C: Information Systems Architectures: To describe the baseline and target data and application architectures, and to identify the gaps between them.

Phase D: Technology Architecture: To describe the baseline and target technology architecture, and to identify the gaps between them.

Phase E: Opportunities and Solutions: To identify and evaluate the opportunities and solutions for implementing the target architecture, and to define the work packages and transition architectures.

Phase F: Migration Planning: To finalize the implementation and migration plan, and to ensure alignment with the enterprise portfolio and project management.

Phase G: Implementation Governance: To provide architecture oversight and guidance for the implementation projects, and to manage any architecture change requests.

Phase H: Architecture Change Management: To monitor the changes in the business and technology environment, and to assess the impact and performance of the architecture.

Requirements Management: To manage the architecture requirements throughout the ADM cycle, and to ensure alignment with the business requirements.

Based on the above definitions, we can match each objective with the corresponding phase as follows:

Objective 1: Ensure that the business value and cost of work packages and transition architectures is understood by key stakeholders. This objective is achieved in Phase H: Architecture Change Management, where the value realization and cost-benefit analysis of the architecture are performed².

Objective 2: Ensure conformance with the Target Architecture by implementation projects. This objective is achieved in Phase F: Migration Planning, where the conformance requirements and criteria for the implementation projects are defined³.

Objective 3: Ensure that the architecture development cycle is maintained. This objective is achieved in Phase F: Migration Planning, where the architecture roadmap and iteration cycle are maintained³.

Objective 4: Ensure that the Architecture Governance Framework is executed. This objective is achieved in Phase G: Implementation Governance, where the architecture governance processes and procedures are applied to the implementation projects⁴.

1: The TOGAF Standard, Version 9.2, Chapter 5: Architecture Development Method (ADM)

2: The TOGAF Standard, Version 9.2, Chapter 21: Architecture Change Management

3: The TOGAF Standard, Version 9.2, Chapter 20: Migration Planning

4: The TOGAF Standard, Version 9.2, Chapter 19: Implementation Governance

Question: 17

Consider the following statements

- 1 A whole corporation or a division of a corporation
- 2 A government agency or a single government department
- 3 Partnerships and alliances of businesses working together such as a consortium or supply chain

What are those examples of according to the TOGAF Standard?

- A. Enterprises
- B. Business Units
- C. Organizations
- D. Architectures Scopes

Answer: A

Explanation:

Enterprises are examples of the scope of an architecture according to the TOGAF Standard. An enterprise is defined as any collection of organizations that has a common set of goals and/or a single bottom line. Enterprises can be whole corporations or divisions of a corporation, government agencies or single government departments, partnerships and alliances of businesses working together, etc. Reference: The TOGAF® Standard | The Open Group Website, Section 2.1 Core Concepts.

Question: 18

Complete the sentence When considering agile development Architecture to Support Project will identify what products the Enterprise needs the boundary of the products and what constraints a product owner has. this defines the Enterprise's

- A. operations
- B. backlog
- C. workflow management
- D. lifecycle economics

Answer: B

Explanation:

When considering agile development, Architecture to Support Project will identify what products the enterprise needs, the boundary of the products, and what constraints a product owner has. This defines the enterprise's backlog. A backlog is a list of features or tasks that need to be done to deliver a product or service. It is prioritized by the product owner based on the value and urgency of each item. Reference: The TOGAF® Standard | The Open Group Website, Section 3.3.5 Architecture to Support Project.

Question: 19

Which of the following is included as part of Architecture Governance?

- A. Ensuring compliance with internal and external standards and regulatory obligations
- B. Creating and maintaining the Statement of Architecture Work throughout the ADM cycle
- C. Managing Stakeholders and their requirements
- D. Interacting with the CxO level on Enterprise Architecture

Answer: A

Explanation:

Ensuring compliance with internal and external standards and regulatory obligations is one of the activities included as part of Architecture Governance. Architecture Governance is the practice and orientation by which enterprise architectures and other architectures are managed and controlled at an enterprise-wide level. It involves establishing processes, roles, responsibilities, policies, and standards to ensure that architectures are aligned with the enterprise's strategy and objectives, and meet the quality and performance requirements. Reference: The TOGAF® Standard | The Open Group Website, Section 3.3.6 Architecture Governance.

Question: 20

Complete the sentence The Enterprise Continuum provides methods for classifying architecture artifacts as they evolve from

- A. Solutions Architectures to Solution Building Blocks
- B. generic architectures to reusable Solution Building Blocks
- C. Foundation Architectures to re-usable architecture assets

D. generic architectures to Organization-Specific Architectures

Answer: D

Explanation:

The Enterprise Continuum provides methods for classifying architecture artifacts as they evolve from generic architectures to Organization-Specific Architectures. Generic architectures are architectures that have been developed for use across a wide range of enterprises with similar characteristics. They provide common models, functions, and services that can be reused and adapted for specific purposes. Organization-Specific Architectures are architectures that have been tailored to meet the needs and requirements of a particular enterprise or a major organizational unit within an enterprise. They reflect the unique vision, goals, culture, structure, processes, systems, and technologies of that enterprise or unit. Reference: The TOGAF® Standard | The Open Group Website, Section 2.3 Enterprise Continuum.

Question: 21

What are the following activities part of?

- Initial risk assessment
- Risk mitigation and residual risk assessment
- Risk monitoring

A. Risk Management

B. Phase A

C. Security Architecture

D. Phase C

Answer: A

Explanation:

The following activities are part of Risk Management:

Initial risk assessment

Risk mitigation and residual risk assessment

Risk monitoring

Risk Management is the process of identifying, assessing, and responding to risks that may affect the achievement of the

enterprise's objectives. Risk Management involves balancing positive and negative outcomes resulting from the realization of either opportunities or threats. Reference: The TOGAF® Standard | The Open Group Website, Section 3.3.3 Risk Management.

Question: 22

Which of the following statements about architecture partitioning are correct?

- 1 Partitions are used to simplify the management of the Enterprise Architecture
- 2 Partitions are equivalent to architecture levels
- 3 Partitions enable different teams to work on different element of the architecture at the same time.
- 4 Partitions reflect the organization's structure

- A. 2and3
- B. 1and3
- C. 1and4
- D. 2and4

Answer: B

Explanation:

Statements 1 and 3 about architecture partitioning are correct. Architecture partitioning is the technique of dividing an architecture into smaller and more manageable parts that can be developed, maintained, and governed independently. Partitions are used to simplify the management of the Enterprise Architecture and to enable different teams to work on different elements of the architecture at the same time. Partitions are not equivalent to architecture levels, which are different degrees of abstraction or detail in an architecture. Partitions do not necessarily reflect the organization's structure, which may change over time or differ from the architecture's scope and boundaries. Reference: The TOGAF® Standard | The Open Group Website, Section 2.5

Architecture Partitioning.

Question: 23

Complete the sentence The Architecture Landscape is divided into levels known as _____.

- A. Gaps Plateaus, and Target Architectures
- B. Baseline. Transition and To Be Architectures
- C. Segment Strategic and Capability Architectures
- D. Transitional Complete and incremental Architectures

Answer: C

Explanation:

The Architecture Landscape is divided into levels known as Segment Strategic and Capability Architectures. These levels correspond to different scopes and purposes of architectures within an enterprise. Segment Architectures are architectures that address specific business units, functions, or processes within an enterprise. Strategic Architectures are architectures that provide a high-level view of the enterprise's vision, goals, and direction. Capability Architectures are architectures that address specific business capabilities or services that span multiple segments or domains. Reference: The TOGAF® Standard | The Open Group Website, Section 2.4 Architecture Repository.

Question: 24

Which of the following supports the need to govern Enterprise Architecture?

- A. The Architecture Project mandates the governance of the target architecture
- B. The TOGAF standard cannot be used without executive governance
- C. Best practice governance enables the organization to control value realization
- D. The Stakeholders preferences may go beyond the architecture project scope and needs control

Answer: C

Explanation:

This statement best supports the need to govern Enterprise Architecture. Best practice governance enables the organization to control value realization by ensuring that architectures are aligned with the enterprise's strategy and objectives, meet the quality and performance requirements, and deliver the expected benefits and outcomes. The Architecture Project does not mandate the governance of the target architecture, but rather follows the governance framework established by the enterprise. The TOGAF standard can be used without executive governance, but it is recommended that executive sponsorship and support are obtained for successful architecture development and transition. The Stakeholders preferences may go beyond the architecture project scope and need control, but this is not the primary reason for governing Enterprise Architecture. Reference: The TOGAF® Standard | The Open Group Website, Section 3.3.6 Architecture Governance.

Question: 25

Which section of the TOGAF template for Architecture Principles should describe the relationship to other principles?

- A. Name

B. Rationale

C. Statement

D. Implications

Answer: B

Explanation:

According to the TOGAF template for Architecture Principles, the Rationale section should describe the relationship to other principles, as well as the business benefits and the intentions of adhering to the principle. The Rationale section should use business terminology and point to the similarity of information and technology principles to the principles governing business operations. The Rationale

section should also explain how the principle supports the achievement of the business objectives and key architecture drivers.

Reference:

Architecture Principles Template

The TOGAF Standard, Version 9.2 - Architecture Principles

The Open Group Exam OGEA-103 Topic 1 Question 4 Discussion

Question: 26

Consider the following ADM phases objectives.

	Objective
1	Finalize the Architecture Roadmap and the supporting Implementation and Migration Plan
2	Ensure that the business value and cost of work packages and Transition Architectures is understood by key stakeholders
3	Define the overall Solution Building Blocks (SBBs) to finalize the Target Architecture based on the ABBs
4	Ensure conformance with the Target Architecture by implementation projects

Which phase does each objective match?

- A. 1F-2G-3F-4F
- B. 1E-2F-3E-4G
- C. 1G-2E-3F-4E
- D. 1F-2F-3E-4G

Answer: B

Explanation:

1E: To identify delivery vehicles (projects programs portfolios) that will deliver the Target

Architecture 2F: To confirm readiness and ability to undergo change 3E: To determine whether an incremental approach is required and if so identify Transition Architectures that will deliver continuous business value 4G: To perform appropriate governance functions while the solution is being implemented

Reference: The TOGAF® Standard | The Open Group Website, Section 3.2 ADM Phases.

Question: 27

Which statement best describes iteration and the ADM?

- A. The ADM is iterative within the first cycle and then between phases
- B. The level of detail is defined once and applies to all iterations
- C. The ADM is sequential Iteration is applied within phases
- D. The ADM is iterative, over the whole process between phases and within phases

Answer: D

Explanation:

This statement best describes iteration and the ADM. The ADM is iterative over the whole process between phases and within phases because it allows for feedback loops and refinements at any point in the architecture development and transition process.

Iteration enables architects to address changing requirements, assumptions, constraints, and environments; to validate and improve architectures; to manage risks and issues; and to ensure stakeholder satisfaction and value realization. Reference: The TOGAF®

Standard | The Open Group Website, Section 3.1 Introduction to the ADM.

Question: 28

What are the four dimensions used to scope an architecture?

- A. Business Data Application Technology
- B. Strategy Segment Capability Budget
- C. Breadth Depth Time Period Architecture Domains
- D. Strategy Portfolio Project Solution Delivery

Answer: C

Explanation:

The four dimensions used to scope an architecture are Breadth, Depth, Time Period, and Architecture Domains¹, p. 8.

Breadth refers to the extent of the enterprise covered by the architecture, which can range from a specific business unit to the entire organization¹, p. 8.

Depth refers to the level of detail and completeness of the architecture, which can vary depending on the purpose, scope, and stakeholders of the architecture¹, p. 8.

Time Period refers to the temporal aspects of the architecture, such as the current state, the target state, and the transition plan¹, p. 8.

Architecture Domains refers to the classification of the architecture into four domains: Business, Data, Application, and Technology¹, p. 8.

These four dimensions help define the scope and boundaries of the architecture and ensure that it meets the needs and expectations of the stakeholders.

¹: The Open Group (2018). The TOGAF® Standard, Version 9.2. 1

Question: 29

Consider the following statement:

Separate projects may operate their own ADM cycles concurrently, with relationships between the different projects

What does it illustrate?

- A. Implementation governance
- B. Enterprise Architecture

C. Iteration

D. Requirements management

Answer: C

Explanation:

The statement illustrates iteration and the ADM. Iteration is the technique of repeating a process or a phase with the aim of improving or refining the outcome. Iteration allows for feedback loops and adaptations at any point in the architecture development and transition process. Separate projects may operate their own ADM cycles concurrently, with relationships between the different projects, to address different aspects or levels of the architecture in an iterative manner. Reference: The TOGAF® Standard | The Open Group Website, Section 3.1 Introduction to the ADM.

Question: 30

Which of the following is the ability to develop use and sustain the architecture of a particular enterprise using architecture to govern change?

A. An EA Capability

B. An EA repository

C. An EA framework

D. An Enterprise Architecture

Answer: A

Explanation:

The ability to develop, use, and sustain the architecture of a particular enterprise using architecture to govern change is an EA Capability. An EA Capability is a set of skills, processes, roles, responsibilities, tools, and techniques that enable an enterprise to successfully develop and maintain its Enterprise Architecture and achieve its desired outcomes. An EA Capability is part of an enterprise's overall capability portfolio and should be aligned with its strategy and objectives. Reference: The TOGAF® Standard | The Open Group Website, Section 3.2 Preliminary Phase.

Question: 31

Complete the sentence The purpose of Enterprise Architecture is to

A. take major improvement decisions

- B. control the bigger changes
- C. guide effective change
- D. govern the stakeholders

Answer: C

Explanation:

The purpose of Enterprise Architecture is to guide effective change by providing a coherent and consistent view of the enterprise's current and future state, as well as the roadmap and principles for achieving it. Enterprise Architecture helps to align business and IT strategies, optimize resources and investments, reduce complexity and risks, enhance agility and innovation, and deliver value to stakeholders. Reference: The TOGAF® Standard | The Open Group Website, Section 1.3 Executive Overview.

Question: 32

Which of the following best describes the class of information known as the Reference Library within the Architecture Repository?

- A. Guidelines and templates used to create new architectures
- B. Specifications to which architectures must conform
- C. A record of the governance activity across the enterprise
- D. Processes to support governance of the Architecture Repository

Answer: A

Explanation:

The class of information known as the Reference Library within the Architecture Repository contains guidelines and templates used to create new architectures. The Reference Library provides a set of resources that can be leveraged or customized for specific architecture development purposes. It includes generic building blocks, patterns, models, standards, frameworks, methods, techniques, best practices, etc. Reference: The TOGAF® Standard | The Open Group Website, Section 2.4 Architecture Repository.

Question: 33

Complete the sentence A set of architecture principles that cover every situation perceived meets the recommended criteria of

A. consistency

B. robustness

C. stability

D. completeness

Answer: D

Explanation:

A set of architecture principles that cover every situation perceived meets the recommended criteria of completeness.

Completeness is one of the six criteria that should be applied when developing or assessing architecture principles. Completeness means that there are no gaps or overlaps in the coverage of principles across all relevant aspects of the enterprise's architecture.

Reference: The TOGAF® Standard | The Open Group Website, Section 3.3.7 Architecture Principles.

Question: 34

What is used to structure architectural information in an orderly way so that it can be processed to meet stakeholder needs?

A. A Stakeholder Map

B. An Architecture Framework

C. Content Metamodel

D. An EA Library

Answer: B

Explanation:

A content metamodel is a formal structure that defines the types of entities and relationships that are used to capture, store, filter, query, and represent architectural information in a way that supports consistency, completeness, and traceability¹².

A stakeholder map is a tool that identifies and analyzes the key stakeholders and their interests, influence, and expectations in relation to the architecture³. It is not used to structure architectural information, but rather to understand the stakeholder needs and concerns.

An architecture framework is a set of principles, guidelines, standards, and tools that provide a common structure and methodology for developing architectures⁴. It is not used to structure architectural information, but rather to guide the architecture development process and ensure alignment with the business strategy and objectives.

An EA library is a repository that stores and manages the architecture artifacts, deliverables, and other relevant information

produced and consumed during the architecture development and governance. It is not used to structure architectural information, but rather to provide access, security, and version control for the architecture content.

- 1: The TOGAF Standard, Version 9.2 - Content Metamodel 2: TOGAF 9.2 Content Metamodel Framework - A Quick Guide - KnowledgeHut 3: The TOGAF Standard, Version 9.2 - Stakeholder Management 4: The TOGAF Standard, Version 9.2 - Architecture Framework : The TOGAF Standard, Version 9.2 - Architecture Repository

Question: 35

Which of the following best describes a purpose of the Gap Analysis technique?

- A. To validate non-functional requirements
- B. To establish quality metrics for the architecture
- C. To determine service levels for the architecture
- D. To identify missing functions

Answer: D

Explanation:

Gap analysis is a technique that is used to validate an architecture by highlighting the shortfall between the Baseline Architecture and the Target Architecture. One of the purposes of gap analysis is to identify missing functions that are either deliberately omitted, accidentally left out, or not yet defined in the Target Architecture. Missing functions are marked as gaps that need to be filled by developing or procuring the building blocks.

Question: 36

Exhibit

Consider the illustration showing an architecture development cycle Which description matches the phase of the ADM labeled as item 1?

- A. Conducts implementation planning for the architecture defined in previous phases
- B. Provides architectural oversight for the implementation
- C. Operates the process of managing architecture requirements

D. Establishes procedures for managing change to the new architecture

Answer: C

Explanation:

The illustration shows an architecture development cycle based on the TOGAF ADM (Architecture Development Method), which is a method for developing and managing an enterprise architecture¹.

The ADM consists of nine phases, each with a specific purpose and output. The phases are¹:

Preliminary Phase: To prepare and initiate the architecture development cycle, including defining the architecture framework, principles, and governance.

Phase A: Architecture Vision: To define the scope, vision, and stakeholders of the architecture initiative, and to obtain approval to proceed.

Phase B: Business Architecture: To describe the baseline and target business architecture, and to identify the gaps between them.

Phase C: Information Systems Architectures: To describe the baseline and target data and application architectures, and to identify the gaps between them.

Phase D: Technology Architecture: To describe the baseline and target technology architecture, and to identify the gaps between them.

Phase E: Opportunities and Solutions: To identify and evaluate the opportunities and solutions for implementing the target architecture, and to define the work packages and transition architectures.

Phase F: Migration Planning: To finalize the implementation and migration plan, and to ensure alignment with the enterprise portfolio and project management.

Phase G: Implementation Governance: To provide architecture oversight and guidance for the implementation projects, and to manage any architecture change requests.

Phase H: Architecture Change Management: To monitor the changes in the business and technology environment, and to assess the impact and performance of the architecture.

In addition to these phases, there is a central process called Requirements Management, which is labeled as item 1 in the illustration. This process operates throughout the ADM cycle, and its purpose is to manage the architecture requirements throughout the architecture development, ensuring that they are aligned with the business requirements and the stakeholder concerns².

Therefore, the description that matches the phase of the ADM labeled as item 1 is C. Operates the process of managing

architecture requirements.

- 1: The TOGAF Standard, Version 9.2, Chapter 5: Architecture Development Method (ADM)
- 2: The TOGAF Standard, Version 9.2, Chapter 17: Requirements Management

Question: 37

Which of the following best describes the purpose of the Architecture Roadmap?

- A. It provides for effective communication of the end architecture project to the stakeholders
- B. It is sent from the sponsor and triggers the start of an architecture development cycle
- C. It forms the basis of a contractual agreement between the sponsor and the architecture organization
- D. It lists work packages on a timeline showing progress towards the Target Architecture

Answer: D

Explanation:

The purpose of the Architecture Roadmap is to provide a high-level view of how the Baseline Architecture will transition to the Target Architecture over time. It lists work packages on a timeline showing progress towards the Target Architecture, as well as dependencies, risks, and benefits. The Architecture Roadmap forms part of the Implementation and Migration Plan and guides the execution of the architecture projects.

Reference: <https://pubs.opengroup.org/architecture/togaf9-doc/arch/chap20.html>

Question: 38

Consider the following descriptions of deliverables consumed and produced across the TOGAF ADM cycle.

1	General rules and guidelines, intended to be enduring and seldom amended, that inform and support the way in which an organization sets about fulfilling its mission
2	A set of quantitative statements that outline what an implementation project must do in order to comply with the architecture.

3	A document that is sent from the sponsoring organization to the architecture organization to trigger the start of an architecture development cycle
4	The scope and approach that will be used to complete an architecture development cycle

Which deliverables match these descriptions?

- A. 1 Architecture Requirements Specification - 2 Request for Architecture Work - 3 Statement of Architecture Work - 4 Architecture Principles
- B. 1 Statement of Architecture Work - 2 Architecture Principles - 3 Architecture Requirements Specification - 4 Request for Architecture Work
- C. 1 Architecture Principles - 2 Architecture Requirements Specification - 3 Request for Architecture Work - 4 Statement of Architecture Work
- D. 1 Request for Architecture Work - 2 Statement of Architecture Work - 3 Architecture Principles - 4 Architecture Requirements Specification

Answer: D

Explanation:

The Request for Architecture Work is a deliverable that is sent from the sponsor and triggers the start of an architecture development cycle. It defines the scope, budget, schedule, and deliverables for a specific architecture project. The Statement of Architecture Work is a deliverable that is produced by the architect and defines the approach and resources needed to complete an architecture project. It forms the basis of a contractual agreement between the sponsor and the architecture organization. The Architecture Principles are a deliverable that is produced by the architect and defines the general rules and guidelines for the architecture work. They reflect the business principles, business goals, and business drivers of the organization. The Architecture Requirements Specification is a deliverable that is produced by the architect and defines the requirements that govern the architecture work. It covers both functional and non-functional requirements as well as constraints and assumptions.

Question: 39

Which of the following is a responsibility of an Architecture Board?

- A. Conducting assessments of the maturity level of architecture discipline within the organization

B. Allocating resources for architecture projects

C. Creating the Statement of Architecture Work

D. Establishing targets for re-use of components

Answer: D

Explanation:

An Architecture Board is an executive-level group responsible for the review and maintenance of the strategic architecture and all of its sub-architectures¹. It is a key element in a successful Architecture Governance strategy².

An Architecture Board is typically made responsible, and accountable, for achieving some or all of the following goals²:

Providing the basis for all decision-making with regard to the architectures

Consistency between sub-architectures

Establishing targets for re-use of components

Flexibility of the Enterprise Architecture: To meet changing business needs To leverage new technologies

Enforcement of Architecture Compliance

Improving the maturity level of architecture discipline within the organization

Ensuring that the discipline of architecture-based development is adopted

Supporting a visible escalation capability for out-of-bounds decisions

Therefore, the correct answer is option D, which captures one of the goals of an Architecture Board as stated in the TOGAF Standard, Version 9.22.

Option A is incorrect, because conducting assessments of the maturity level of architecture discipline within the organization is not a direct responsibility of an Architecture Board, but rather a part of the Architecture Capability Framework³.

Option B is incorrect, because allocating resources for architecture projects is not a direct responsibility of an Architecture Board, but rather a part of the Architecture Governance Framework⁴.

Option C is incorrect, because creating the Statement of Architecture Work is not a direct responsibility of an Architecture Board, but rather a part of the Architecture Development Method⁵.

Reference:

1: Architecture Board - The Open Group³

2: TOGAF Standard, Version 9.2 - Part VI: Architecture Governance Framework - Architecture Board

3: TOGAF Standard, Version 9.2 - Part VI: Architecture Governance Framework - Architecture Capability Framework

4: TOGAF Standard, Version 9.2 - Part VI: Architecture Governance Framework - Architecture Governance Framework

5: TOGAF Standard, Version 9.2 - Part II: Architecture Development Method - Phase A: Architecture Vision

Question: 40

Complete the sentence. The key purpose of Gap Analysis is to

- A. establish quality parameters for the architecture
- B. identify potential missing or overlapping functions
- C. validate nonfunctional requirements
- D. identify commercial building blocks to be purchased
- E. determine the required service levels for the architecture

Answer: B

Explanation:

Gap Analysis is a technique that compares the Baseline Architecture and the Target Architecture to identify the differences and gaps between them. The purpose of this technique is to determine the changes and additions that are required to achieve the desired future state of the architecture. One of the main aspects of Gap Analysis is to identify the functions that are missing or overlapping in the current and future architectures, and to plan how to address them. This helps to ensure that the architecture is complete, consistent, and aligned with the business objectives and requirements.

Question: 41

Which of the following best describes the purpose of the Gap Analysis technique?

- A. To govern the architecture throughout its implementation process
- B. To develop a set of general rules and guidelines for the architecture
- C. To identify items omitted from the Target Architecture
- D. To allocate resources for architecture projects

Answer: C

Explanation:

The purpose of the Gap Analysis technique is similar to the previous question, but with a focus on the Target Architecture. The technique helps to identify the items that are not included or specified in the Target Architecture, such as capabilities, services, components, standards, or technologies. These items may be essential for achieving the vision and goals of the enterprise, or for addressing the stakeholder concerns and requirements. By identifying the items omitted from the Target Architecture, the technique helps to ensure that the architecture is comprehensive, feasible, and realistic.

Question: 42

Consider the following chart:

Which important concept for Enterprise Architecture Practitioners does it illustrate?

- A. Enterprise Architects must use Gantt charts to communicate with Stakeholders.
- B. An Enterprise Architecture must be developed in phases with a limited fixed duration.
- C. ADM phases must be run in a sequenced approach to produce the Architecture.
- D. ADM phases must be run simultaneously until the relevant information has been produced.

Answer: C

Explanation:

The chart shown is a Gantt chart, which is commonly used for project management to illustrate a project schedule. In the context of TOGAF (The Open Group Architecture Framework), which is a framework for enterprise architecture, this Gantt chart is demonstrating the sequenced approach to the Architecture Development Method (ADM). The ADM is the core process of TOGAF which provides a tested and repeatable process for developing architectures. The ADM is described as being iterative, over the whole process, between phases, and within phases. For each iteration of the ADM, a fresh decision must be taken about each of the parameters (scope, granularity, time period, and architecture assets).

The ADM consists of a number of phases that have to be followed in sequence:

Preliminary Phase: Framework and principles

Phase A: Architecture Vision

Phase B: Business Architecture

Phase C: Information Systems Architectures, including Data and Application Architectures

Phase D: Technology Architecture

Phase E: Opportunities and Solutions

Phase F: Migration Planning

Phase G: Implementation Governance

Phase H: Architecture Change Management

Requirements Management

Each phase is dependent on the outputs of the previous phase and the Requirements Management phase runs throughout. The Gantt chart clearly shows the dependency and sequence in which these phases occur, implying that a structured approach is followed to produce the enterprise architecture.

The TOGAF Standard, Version 9.2, a standard of The Open Group

The TOGAF documentation available at <https://publications.opengroup.org/standards/architecture> and <https://publications.opengroup.org/guides/architecture>

Question: 43

What should be put in place through organization structures, roles, responsibilities, skills and processes to carry out architectural activity effectively?

- A. An EA Capability
- B. An Enterprise Architecture
- C. An EA framework
- D. An EA repository

Answer: A

Explanation:

An EA Capability is the ability of an organization to perform enterprise architecture effectively and efficiently. It involves establishing and maintaining the appropriate organization structures, roles, responsibilities, skills, processes, tools, and governance mechanisms to support the development and use of enterprise architecture. An EA Capability enables the organization to align its business and IT strategies, deliver value from its investments, manage change and complexity, and

improve its performance and agility¹²

Reference: 1: The TOGAF Standard, Version 9.2, Part VI: Architecture Capability Framework, Chapter 44: Introduction 2: The TOGAF Standard, Version 9.2, Part VI: Architecture Capability Framework, Chapter 45: Establishing and Maintaining an Enterprise Architecture Capability

Question: 44

Complete the sentence. Actions arising from the Business Transformation Readiness Assessment technique should be incorporated in the

- A. Architecture Requirements Specification
- B. Architecture Roadmap
- C. Implementation Governance Model
- D. Implementation and Migration Plan

Answer: D

Explanation:

The Business Transformation Readiness Assessment technique is used to evaluate the readiness of the organization to undergo change and to identify the actions needed to increase the likelihood of a successful business transformation. These actions should be incorporated in the Implementation and Migration Plan, which is the detailed plan to transition from the Baseline Architecture to the Target Architecture. The Implementation and Migration Plan also includes the Transition Architectures, the Architecture Building Blocks, the Work Packages, the Implementation Governance Model, and the Architecture Contract¹²

Reference: 1: The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 27: Business Transformation Readiness Assessment 2: The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 21: Phase F: Migration Planning

Question: 45

Which of the following describes a purpose of Architecture Principles?

- A. To describe likely impacts resulting from successful deployment of the target architecture.
- B. To establish a common understanding of how to control the business in pursuit of strategic objectives
- C. To provide a better understanding about the enterprise's culture and values

D. To form a contract between sponsoring organization and the enterprise architects

Answer: B

Explanation:

Architecture Principles are general rules and guidelines that inform and support the way in which an organization sets about fulfilling its mission. They reflect a level of consensus among the various elements of the enterprise, and form the basis for making future IT decisions. One of the purposes of Architecture Principles is to establish a common understanding of how to control the business in pursuit of strategic objectives, by providing a framework for evaluating and agreeing on the changes that affect the enterprise's architecture³

Reference: 3: The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 23: Architecture Principles :
The TOGAF Standard, Version 9.2, Part IV: Architecture Content Framework, Chapter 31: Architecture Principles

Question: 46

Which one of the following classes of information within the Architecture Repository would typically contain a list of the applications in use within the enterprise?

- A. Reference Library
- B. Architecture Metamodel
- C. Architecture Landscape
- D. Governance Log

Answer: C

Explanation:

The Architecture Landscape is a class of information within the Architecture Repository that shows an architectural view of the building blocks that are in use within the organization today (the Baseline Architecture), as well as those that are planned for the future (the Target Architecture). The Architecture Landscape typically contains a list of the applications in use within the enterprise, along with their relationships and dependencies, as well as other relevant architectural information. The Architecture Landscape helps to identify opportunities for re-use, consolidation, or retirement of existing applications, as well as gaps or overlaps in the current or future architecture.

The TOGAF Standard, Version 9.2, Part IV: Architecture Content Framework, Chapter 34: Architecture Landscape : The TOGAF Standard, Version 9.2, Part VI: Architecture Capability Framework, Chapter 47: Architecture Repository

Question: 47

The _____ ensures that a project transitioning into implementation also smoothly transitions into appropriate Architecture Governance.

- A. Migration Plan
- B. Transition Plan
- C. Implementation Governance Model
- D. Implementation Strategy

Answer: C

Explanation:

The Implementation Governance Model is a framework that defines the roles, responsibilities, processes, and standards for governing the implementation of the target architecture. It ensures that a project transitioning into implementation also smoothly transitions into appropriate Architecture Governance, which is the practice of ensuring compliance with the enterprise architecture and its principles, standards, and goals. The Implementation Governance Model is part of the Implementation and Migration Plan, which is the output of Phase F: Migration Planning of the Architecture Development Method (ADM)¹²

Reference: 1: The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 21: Phase F: Migration Planning 2: The TOGAF Standard, Version 9.2, Part VI: Architecture Capability Framework, Chapter 50: Architecture Governance

Question: 48

Consider the following ADM phases objectives.

	Objective
1	Develop the Target Data Architecture that enables the Business Architecture and the Architecture Vision
2	Develop the Target Business Architecture that describes how the enterprise needs to operate to achieve the business goals
3	Develop a high-level aspirational vision of the capabilities and business value to be delivered as a result of the proposed Enterprise Architecture
4	Develop the Target Application Architecture that enables the Business Architecture and the Architecture Vision, in a way that addresses the Statement of Architecture Work and stakeholder concerns

Which phase does each objective match?

- A. 1C-2B-3A-4C
- B. 1A-2B-3C-4D
- C. 1B-2D-3A-4C
- D. 1C-2D-3B-4A

Answer: A

Explanation:

The objectives listed in the question correspond to the objectives of different phases of the TOGAF ADM (Architecture Development Method), which is a method for developing and managing an enterprise architecture¹.

The ADM consists of nine phases, each with a specific purpose and output. The phases are¹:

Preliminary Phase: To prepare and initiate the architecture development cycle, including defining the architecture framework, principles, and governance.

Phase A: Architecture Vision: To define the scope, vision, and stakeholders of the architecture initiative, and to obtain approval to proceed.

Phase B: Business Architecture: To describe the baseline and target business architecture, and to identify the gaps between them.

Phase C: Information Systems Architectures: To describe the baseline and target data and application architectures, and to identify the gaps between them.

Phase D: Technology Architecture: To describe the baseline and target technology architecture, and to identify the gaps between them.

Phase E: Opportunities and Solutions: To identify and evaluate the opportunities and solutions for implementing the target architecture, and to define the work packages and transition architectures.

Phase F: Migration Planning: To finalize the implementation and migration plan, and to ensure alignment with the enterprise portfolio and project management.

Phase G: Implementation Governance: To provide architecture oversight and guidance for the implementation projects, and to manage any architecture change requests.

Phase H: Architecture Change Management: To monitor the changes in the business and technology environment, and to assess the impact and performance of the architecture.

Based on the above definitions, we can match each objective with the corresponding phase as follows:

Objective 1: Develop the Target Data Architecture that enables the Business Architecture and the Architecture Vision. This objective is achieved in Phase C: Information Systems Architectures, where the data architecture is defined as a subset of the information systems architecture².

Objective 2: Develop the Target Business Architecture that describes how the enterprise needs to operate to achieve the business goals. This objective is achieved in Phase B: Business Architecture, where the business architecture is defined as a subset of the enterprise architecture³.

Objective 3: Develop a high-level aspirational vision of the capabilities and business value to be delivered as a result of the proposed Enterprise Architecture. This objective is achieved in Phase A: Architecture Vision, where the architecture vision is defined as a high-level description of the target architecture and its benefits⁴.

Objective 4: Develop the Target Application Architecture that enables the Business Architecture and the Architecture Vision, in a way that addresses the Statement of Architecture Work and stakeholder concerns. This objective is achieved in Phase C: Information Systems Architectures, where the application architecture is defined as a subset of the information systems architecture².

1: The TOGAF Standard, Version 9.2, Chapter 5: Architecture Development Method (ADM)

2: The TOGAF Standard, Version 9.2, Chapter 9: Phase C: Information Systems Architectures

3: The TOGAF Standard, Version 9.2, Chapter 8: Phase B: Business Architecture

4: The TOGAF Standard, Version 9.2, Chapter 7: Phase A: Architecture Vision

Question: 49

Consider the following statement.

Projects may cycle between ADM phases, in planned cycles covering multiple phases.

What does it illustrate?

- A. Requirements management
- B. Iteration
- C. Implementation governance
- D. Enterprise Architecture

Answer: B

Explanation:

The statement "Projects may cycle between ADM phases, in planned cycles covering multiple phases" illustrates the concept of iteration, which is the process of repeating the ADM phases or steps within a phase to refine the architecture outputs and address the changing requirements and stakeholder concerns. Iteration can occur at different levels of granularity and scope, such as within a single phase, across multiple phases, or across the entire ADM cycle. Iteration can also be applied to different architecture domains, such as business, data, application, and technology. Iteration is a key feature of the ADM that enables the development of architectures that are fit for purpose, adaptable, and responsive to change.

Reference: : The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 24: Applying Iteration to the ADM

Question: 50

In which phase of the ADM cycle do building blocks become implementation-specific?

- A. Phase B
- B. Phase C
- C. Phase D
- D. Phase E

Answer: D

Explanation:

Building blocks are reusable components of business, IT, or architectural capability that can be combined to deliver architectures and solutions. Building blocks can be defined at various levels of detail, depending on the stage of architecture development. In the earlier phases of the ADM cycle (A to D), building blocks are defined in generic terms, such as logical or physical, to provide a high-level view of the architecture. In Phase E: Opportunities and Solutions, building blocks become implementation-specific, meaning that they are linked to specific products, standards, technologies, and vendors that are available in the market. This phase also identifies the delivery vehicles, such as projects, programs, or portfolios, that will realize the building blocks.

Reference: 1: The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 23: Phase E:

Opportunities and Solutions 2: The TOGAF Standard, Version 9.2, Part IV: Architecture Content Framework, Chapter 36:

Building Blocks

Question: 51

Which of the following best describes purpose of the Business Scenarios?

- A. To identify risk when implementing an architecture project

- B. To identify and understand requirements
- C. To catch errors in a project architecture early
- D. To guide decision making throughout the enterprise

Answer: B

Explanation:

Business scenarios are a technique for capturing, clarifying, and communicating the functional and non-functional requirements of a system. Business scenarios describe the business environment, the actors involved, the desired outcomes, and the processes or rules that govern the behavior of the system. Business scenarios are useful for ensuring that the architecture addresses the real needs and concerns of the stakeholders, and for validating and testing the architecture against expected situations. Business scenarios are developed in Phase A: Architecture Vision of the ADM cycle, and refined and updated throughout the other phases³

Reference: 3: The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 26:

Business Scenarios : The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 18: Phase A: Architecture Vision

Question: 52

Consider the following statements:

1. Each contracted party is required to act responsibly to the organization and its stakeholders.
2. All decisions taken, processes used, and their implementation will not be allowed to create unfair advantage to any one particular party.
3. Digital Transformation and operations will be more effective and efficient.
4. Strategic decision-making by C-Level executives and business leaders will be more effective.

Which statements highlight the value and necessity for Architecture Governance to be adopted within organizations?

- A. 1and2
- B. 2and3
- C. 3and4
- D. 1and4

Answer: A

Explanation:

Architecture governance is the practice of ensuring compliance with the enterprise architecture and its principles, standards, and goals. Architecture governance provides the means to establish, monitor, and control the architecture development and implementation processes, and to resolve any issues or conflicts that may arise. Architecture governance also ensures that all stakeholders are represented and involved in the decision-making process, and that their interests and concerns are balanced and aligned. Statements 1 and 2 highlight the value and necessity for architecture governance to be adopted within organizations, as they emphasize the importance of responsibility, accountability, fairness, and transparency in the architectural activities. Statements 3 and 4 are more related to the benefits and outcomes of having a good enterprise architecture, rather than the governance aspect.

The TOGAF Standard, Version 9.2, Part VI: Architecture Capability Framework, Chapter 50: Architecture Governance : The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 29: Architecture Governance

Question: 53

Consider the image showing basic architectural concepts.

What are items A and B?

- A. A-Architecture Viewpoint, B-Architecture View
- B. A-Architecture Board, B-Architecture Capability
- C. A-Candidate Architecture, B-Trade-off
- D. A-Requirement. B-Candidate Architecture

Answer: A

Explanation:

The image shows a diagram that illustrates the basic concepts of architecture description as defined by the ISO/IEC/IEEE 42010:2011 standard¹, which is also adopted by the TOGAF standard².

According to the ISO/IEC/IEEE 42010:2011 standard, an architecture description is a work product used to express an architecture, and it consists of one or more architecture views¹.

An architecture view is a representation of a system from the perspective of a related set of concerns, and it conforms to an architecture viewpoint¹.

An architecture viewpoint is a specification of the conventions for constructing and using an architecture view to address specific stakeholder concerns¹.

Therefore, the correct answer is option A, which identifies the items labeled as “A” and “B” in the image as an architecture viewpoint and an architecture view, respectively.

Reference:

1: ISO/IEC/IEEE 42010:2011 - Systems and software engineering — Architecture description¹

2: TOGAF Standard, Version 9.2 - Part IV: Architecture Content Framework - 31. Architectural Artifacts²

Question: 54

Which ADM phase focuses on defining the problem to be solved, identifying the stakeholders, their concerns, and requirements?

- A. Phase
- B. Preliminary Phase
- C. Phase
- D. Phase A

Answer: D

Explanation:

Phase A: Architecture Vision is the first phase of the Architecture Development Method (ADM) cycle, which is the core of the TOGAF standard. The main purpose of this phase is to define the scope and approach of the architecture development, and to create the Architecture Vision, which is a high-level description of the desired outcomes and benefits of the proposed architecture. To achieve this purpose, this phase focuses on defining the problem to be solved, identifying the stakeholders, their concerns, and requirements, and establishing the business goals and drivers that motivate the architecture work. This phase also involves obtaining the approval and commitment of the sponsors and other key stakeholders, and initiating the Architecture Governance process.

The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 5: Introduction to the ADM : The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 18: Phase A: Architecture Vision : The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 18.3: Inputs : The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 18.4: Steps

Question: 55

When considering the scope of an architecture, what dimension considers to what level of detail the architecting effort should go?

- A. Project
- B. Breadth
- C. Depth
- D. Architecture Domains

Answer: C

Explanation:

The scope of an architecture is the extent and level of detail of the architecture work. The scope of an architecture can be defined along four dimensions: project, breadth, depth, and architecture domains. The project dimension considers the boundaries and objectives of the architecture project, such as the time frame, budget, resources, and deliverables. The breadth dimension considers the coverage and completeness of the architecture across the enterprise, such as the organizational units, business functions, processes, and locations. The depth dimension considers the level of detail and specificity of the architecture, such as the granularity, abstraction, and precision of the architectural elements and relationships. The architecture domains dimension considers the aspects or segments of the architecture, such as the business, data, application, and technology domains.

Therefore, the depth dimension is the one that considers to what level of detail the architecting effort should go.

The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 25: Architecture Scope : The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 25.2: Scope Dimensions : The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 25.2.1: Project, Breadth, Depth, and Architecture Domains

Question: 56

What is defined as the effect of uncertainty on objectives?

- A. Vulnerability
- B. Risk
- C. Continuity
- D. Threat

Answer: B

Explanation:

Risk is defined as the effect of uncertainty on objectives, according to the ISO 31000 standard, which provides principles and guidelines for risk management¹ Risk can be positive or negative, depending

on whether the uncertainty affects the achievement or the failure of the objectives. Risk can also be expressed in terms of likelihood and impact, which indicate the probability and the consequence of the risk occurrence. Risk management is the coordinated activities to direct and control an organization with regard to risk. Risk management is an integral part of the TOGAF standard, as it helps to identify, assess, and treat the risks that may affect the architecture development and implementation²

Reference: 1: ISO 31000:2018, Riskmanagement — Guidelines, Clause 3.1 2: The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 32: Risk Management

Question: 57

What is an objective of the ADM Preliminary Phase?

- A. To develop a vision of the business value to be delivered by the proposed enterprise architecture
- B. To select and implement tools to support the Architecture Capability
- C. To obtain approval for the Statement of Architecture Work
- D. To create the initial version of the Architecture Roadmap

Answer: B

Explanation:

The Preliminary Phase is the preparatory phase of the Architecture Development Method (ADM) cycle, which sets the context and direction for the architecture work. One of the objectives of this phase is to select and implement tools to support the Architecture Capability, which is the ability of an organization to perform enterprise architecture effectively and efficiently. Tools can include software applications, methods, techniques, standards, and frameworks that assist the architecture development and governance processes. The selection and implementation of tools should be based on the requirements and constraints of the organization, and the alignment with the Architecture Principles and the Architecture Vision³

Reference: 3: The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 6: Preliminary Phase : The TOGAF Standard, Version 9.2, Part VI: Architecture Capability Framework, Chapter 45: Establishing and Maintaining an Enterprise Architecture Capability : The TOGAF Standard, Version 9.2, Part VI: Architecture Capability Framework, Chapter 46: Tools for Architecture Development

Question: 58

Consider the following descriptions of deliverables consumed and produced across the TOGAF ADM cycle.

General rules and guidelines, intended to be enduring and seldom amended, that inform and support the way in which an organization sets about fulfilling its mission

The joint agreements between development partners and sponsors on the deliverables, quality, and fitness-for-purpose of an architecture.

A document that is sent from the sponsoring organization to the architecture organization to trigger the start of an architecture development cycle

A set of quantitative statements that outline what an implementation project must do in order to comply with the architecture.

Which deliverables match these descriptions?

1 Architecture Principles - 2 Architecture Contracts - 3 Request for Architecture Work - 4 Architecture Requirements Specification

1 Architecture Contracts - 2 Architecture Requirements Specification - 3 Architecture Vision - 4 Architecture Principles

1 Architecture Requirements Specification - 2 Architecture Principles - 3 Architecture Vision - 4 Architecture Contracts

A. 1 Architecture Principles - 2 Architecture Contracts - 3 Architecture Requirements Specification - 4 Request for Architecture Work

Answer: A

Explanation:

According to the TOGAF standard, the deliverables that match the descriptions are as follows:

- 1 Architecture Principles: These are general rules and guidelines, intended to be enduring and seldom amended, that inform and support the way in which an organization sets about fulfilling its mission¹. They reflect a level of consensus among the various elements of the enterprise, and form the basis for making future IT decisions¹.
- 2 Architecture Contracts: These are the joint agreements between development partners and sponsors on the deliverables, quality, and fitness-for-purpose of an architecture². They are used to ensure that the architecture is implemented and governed according to the agreed-upon specifications and standards².
- 3 Request for Architecture Work: This is a document that is sent from the sponsoring organization to the architecture organization to trigger the start of an architecture development cycle³. It defines the scope, schedule, budget, deliverables, and stakeholders of the architecture project³.
- 4 Architecture Requirements Specification: This is a set of quantitative statements that outline what an implementation project must do in order to comply with the architecture⁴. It defines the requirements for each architecture domain, as well as the relationships and dependencies among them⁴.

1: Architecture Principles 2: Architecture Contracts 3: Request for Architecture Work 4: Architecture Requirements Specification

Question: 59

What can architects present to stakeholders to extract hidden agendas, principles, and requirements that could impact the final Target Architecture?

- A. Solutions and Applications
- B. Alternatives and Trade-offs
- C. Business Scenarios and Business Models
- D. Architecture Views and Architecture Viewpoints

Answer: D

Explanation:

According to the TOGAF Standard, Version 9.2, an architecture view is a representation of a system from the perspective of a related set of concerns¹. It consists of one or more architecture models that demonstrate how the system addresses the stakeholder concerns¹.

An architecture viewpoint is a specification of the conventions for constructing and using an architecture view to address specific stakeholder concerns¹. It defines the perspective, scope, notation, and techniques for creating an architecture view

of a system¹.

Architects can present architecture views and viewpoints to stakeholders to extract hidden agendas, principles, and requirements that could impact the final Target Architecture, because²³:

Architecture views and viewpoints help to communicate and visualize the architecture in a way that is meaningful and relevant to different stakeholders, addressing their specific interests and needs.

Architecture views and viewpoints help to elicit and validate the stakeholder concerns and requirements, ensuring that they are aligned with the business goals and objectives, and that they are consistent and feasible within the architecture context.

Architecture views and viewpoints help to identify and resolve any conflicts, gaps, or trade-offs among the stakeholder concerns and requirements, ensuring that they are balanced and prioritized in the architecture design and decision-making.

Architecture views and viewpoints help to demonstrate and verify the value and benefits of the architecture to the stakeholders, ensuring that they are satisfied and committed to the architecture outcome and governance.

1: The TOGAF Standard, Version 9.2, Chapter 22: Architecture Views, Viewpoints, and Stakeholders

2: The TOGAF Standard, Version 9.2, Chapter 4: Introduction to Part II, Section 4.2: What is an Architecture Framework?

3: The TOGAF Standard, Version 9.2, Chapter 31: Architectural Artifacts, Section 31.1: Basic Concepts

Question: 60

Which of the following best describes the need for the ADM process to be governed?

- A. To enable development of reference architectures
- B. To verify that the method is being applied correctly
- C. To enable a fast response to market changes
- D. To permit the architecture domains to be integrated

Answer: B

Explanation:

According to the TOGAF standard, the need for the ADM process to be governed is to ensure that the architecture development and implementation activities are conducted in a consistent, coherent, and compliant manner¹. Governance provides the means to verify that the method is being applied correctly and effectively, and that the architecture deliverables and artifacts meet the quality and standards criteria¹. Governance also enables the management of risks, issues, changes, and dependencies that

may arise during the ADM process¹.

Some of the benefits of governing the ADM process are²:

- Improved alignment of the architecture with the business strategy and objectives
- Enhanced stakeholder engagement and communication
- Increased reuse and integration of architecture assets and resources
- Reduced complexity and duplication of architecture efforts
- Increased agility and adaptability of the architecture to changing needs and requirements
- Improved compliance and auditability of the architecture outcomes and outputs

Reference: 1: Architecture Governance 2: Architecture Governance Benefits

Question: 61

What is the purpose of the Preliminary Phase?

- A. Developing an Enterprise Architecture Capability.
- B. Describing the target architecture.
- C. Defining the Enterprise Strategy.
- D. Identifying the stakeholders and their requirements.

Answer: A

Explanation:

An Enterprise Architecture Capability is the ability of the organization to perform effective and efficient architecture work, including the definition, governance, and management of its architectures². The Preliminary Phase involves the following activities¹:

- Reviewing the organizational context, scope, and drivers for conducting Enterprise Architecture
- Establishing the Architecture Capability desired by the organization, including the maturity level, roles, responsibilities, processes, and tools
- Defining and establishing the Organizational Model for Enterprise Architecture, which describes how the architecture function

is organized and integrated within the enterprise

- Defining and establishing the Architecture Governance framework, which provides the mechanisms for ensuring the quality, consistency, and compliance of the architecture work
- Selecting and implementing the tools that support the Architecture Capability, such as repositories, modeling tools, and communication tools
- Defining the Architecture Principles that will guide and constrain the architecture work, based on the business principles, goals, and drivers of the organization
- Defining the Organization-Specific Architecture Framework, which is an adaptation of the generic TOGAF ADM to suit the specific requirements, standards, and practices of the organization

The Preliminary Phase is essential for preparing the organization for the successful development and implementation of its architectures, as well as for ensuring the alignment of the architecture work with the business strategy and objectives¹.

Reference: 1: Preliminary Phase 2: Enterprise Architecture Capability

Question: 62

Consider the following ADM phases objectives.

Objective

1-Determine whether an incremental approach is required, and if so identify Transition Architectures that will deliver continuous business value

2-Generate the initial complete version of the Architecture Roadmap, based upon the gap analysis and candidate Architecture Roadmap components from Phases B, C, and D

3-Finalize the Architecture Roadmap and the supporting Implementation and Migration Plan

4-Ensure that the business value and cost of work packages and Transition Architectures is understood by key stakeholders

Which phase does each objective match?

A. 1E-2F-3E-4F

B. 1G-2E-3F-4F

C. 1E-2E-3F-4F

D. 1F-2E-3F-4G

Answer: B

Explanation:

According to the TOGAF standard, the objectives of each ADM phase are as follows1:

- Phase E: Opportunities and Solutions

- o Determine whether an incremental approach is required, and if so identify Transition Architectures that will deliver continuous business value

- o Identify and group major work packages within the Architecture Roadmap

- o Identify and group major implementation projects to realize the Architecture Roadmap

- o Identify dependencies between increments and projects

- o Estimate cost, benefit, and risk at a high level for each increment and project

- o Conduct initial prioritization and sequencing of the Architecture Roadmap and projects

- Phase F: Migration Planning

- o Generate the initial complete version of the Architecture Roadmap, based upon the gap analysis

- o Identify and group major implementation projects to realize the Architecture Roadmap

- o Confirm the Transition Architectures with relevant stakeholders

- o Create the Implementation and Migration Plan, including Transition Architectures, work packages, projects, and other activities

- o Confirm and agree the Architecture Roadmap and Implementation and Migration Plan with relevant stakeholders

- Phase G: Implementation Governance

- o Finalize the Architecture Roadmap and the supporting Implementation and Migration Plan

- o Ensure conformance with the Target Architecture by implementation projects

- o Perform appropriate Architecture Governance functions for the solution and any implementation- driven architecture

Change Requests

- o Ensure that the architecture lifecycle is maintained

oEnsure that the Architecture Governance Framework is executed

- Phase H: Architecture Change Management

oEnsure that the business value and cost of work packages and Transition Architectures is understood by key stakeholders

oManage risks and issues related to the Architecture Roadmap and Implementation and Migration Plan

oMonitor the implementation projects and Transition Architectures

oManage changes to the architecture baseline

oManage changes to the Architecture Capability

Therefore, the correct matching of the objectives and the phases is:

- 1G: Determine whether an incremental approach is required, and if so identify Transition

Architectures that will deliver continuous business value

- 2E: Generate the initial complete version of the Architecture Roadmap, based upon the gap analysis and candidate Architecture Roadmap components from Phases B, C, and D

- 3F: Finalize the Architecture Roadmap and the supporting Implementation and Migration Plan

- 4F: Ensure that the business value and cost of work packages and Transition Architectures is understood by key stakeholders

Reference: 1: The TOGAF Architecture Development Method

Question: 63

Which of the following best summarizes the purpose of Enterprise Architecture?

- A. Taking major improvement decisions.
- B. Guiding effective change.
- C. Controlling the bigger changes.
- D. Governing the Stakeholders.

Answer: B

Explanation:

EA applies architecture principles and practices to analyze, design, plan, and implement enterprise analysis that supports digital transformation, IT growth, and the modernization of IT2. EA also helps organizations improve the efficiency, timeliness, and reliability of business information, as well as the alignment, agility, and adaptability of the architecture to the changing needs and requirements3. Therefore, the best summary of the purpose of EA is to guide effective change.

Reference: 1: Enterprise architecture - Wikipedia 2: What is enterprise architecture? A framework for transformation 3: 3

The Purpose of Enterprise Architecture - The Open Group

Question: 64

Exhibit

Consider the illustration showing an architecture development cycle Which description matches the phase of the ADM labeled as item 2?

- A. Conducts implementation planning for the architecture defined in previous phases
- B. Establishes procedures for managing change to the new architecture
- C. Operates the process of managing architecture requirements
- D. Provides architectural oversight for the implementation

Answer: D

Explanation:

Based on the illustration, the phase of the ADM labeled as item 2 is the Implementation Governance phase. This phase provides architectural oversight for the implementation. It ensures that the implementation project conforms to the architecture. It also provides a framework for monitoring and managing the implementation.

The Implementation Governance phase involves the following activities:

Finalizing the Architecture Roadmap and the supporting Implementation and Migration Plan

Assigning an Architecture Board to oversee the implementation

Establishing Architecture Contracts with the implementation partners

Reviewing and approving the implementation project plans and deliverables

Performing Architecture Compliance reviews to ensure alignment with the architecture

Performing Architecture Audit reviews to ensure quality and performance of the architecture

Resolving any architecture issues or change requests that arise during the implementation

Maintaining the architecture lifecycle and ensuring its continuity

The Implementation Governance phase is essential for ensuring that the architecture is realized as

intended and that it delivers the expected business value and outcomes.

Implementation Governance

Question: 65

What are the following activities part of?

- . Risk classification
- . Risk identification
- . Initial risk assessment

- A. Security Architecture
- B. Phase A
- C. Phase G
- D. Risk Management

Answer: D

Explanation:

Risk management is a generic technique that can be applied across all phases of the Architecture Development Method (ADM), as well as in the Preliminary Phase and the Requirements Management Phase2. Risk management involves the following steps1:

- Risk identification: This step involves identifying the potential risks that may affect the architecture project, such as technical, business, organizational, environmental, or legal risks. The risks can be identified through various sources, such as stakeholder interviews, workshops, surveys, checklists, historical data, or expert judgment.
- Risk classification: This step involves categorizing the risks based on their nature, source, impact, and priority. The risks can be classified according to different criteria, such as time, cost, scope, quality, security, or compliance. The classification helps in

prioritizing the risks and allocating resources and efforts to address them effectively.

- Initial risk assessment: This step involves assessing the likelihood and impact of each risk, and

determining the initial level of risk. The likelihood is the probability of the risk occurring, and the impact is the severity of the consequences if the risk occurs. The initial level of risk is the product of the likelihood and impact, and it indicates the urgency and importance of the risk. The initial risk assessment helps in identifying the most critical risks that need immediate attention and mitigation.

Reference: 1: The TOGAF Standard, Version 9.2 - Risk Management 2: TOGAF ADM: Top 10 techniques – Part 9: Risk Management

Question: 66

Which of the following statements about architecture partitioning is correct?

- A. Partitions are used to simplify the management of the Enterprise Architecture.
- B. Partitions are equivalent to architecture levels.
- C. Partitions reflect the organization's structure.
- D. Partitions are defined and assigned to agile Enterprise Architecture teams.

Answer: A

Explanation:

Based on the web search results, architecture partitioning is a technique that divides the Enterprise Architecture into smaller and manageable segments or groups, based on various classification criteria, such as subject matter, time, maturity, volatility, etc.¹²

Architecture partitioning is used to simplify the development and management of the Enterprise Architecture, by reducing complexity, improving governance, enhancing reusability, and increasing alignment and agility¹². Therefore, the statement that partitions are used to simplify the management of the Enterprise Architecture is **CORRECT**.

The other statements are incorrect because:

- Partitions are not equivalent to architecture levels. Architecture levels are different layers of abstraction that describe the Enterprise Architecture from different perspectives, such as strategic, segment, and capability³. Partitions are subsets of architectures that are defined within or across the levels, based on specific criteria¹.
- Partitions do not necessarily reflect the organization's structure. The organization's structure is one

possible criterion for partitioning the architecture, but it is not the only one. Other criteria, such as business function, product, service, geography, etc., can also be used to partition the architecture¹².

- Partitions are not defined and assigned to agile Enterprise Architecture teams. Agile Enterprise Architecture is an approach that applies agile principles and practices to the architecture work, such as iterative development, frequent feedback, adaptive planning, and continuous delivery⁴. Partitions are not a specific feature of agile Enterprise Architecture, but a general technique that can be applied to any architecture method or framework, including TOGAF¹².

Reference: 1: The TOGAF Standard, Version 9.2 - Architecture Partitioning 2: TOGAF® Standard — Introduction - Architecture Partitioning 3: [The TOGAF Standard, Version 9.2 - Applying the ADM Across the Architecture Landscape] 4: TOGAF® Standard — Introduction - Definitions - The Open Group

Question: 67

Consider the following ADM phases objectives.

Objective:

1. Develop the Target Data Architecture that enables the Business Architecture and the Architecture Vision
2. Develop the Target Business Architecture that describes how the enterprise needs to operate to achieve the business goals
3. Develop a high-level aspirational vision of the capabilities and business value to be delivered as a result of the proposed Enterprise Architecture
4. Identify candidate Architecture Roadmap components based upon gaps between the Baseline and Target Technology Architectures

Which phase does each objective match?

- A. 1B-2D-3A-4C
- B. 1C-2D-3B-4A
- C. 1C-2B-3A-4D
- D. 1A-2B-3C-4D

Answer: C

Explanation:

- Phase A: Architecture Vision

- oDevelop a high-level aspirational vision of the capabilities and business value to be delivered as a result of the proposed

Enterprise Architecture

- oDefine the scope and boundaries of the architecture engagement

- oIdentify the key stakeholders and their concerns and expectations

- oDefine the Architecture Vision statement and the Architecture Definition Document

- oObtain approval and commitment from the sponsors and stakeholders

- Phase B: Business Architecture

- oDevelop the Target Business Architecture that describes how the enterprise needs to operate to achieve the business goals

- oDefine the Baseline Business Architecture, if not available

- oPerform a gap analysis between the Baseline and Target Business Architectures

- oDefine candidate roadmap components for the Business Architecture

- oResolve impacts across the Architecture Landscape

- Phase C: Information Systems Architecture

- oDevelop the Target Data Architecture that enables the Business Architecture and the Architecture Vision

- oDevelop the Target Application Architecture that supports the Business Architecture and the Architecture Vision

- oDefine the Baseline Data and Application Architectures, if not available

- oPerform a gap analysis between the Baseline and Target Data and Application Architectures

- oDefine candidate roadmap components for the Information Systems Architecture

- oResolve impacts across the Architecture Landscape

- Phase D: Technology Architecture

- oDevelop the Target Technology Architecture that enables the Information Systems Architecture and the Architecture Vision

- oDefine the Baseline Technology Architecture, if not available

oPerform a gap analysis between the Baseline and Target Technology Architectures

oIdentify candidate Architecture Roadmap components based upon gaps between the Baseline and Target Technology Architectures

oResolve impacts across the Architecture Landscape

Therefore, the correct matching of the objectives and the phases is:

- 1C: Develop the Target Data Architecture that enables the Business Architecture and the Architecture Vision
- 2B: Develop the Target Business Architecture that describes how the enterprise needs to operate to achieve the business goals
- 3A: Develop a high-level aspirational vision of the capabilities and business value to be delivered as a result of the proposed Enterprise Architecture
- 4D: Identify candidate Architecture Roadmap components based upon gaps between the Baseline and Target Technology Architectures

Reference: 1: The TOGAF Architecture Development Method

Question: 68

Which section of the TOGAF template for Architecture Principles should highlight the requirements for carrying out the principle?

- A. Rationale
- B. Name
- C. Statement
- D. Implications

Answer: D

Explanation:

The Implications section describes the impact of adhering to the principle on the organization, the processes, the information systems, and the technology²³. It also identifies the changes, costs, and risks that may result from applying the principle²³. The Implications section helps to communicate the benefits and consequences of the principle to the stakeholders and to guide the implementation and governance of the architecture²³.

The other sections of the TOGAF template for Architecture Principles are:

- **Name:** This section provides a short and memorable name for the principle that represents its essence and purpose. The name should not mention any specific technology or solution.
- **Statement:** This section provides a concise and formal definition of the principle that expresses the fundamental rule or constraint that the principle imposes. The statement should be clear, unambiguous, and testable.
- **Rationale:** This section provides the reasoning and justification for the principle, explaining why it is important and how it supports the business goals and drivers. The rationale should also link the principle to the higher-level enterprise or IT principles that it elaborates on.

Reference: 2: The TOGAF Standard, Version 9.2 - Architecture Principles 3: TOGAF 8.1.1 Online - Architecture Principles 1: Architecture Principles Template

Question: 69

Which of the following describes how the Enterprise Continuum is used when developing an enterprise architecture?

- A. To identify and understand business requirements
- B. To coordinate with the other management frameworks in use
- C. To describe how an architecture addresses stakeholder concerns
- D. To classify architecture and solution assets

Answer: D

Explanation:

The Enterprise Continuum consists of two complementary concepts: the Architecture Continuum and the Solutions Continuum. The Architecture Continuum provides a consistent way to describe and understand the generic and reusable architecture building blocks, such as models, patterns, and standards, that can be applied and tailored to specific situations. The Solutions Continuum provides a consistent way to describe and understand the specific and implemented solution building blocks, such as products, services, and components, that realize the architecture building blocks. The Enterprise Continuum enables the reuse and integration of architecture and solution assets across different levels of abstraction, scope, and detail, ranging from foundation architectures to organization-specific architectures.

The Enterprise Continuum is used when developing an enterprise architecture to support the following activities:

- Selecting relevant architecture and solution assets from the Architecture Repository or other sources, based on the business drivers, goals, and requirements
- Adapting and customizing the architecture and solution assets to suit the specific needs and context of the enterprise
- Defining and developing the target architecture and the architecture roadmap, based on the gaps and opportunities identified between the baseline and the target states
- Defining and developing the implementation and migration plan, based on the architecture roadmap and the solution building blocks
- Governing and managing the architecture and solution assets throughout the architecture lifecycle, ensuring their quality, consistency, and compliance

Reference: 1: The TOGAF Standard, Version 9.2 - Enterprise Continuum 2: The TOGAF Standard, Version 9.2 - Architecture Continuum 3: The TOGAF Standard, Version 9.2 - Solutions Continuum

Question: 70

Complete the sentence. The architecture domains that are considered by the TOGAF standard as subsets of an overall enterprise architecture are Business, Technology,

- A. Logical and Physical

- B. Information and Data
- C. Capability and Segment
- D. Application and Data

Answer: D

Explanation:

These domains provide a consistent way to describe and understand the architecture from different perspectives, such as business, information, and technology¹². Each domain has its own set of concepts, models, views, and artifacts that define the structure and behavior of the architecture **within that domain**¹².

The other options are incorrect because:

- Logical and Physical are not architecture domains, but rather levels of abstraction that can be applied to any domain. Logical architecture describes the functionality and behavior of the system, while physical architecture describes the implementation and deployment of the system³.
- Information and Data are not distinct architecture domains, but rather aspects of the same domain. Information architecture describes the meaning and context of the data, while data architecture describes the structure and format of the data⁴.
- Capability and Segment are not architecture domains, but rather levels of granularity that can be applied to any domain. Capability architecture describes the current and desired states of a specific business capability, while segment architecture describes a subdivision of the enterprise that has a clear business focus⁵.

Reference: 1: The TOGAF Standard, Version 9.2 - Definitions 2: TOGAF® Standard — Introduction - Definitions 3: [Logical vs Physical Architecture] 4: [Information Architecture vs Data Architecture] 5:

- The TOGAF Standard, Version 9.2 - Applying the ADM Across the Architecture Landscape]

Question: 71

What component of the Architecture Repository represents architecture requirements agreed with the Architecture Board?

- A. Reference Library
- B. Architecture Capability
- C. Architecture Requirements Repository
- D. Governance Log

Answer: C

Explanation:

The Architecture Requirements Repository stores all the requirements that are output of the architecture development cycle, as well as the requirements that are input to the architecture development cycle¹. The Architecture Requirements Repository includes the following types of requirements¹:

- Stakeholder Requirements: These are the high-level requirements and expectations of the stakeholders, derived from the business drivers, goals, and objectives. They are captured and refined in the Architecture Vision phase and the Requirements Management phase.
- Architecture Requirements: These are the detailed requirements that specify what the architecture must do or deliver to meet the stakeholder requirements. They are derived and refined in the Business, Information Systems, and Technology Architecture phases.
- Implementation and Migration Requirements: These are the detailed requirements that specify what the implementation and migration projects must do or deliver to realize the architecture. They are derived and refined in the Opportunities and Solutions and Migration Planning phases.

The Architecture Requirements Repository is used to manage the architecture requirements throughout the architecture lifecycle, ensuring their traceability, consistency, and compliance¹. The Architecture Board is the authority that reviews and approves the architecture requirements, as well as the architecture deliverables and artifacts, as part of the architecture governance process².

Reference: 1: Architecture Requirements Repository 2: Architecture Board

Question: 72

What are the four architecture domains that the TOGAF standard deals with?

Business, Data, Application, Technology

Capability, Segment, Enterprise, Federated

Baseline, Candidate, Transition, Target

A. Application, Data, Information, Knowledge

Answer: A

Explanation:

The TOGAF standard divides Enterprise Architecture into four primary architecture domains: business, data, application, and technology. These domains represent different aspects of an enterprise and how they relate to each other. The business domain defines the business strategy, governance, organization, and key business processes. The data domain describes the structure of the logical and physical data assets and data management resources. The application domain provides a blueprint for the individual applications to be deployed, their interactions, and their relationships to the core business processes. The technology domain describes the logical software and hardware capabilities that are required to support the deployment of business, data, and application services. Other domains, such as motivation, security, or governance, may span across these four primary domains.

Reference:

The TOGAF Standard, Version 9.2 - Core Concepts

Domains - The Open Group

TOGAF® Standard — Introduction - Definitions - The Open Group

The TOGAF Standard, Version 9.2 - Definitions - The Open Group

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Question: 73

Which of the following does the TOGAF standard describe as a package of functionality defined to meet business needs across an organization?

A. An application

B. A deliverable

C. A solution architecture

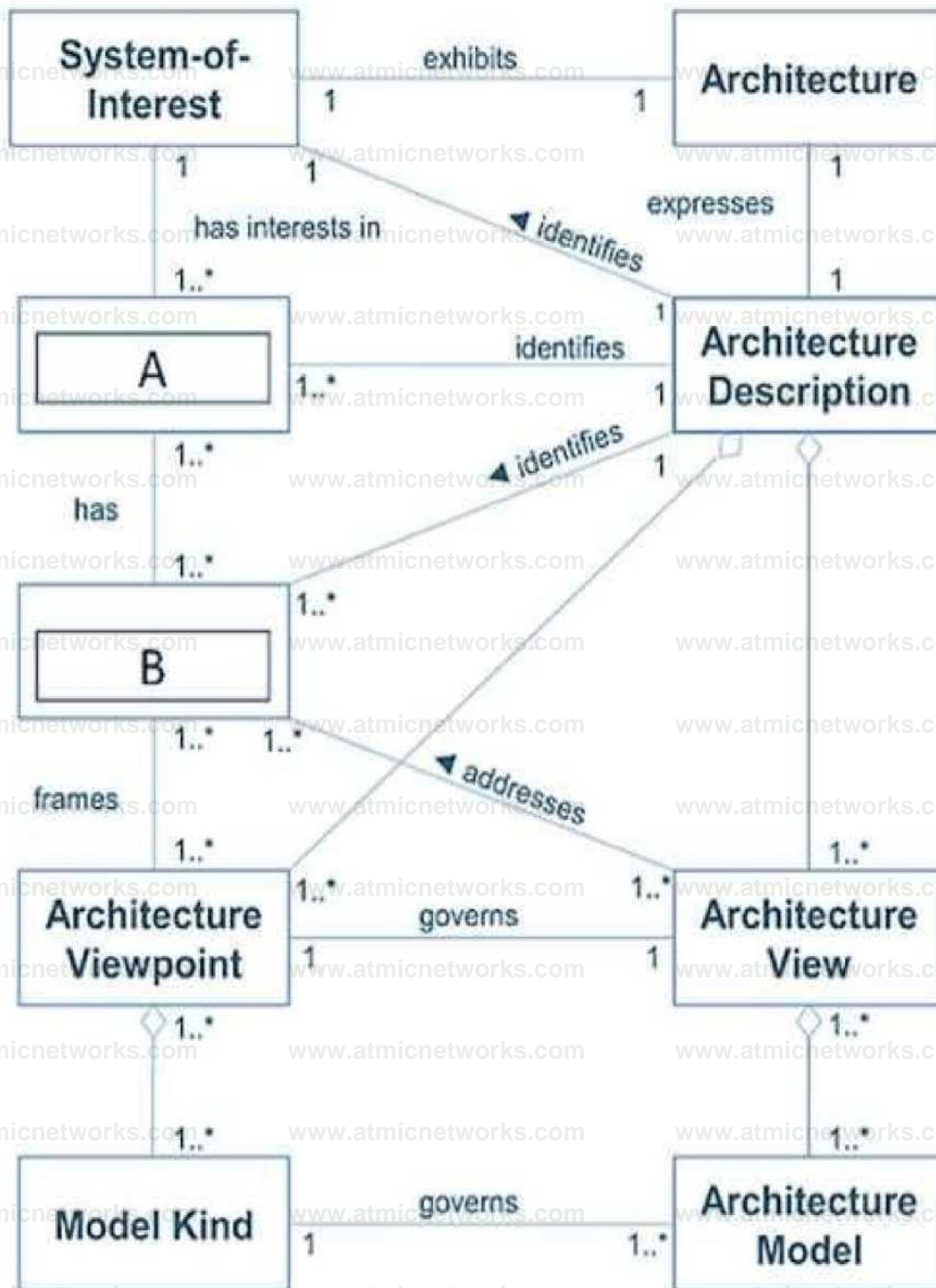
D. A building block

Answer: D

Explanation:

Question: 74

Exhibit:



Consider the image showing basic architectural concepts.

What are items A and B?

- A. A-Candidate Architecture, B-Trade-off
- B. A-User, B-Requirement
- C. A-Stakeholder, B-Concern
- D. A-Base Architecture, B-Target Architecture

Answer: C

Explanation:

In the context of TOGAF, a stakeholder is any individual, team, or organization who has interests in, or concerns relative to, the outcome of the architecture. Concerns are those interests which pertain to any aspect of the system's functioning, development or operation, including considerations such as performance, reliability, and security¹.

Reference:

- The TOGAF Standard, Version 9.2 - Definitions - The Open Group

Question: 75

Consider the following statements.

1. All processes, decision-making, and mechanisms used will be established so as to minimize or avoid potential conflicts of interest.
2. More effective strategic decision-making will be made by C-Level executives and business leaders.
3. All actions implemented and their decision support will be available for inspection by authorized organization and provider parties.
4. Digital Transformation and operations will be more effective and efficient.

Which statements highlight the value and necessity for Architecture Governance to be adopted within organizations?

A. 1and4

B. 1and3

C. 2and4

D. 2and3

Answer: B

Explanation:

Statements 1 and 3 highlight the value and necessity for Architecture Governance to be adopted within organizations. Architecture Governance is the practice and orientation by which Enterprise Architectures and other architectures are managed and controlled at an enterprise-wide level¹². It ensures that architectural decisions are aligned with the organization's strategy, objectives, and standards. Architecture Governance also involves establishing and maintaining processes, decisionmaking, and mechanisms to avoid or minimize potential conflicts of interest, such as between different stakeholders, business units, or projects³⁴. Moreover, Architecture Governance requires transparency and accountability for all actions implemented and their decision support, so that they can be inspected and evaluated by authorized parties, such as auditors, regulators, or customers⁵.

Reference:

- The TOGAF Standard, Version 9.2 - Architecture Governance - The Open Group
- Architecture Governance - The Open Group
- Tutorial: Governance in TOGAF's Architecture Development Method (ADM)
- Architecture Governance in TOGAF: Ensuring Effective Management and Compliance
- The TOGAF Standard, Version 9.2 - Definitions - The Open Group
- [Architecture Governance in TOGAF: Ensuring Alignment and Control]

Question: 76

What does the TOGAF ADM recommend for use in developing an Architecture Vision document?

- A. Requirements Management
- B. Architecture Principles
- C. Gap Analysis
- D. Business Scenarios

Answer: D

Explanation:

Business scenarios are a technique recommended by the TOGAF ADM for use in developing an Architecture Vision document¹². Business scenarios are a means of capturing the business requirements and drivers, the processes and actors involved, and the desired outcomes and measures of success³⁴. Business scenarios help to create a common vision and understanding among the stakeholders, and to identify and validate the architecture requirements. Business scenarios also provide a basis for analyzing the impact and value of the proposed architecture.

Reference:

- The TOGAF Standard, Version 9.2 - Phase A: Architecture Vision - The Open Group
- TOGAF® Standard — Introduction - Phase A: Architecture Vision
- The TOGAF Standard, Version 9.2 - Definitions - The Open Group
- Business Scenarios - The Open Group
- [The TOGAF Standard, Version 9.2 - Architecture Requirements Specification - The Open Group]
- [The TOGAF Standard, Version 9.2 - Architecture Vision - The Open Group]
- [The TOGAF Standard, Version 9.2 - Business Transformation Readiness Assessment - The Open Group]

Question: 77

Refer to the table below:

Which ADM Phase does this describe?

- A. Phase E
- B. Phase G
- C. Phase A

D. Phase F

Answer: B

Explanation:

The table describes the output, outcome, and essential knowledge of an ADM phase that oversees the implementation of changes necessary to reach the adjusted target state. This corresponds to Phase G, also known as Implementation Governance, which ensures that the architecture defined in earlier phases is realized, and it oversees the development and implementation of projects to align with this architecture. The essential knowledge required during this phase includes understanding constraints on the implementation team and adjusting stakeholder priority and preference in response to success, value, effort, and risk of change.

Reference: TOGAF Version 9.1 - 1

Question: 78

Which of the following best describes the purpose of the Architecture Requirements Specification?

- A. It contains an assessment of the current architecture requirements
- B. It provides a set of statements that outline what a project must do to comply with the architecture
- C. It is sent from the sponsor and triggers the start of an architecture development cycle
- D. It defines the scope and approach to complete an architecture project

Answer: B

Explanation:

The Architecture Requirements Specification is one of the TOGAF deliverables that provides a set of quantitative statements that outline what an implementation project must do in order to comply with the architecture¹². It is a companion to the Architecture Definition Document, which provides a qualitative view of the solution and aims to communicate the intent of the architect. The Architecture Requirements Specification provides a quantitative view of the solution, stating measurable criteria that must be met during the implementation of the architecture³. It typically forms a major component of an implementation contract or contract for more detailed Architecture Definition⁴.

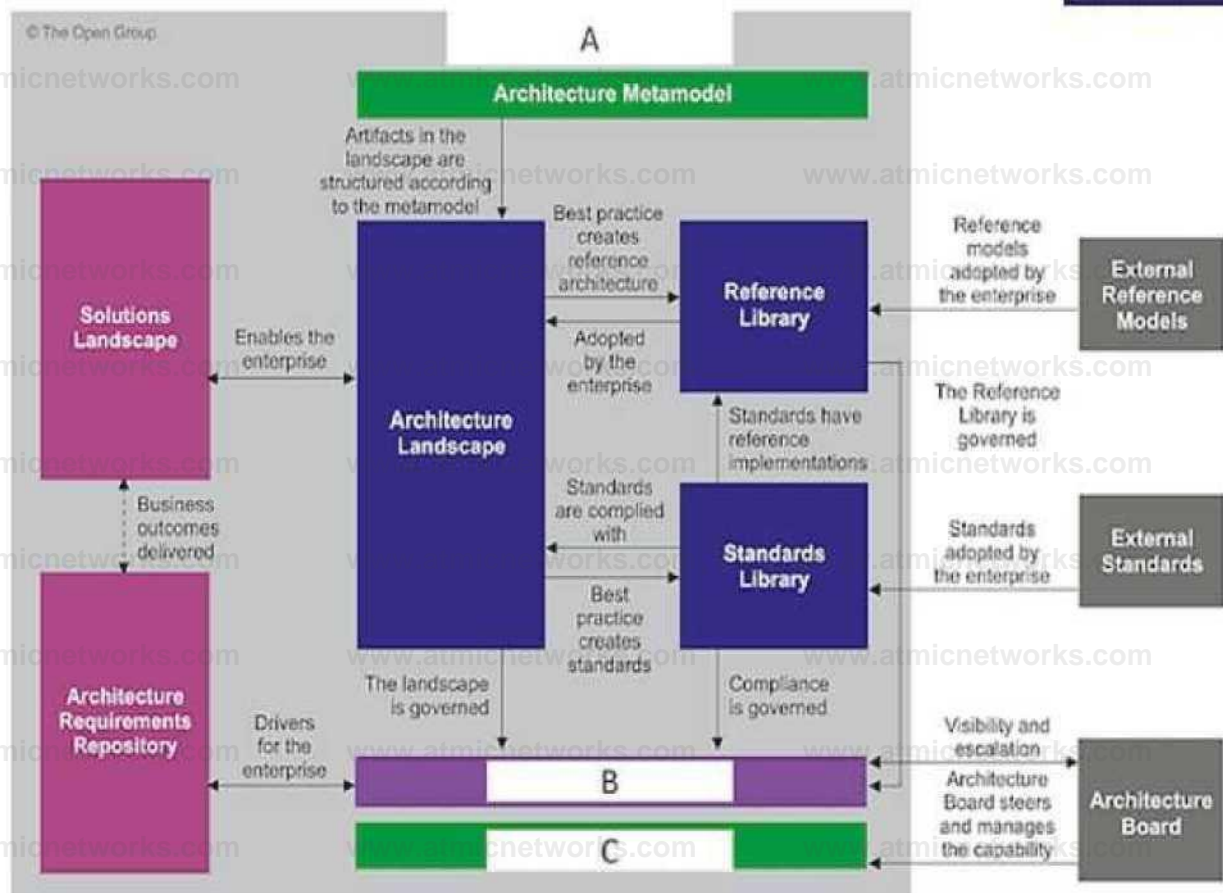
Reference:

- Deliverable: Architecture Requirements Specification - The Open Group

- Architecture Requirements Specification - Visual Paradigm Community Circle
- The TOGAF Standard, Version 9.2 - Definitions - The Open Group
- The TOGAF Standard, Version 9.2 - Architecture Requirements Specification - The Open Group

Question: 79

Exhibit:



Consider the illustration. What are the items labelled A, B, and C?

- A. A-Enterprise Repository, B-Governance Repository, C-Board Repository
- B. A-Architecture Repository, B-Governance Repository, C-Architecture Capability
- C. A-Architecture Repository, B-Governing Board, C-Enterprise Capability
- D. A-Enterprise Repository, B-Board repository, C-Enterprise Capability

Answer: C

Explanation:

A-Architecture Repository: This is a part of the Architecture Metamodel that contains artifacts structured according to the metamodel. It includes the Architecture Landscape which is adopted by the enterprise and governed by certain standards and practices.

B-Governing Board: The Governing Board ensures visibility and escalation, meaning it oversees and manages the capability of the architecture landscape. It plays a crucial role in governance.

C-Enterprise Capability: This refers to how well an enterprise can execute its mission, meet business objectives or satisfy its stakeholders' needs and expectations. It's influenced by both internal factors (like resources, processes) and external ones (like market trends).

TOGAF Version 9.1, Chapter 34: 1

Question: 80

Consider the following statements:

1. Groups of countries, governments, or governmental organizations (such as militaries) working together to create common or shareable deliverables or infrastructures
2. Partnerships and alliances of businesses working together, such as a consortium or supply chain

What are those examples of according to the TOGAF Standard?

- A. Enterprises
- B. Organizations
- C. Business Units
- D. Architectures Scopes

Answer: A

Explanation:

According to the TOGAF standard, the two statements provided refer to different scopes within which architecture can be developed:

Groups of countries, governments, or governmental organizations working together typically align with broader, often

international, scopes of architecture that transcend individual enterprise boundaries.

Partnerships and alliances of businesses working together, such as a consortium or supply chain, refer to collaborative efforts that can define architecture at a scope involving multiple enterprises.

In both cases, the term "Architectures Scopes" is appropriate because it reflects the varying levels and contexts in which architectures can be defined, ranging from single business units to collaborative inter-organizational efforts.

Question: 81

Consider the following statement.

According to the TOGAF standard, a governed approach of a particular deliverable will ensure adherence to the principles, standards, and requirements of the existing or developing architectures.

Which deliverable does this refer to?

- A. The Architecture Vision
- B. The Statement of Architecture Work
- C. An Architecture Contract
- D. The Architecture Definition Document

Answer: C

Explanation:

According to the TOGAF Standard, 10th Edition, an architecture contract is "a formal agreement between a service provider and a service consumer that defines the mutual commitments and expectations for the delivery of an architecture" 1. An architecture contract is a governed approach of a particular deliverable that will ensure adherence to the principles, standards, and requirements of the existing or developing architectures, as it specifies the roles, responsibilities, deliverables, quality criteria, and acceptance criteria for the architecture work 1. The other options are not correct, as they are not governed approaches of a particular deliverable, but rather different types of deliverables within the architecture development process. An architecture vision is "a high-level, aspirational view of the target architecture" 1. A statement of architecture work is "a document that defines the scope and approach that will be used to complete an architecture project" 1. An architecture definition document is "a document that describes the baseline and target architectures for one

or more domains” 1.

Reference: 1: TOGAF Standard, 10th Edition, Part I: Introduction, Chapter 3: Definitions.

Question: 82

Complete the sentence. When considering agile development, Architecture to Support Portfolio will identify what products the Enterprise needs, the boundary of the products, and what constraints a product owner has; this defines the

Enterprise's

- A. risk tolerance
- B. business continuity
- C. backlog
- D. operating model

Answer: C

Explanation:

When considering agile development, Architecture to Support Portfolio will identify the necessary products for the enterprise, define their boundaries, and outline the constraints for a product owner. This process directly relates to defining the enterprise's backlog, which in agile methodologies, is a prioritized list of work for the development team that is derived from the roadmap and its requirements.

Question: 83

Complete the sentence. The four purposes that typically frame the planning horizon, depth and breadth of an Architecture Project, and the contents of the EA Repository are Strategy, Portfolio,

- A. Project, and Solution Delivery.
- B. Subordinate, and Superior Architecture.
- C. Discreet, and Cohesive.
- D. Segment, and End-to-end Target Architecture.

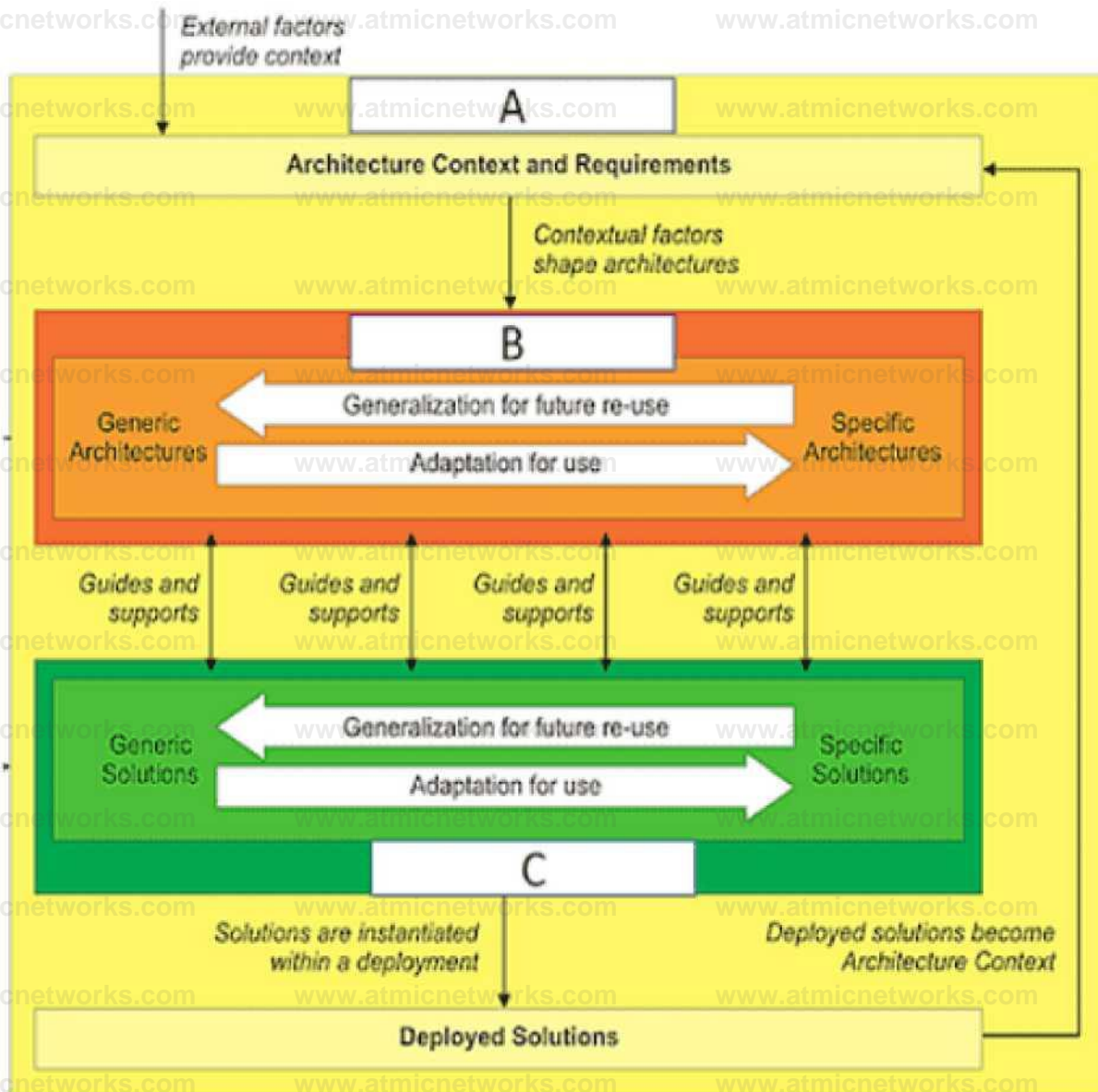
Answer: A

Explanation:

The planning horizon, depth, and breadth of an Architecture Project, along with the contents of the EA Repository, are typically framed by Strategy, Portfolio, Segment, and End-to-end Target Architecture. The 'Segment' refers to a part of the organization, typically addressed in a Segment Architecture, while 'End-to-end Target Architecture' encompasses the complete view of the planned architecture across the entire organization.

Question: 84

Consider the illustration.



What are the items labelled A, B and C?

- A. A-Enterprise Continuum, B-Architecture Continuum, C-Solutions Continuum
- B. A-Enterprise Architecture, B-Architecture Building Blocks, C-Solutions Building Blocks
- C. A-Architecture Vision, B-Business Architecture, C-Information Systems Architecture
- D. A-Enterprise Strategic Architecture, B-Segment Architecture, C-Solutions Architecture

Answer: A

Explanation:

The illustration shows the relationship between the Enterprise Continuum, the Architecture Continuum, and the Solutions Continuum, which are key concepts in the TOGAF framework. The Enterprise Continuum is a view of the Architecture Repository that shows how generic foundation architectures can be leveraged and specialized to support the requirements of an individual organization. The Architecture Continuum specifies a structured classification for architectural artifacts, such as models, patterns, and descriptions, that can be reused and adapted across different domains and levels of abstraction. The Solutions Continuum identifies implemented solutions that support various stages of business and IT capability evolution, such as common systems, industry solutions, and organization-specific solutions. The illustration also shows how the architecture context and requirements are influenced by external factors, such as business drivers, stakeholders, and standards, and how they shape the generic and specific architectures and solutions. The illustration also shows how the deployed solutions become part of the architecture context for future iterations of the architecture development cycle.

Reference:

- TOGAF Standard, 10th Edition, Part II: Architecture Development Method, Chapter 6: Architecture Repository, Section 6.2 Enterprise Continuum.
- TOGAF Standard, 10th Edition, Part IV: Architecture Content Framework, Chapter 35: Enterprise Continuum and Tools, Section 35.1 Introduction.

Question: 85

Which section of the TOGAF template for Architecture Principles should highlight the business benefits of adhering to the principle?

- A. Rationale
- B. Name
- C. Implications
- D. Statement

Answer: A

Explanation:

According to the TOGAF Standard, 10th Edition, the rationale section of the architecture principles template should highlight the business benefits of adhering to the principle, as well as the business risks of not adhering to it 1. The rationale section should explain the reasoning behind the principle, and provide evidence or arguments to support it. The rationale section should also link the principle to the business drivers, goals, and objectives of the enterprise, and show how the principle contributes to the value and success of the enterprise. The other options are not correct, as they have different purposes in the architecture principles template. The name section should provide a short and memorable name for the principle, such as “Information is an Asset” or “Business Continuity” 1. The statement section should provide a concise and formal statement of the principle, such as “The enterprise’s information is recognized as a core asset, and is managed accordingly” or “The enterprise’s ability to provide critical services and products must be maintained in the event of a disaster” 1. The implications section should identify the impact of the principle on the enterprise, such as the changes, costs, benefits, and risks that may result from applying or violating the principle 1.

Reference: 1: TOGAF Standard, 10th Edition, Part III: ADM Guidelines and Techniques, Chapter 23: Architecture Principles, Section 23.3 Developing Architecture Principles.

Question: 86

In which phase(s) of the ADM would you deal with the actions resulting from a transformation readiness assessment?

- A. Phase F
- B. Phase G
- C. Phase E and F
- D. Phase A

Answer: C

Explanation:

According to the TOGAF Standard, 10th Edition, a transformation readiness assessment is a technique that evaluates the preparedness of the organization to undergo a change, and identifies the actions needed to increase the likelihood of a successful outcome. A transformation readiness assessment can be conducted in Phase E: Opportunities and Solutions, and the actions resulting from it can be dealt with in Phase F: Migration Planning 1. In Phase E, the transformation readiness assessment can help to identify the major implementation challenges and risks, and to define the critical success factors and key performance indicators for the architecture project. In Phase F, the actions resulting from the transformation readiness assessment can help to develop a detailed and realistic migration plan, and to address the gaps, issues, and dependencies that may affect the transition to the target architecture 1.

Reference: 1: TOGAF Standard, 10th Edition, Part III: ADM Guidelines and Techniques, Chapter 29: Business

Transformation Readiness Assessment.

Question: 87

What is present in all phases within the ADM and should be identified, classified and mitigated before starting a transformation effort?

- A. Budgetary constraints
- B. Risk
- C. Schedule constraints
- D. Information gaps

Answer: B

Explanation:

According to the TOGAF Standard, 10th Edition, risk is present in all phases within the Architecture Development Method (ADM), and it should be identified, classified, and mitigated before starting a transformation effort 1. Risk is defined as “the effect of uncertainty on objectives” 2, and it can have positive or negative impacts on the architecture project. Risk management is a technique that helps to assess and address the potential risks that may affect the achievement of the architecture objectives, and to balance the trade-offs between opportunities and threats. Risk management is applied throughout the ADM cycle, from the Preliminary Phase to the Requirements Management Phase, and it is integrated with other techniques, such as stakeholder management, business transformation readiness assessment, gap analysis, and migration planning 1. The other options are not correct, as they are not present in all phases within the ADM, and they are not necessarily identified, classified, and mitigated before starting a transformation effort. Budgetary constraints are the limitations on the financial resources available for the architecture project, and they are usually considered in Phase E: Opportunities and Solutions, and Phase F: Migration Planning 3. Schedule constraints are the limitations on the time available for the architecture project, and they are also usually considered in Phase E and F 3. Information gaps are the missing or incomplete data or knowledge that may affect the architecture project, and they are usually identified in Phase B: Business Architecture, Phase C: Information Systems Architecture, and Phase D: Technology Architecture .

Reference: 1: TOGAF Standard, 10th Edition, Part III: ADM Guidelines and Techniques, Chapter 32: Risk Management. 2:

TOGAF Standard, 10th Edition, Part I: Introduction, Chapter 3: Definitions. 3: TOGAF Standard, 10th Edition, Part II: Architecture Development Method, Chapter 16: Phase E: Opportunities and Solutions, and Chapter 17: Phase F:

Migration Planning. : TOGAF Standard, 10th Edition, Part II: Architecture Development Method, Chapter 13: Phase B:

Business Architecture, Chapter 14: Phase C: Information Systems Architecture, and Chapter 15: Phase D: Technology Architecture.

Question: 88

Which phase of the ADM has the purpose to develop an Enterprise Architecture Capability?

- A. Phase G
- B. Preliminary Phase
- C. Phase A
- D. Phase B

Answer: B

Explanation:

According to the TOGAF Standard, 10th Edition, the Preliminary Phase of the Architecture Development Method (ADM) has the purpose to develop an Enterprise Architecture Capability 1. An

Enterprise Architecture Capability is the ability of the organization to perform the activities and tasks related to Enterprise Architecture, such as defining the scope, principles, vision, governance, and stakeholders of the architecture. The Preliminary Phase also establishes the architecture framework, the architecture repository, the architecture tools, and the architecture team 1. The other options are not correct, as they have different purposes in the ADM. Phase G: Implementation Governance has the purpose to ensure that the implementation projects conform to the target architecture 2. Phase A: Architecture Vision has the purpose to define the scope, stakeholders, business drivers, and objectives of the architecture project 3. Phase B: Business Architecture has the purpose to describe the baseline and target business architecture, and to identify the gaps between them .

Reference: 1: TOGAF Standard, 10th Edition, Part II: Architecture Development Method, Chapter 6: Preliminary Phase. 2: TOGAF Standard, 10th Edition, Part II: Architecture Development Method, Chapter 18: Phase G: Implementation Governance. 3: TOGAF Standard, 10th Edition, Part II: Architecture Development Method, Chapter 12: Phase A: Architecture Vision. : TOGAF Standard, 10th Edition, Part II: Architecture Development Method, Chapter 13: Phase B: Business Architecture.

Question: 89

Complete the following sentence. In the ADM, documents which are under development and have not undergone any formal review and approval process are called Documents which have been reviewed and approved are called

- A. "draft"- "finalized"
- B. "draft"- "approved"
- C. "concept" - "deliverable"
- D. "Version 0.1" - "Version 1.0"

Answer: B

Explanation:

According to the TOGAF Standard, 10th Edition, documents which are under development and have not undergone any formal review and approval process are called draft documents, while documents which have been reviewed and approved are called approved documents 1. Draft documents are typically marked with a version number of 0.x, indicating that they are incomplete or provisional. Approved documents are typically marked with a version number of 1.0 or higher, indicating that they have been finalized and authorized. The other options are not correct, as they are not the terms

used by the TOGAF Standard to distinguish between documents under development and documents that have been reviewed and approved. The terms “finalized”, “concept”, “deliverable”, and “Version 0.1” and “Version 1.0” are not specific to the TOGAF Standard, and they may have different meanings or interpretations in different contexts.

Reference: 1: TOGAF Standard, 10th Edition, Part II: Architecture Development Method, Chapter 7:

Applying Iteration to the ADM, Section 7.2.3 Document Categorization.

Question: 90

According to the TOGAF standard, what term describes an individual with an interest in a system?

- A. stakeholder
- B. consumer

C. lead architect

D. sponsor

Answer: A

Explanation:

According to the TOGAF Standard, 10th Edition, a stakeholder is “an individual with an interest in a system” 1. A stakeholder can be anyone who is affected by the system, or who can influence or be influenced by the system. Stakeholders can have different roles, perspectives, and concerns regarding the system, and they can be internal or external to the organization. Stakeholder management is a technique that helps to identify, analyze, and engage the stakeholders of an architecture project, and to address their needs and expectations 2. The other options are not correct, as they are not the term used by the TOGAF Standard to describe an individual with an interest in a system. A consumer is “an individual or group that uses a product or service” 1. A lead architect is “an individual who is responsible for leading the development of an architecture” 1. A sponsor is “an individual who provides funding and support for an architecture project” 1.

Reference: 1: TOGAF Standard, 10th Edition, Part I: Introduction, Chapter 3:Definitions. 2: TOGAF Standard, 10th Edition, Part III: ADM Guidelines and Techniques, Chapter 24: Stakeholder Management.

Question: 91

Which of the following describes the practice by which the enterprise architecture is managed and controlled at an enterprise-wide level?

A. Corporate governance

B. Architecture governance

C. IT governance

D. Technology governance

Answer: B

Explanation:

According to the TOGAF Standard, 10th Edition, architecture governance is “the practice by which enterprise

architectures and other architectures are managed and controlled at an enterprise-wide level” 1. Architecture governance ensures that the architecture development and implementation are aligned with the strategic objectives, principles, standards, and requirements of the enterprise, and that they deliver the expected value and outcomes. Architecture governance also involves establishing and maintaining the architecture framework, repository, board, contracts, and compliance reviews 1. The other options are not correct, as they are not the term used by the TOGAF Standard to describe the practice by which the enterprise architecture is managed and controlled at an enterprise-wide level. Corporate governance is “the system by which an organization is directed and controlled” 2, and it covers aspects such as leadership, strategy, performance, accountability, and ethics. IT governance is “the system by which the current and future use of IT is directed and controlled” 2, and it covers aspects such as IT strategy, policies, standards, and services. Technology governance is “the system by which the technology decisions and investments are directed and controlled” 3, and it covers aspects such as technology selection, acquisition, deployment, and maintenance.

Reference: 1: TOGAF Standard, 10th Edition, Part VI: Architecture Governance, Chapter 44: Introduction. 2: TOGAF Standard, 10th Edition, Part I: Introduction, Chapter 3: Definitions. 3: TOGAF Series Guide: Using the TOGAF Framework to Define and Govern Service-Oriented Architectures, Part II: Using the TOGAF Framework to Define and Govern Service-Oriented Architectures, Chapter 5: Technology Governance.

Question: 92

Which of the following is a responsibility of an Architecture Board?

- A. Determining the scope of an architecture compliance review
- B. Allocating resources for architecture projects
- C. Conducting assessments of the maturity level of architecture discipline within the organization
- D. Achieving consistency between sub-architectures

Answer: D

Explanation:

One of the key responsibilities of an Architecture Board within the context of TOGAF is to achieve consistency between sub-architectures. This board is typically responsible for overseeing the development and maintenance of the enterprise architecture, ensuring that it aligns with the organization's overall strategy and objectives. They play a critical role in ensuring that all subarchitectures (like Business Architecture, Data Architecture, Application Architecture, and Technology Architecture) work together cohesively and support the overall enterprise architecture vision and strategy.

Question: 93

Which of the following best describes the Standards Library?

- A. A repository area holding a record of the governance activity across the enterprise
- B. A repository area holding processes to support governance of the Architecture Repository
- C. A repository area holding guidelines and templates used to create new architectures
- D. A repository area holding specifications to which architectures must conform

Answer: D

Explanation:

The Standards Library is an essential component of the TOGAF Architecture Repository. It contains specifications, standards, and guidelines that architectures must conform to in an enterprise. This repository area ensures consistency in architectural development and compliance with **organizational and industry standards**.

According to TOGAF 10, the Standards Library holds "specifications to which architectures must conform" (Section 41.6, The Architecture Repository).

It is used during architecture development to ensure compliance with enterprise-wide standards, **industry best practices**, and regulatory requirements.

The Architecture Governance Framework relies on the Standards Library to enforce compliance and establish **governance checkpoints**.

Incorrect Options:

Option A: Describes the Governance Log, not the Standards Library.

Option B: More relevant to the Governance Repository, which supports architecture governance **processes**.

Option C: Refers to the Reference Library, which provides templates and guidelines, not enforceable standards.

Reference:

TOGAF Standard, 10th Edition – Part VI: Architecture Capability Framework, Chapter 41 (The Architecture Repository).

Question: 94

Refer to the table below:

Phase	Output & Outcome	Essential Knowledge
?	Completion of the projects to implement the changes necessary to reach the adjusted target state.	Purpose and constraints on the implementation team. (Gap, Architecture Requirement Specification, Control) How stakeholder priority and preference adjust in response to success, value, effort, and risk of change. (Stakeholder Requirements)

Which ADM Phase does this describe?

- A. Phase E
- B. Phase A
- C. Phase G
- D. Phase F

Answer: D

Explanation:

The description provided aligns with Phase F: Migration Planning in the TOGAF ADM. This phase focuses on finalizing and implementing the projects necessary to reach the adjusted target state.

Phase F Objective:

Ensures projects and work packages are well-defined and align with stakeholder priorities.

Translates architecture changes into actionable implementation projects.

Assesses risk, value, and effort in implementation.

Establishes the Implementation and Migration Plan.

Key Outputs of Phase F:

Architecture Roadmap (Updated)

Implementation and Migration Plan

Governance Model for Change Implementation

Why Other Options Are Incorrect:

Option A (Phase E: Opportunities and Solutions): Focuses on defining projects and high-level solutions, but does not complete their implementation planning.

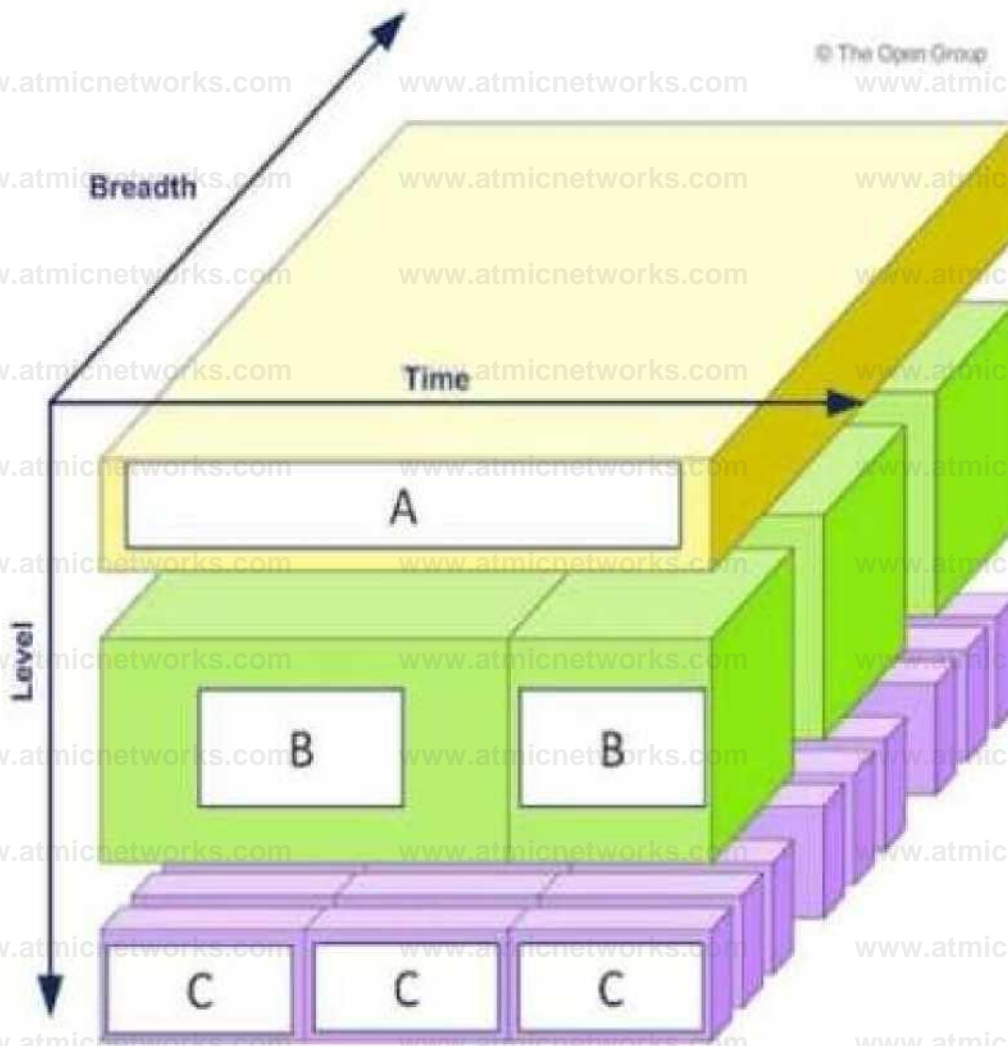
Option B (Phase A: Architecture Vision): Establishes high-level goals but does not involve migration planning.

Option C (Phase G: Implementation Governance): Ensures the execution aligns with architecture, but does not define projects for migration.

Reference:

Question: 95

Consider the diagram showing a classification model for Architecture Landscapes.



What are the items labelled A, B and C?

- A. A-Strategy Architecture. B-Tactic Architecture, C-Operational Architecture
- B. A-Architecture Vision. B-Business Architecture. C-Architecture Development
- C. A-Corporate Capability. B-Portfolio Capability. C-Project Capability
- D. A-Enterprise Strategic Architecture. B-Segment Architecture. C-Capability Architecture

Answer: D

Explanation:

Question: 96

Which of the following best describes the TOGAF Architecture Development Method?

- A. A process for managing and controlling change at an enterprise-wide level
- B. A process for managing architecture requirements
- C. A method for developing and managing the lifecycle of an Enterprise Architecture
- D. A process for creating an Architecture Repository

Answer: C

Explanation:

Question: 97

Complete the sentence: The purpose of the Preliminary Phase is to develop the:

- A. Organization Model for Enterprise Architecture
- B. Architecture Roadmap
- C. Implementation Governance Model
- D. Architecture Vision for the project

Answer: A

Explanation:

Comprehensive and Detailed In-Depth Explanation from Expert in Enterprise Architecture, guiding in TOGAF and

ArchiMate:

In the TOGAF Architecture Development Method (ADM), the Preliminary Phase is a foundational phase whose primary purpose is to establish and prepare the Architecture Capability within the enterprise. This phase ensures that the organization is structurally, procedurally, and culturally ready to undertake architecture work in a consistent and governed manner.

A core outcome of this phase is the Organization Model for Enterprise Architecture, which defines:

Architecture roles and responsibilities (e.g., Chief Architect, Domain Architects)

Reporting and decision-making structures

Architecture governance bodies (such as Architecture Boards)

Interaction with other governance and management processes

Accountability and ownership for architecture activities

The Organization Model enables repeatable, controlled, and effective execution of the ADM across initiatives. Without this model, architecture work would lack authority, consistency, and governance alignment.

Why Option A is correct:

The Preliminary Phase explicitly focuses on defining and establishing the Organizational Model for Enterprise Architecture as part of building the enterprise's Architecture Capability.

Why the other options are incorrect:

B . Architecture Roadmap: This is developed later in the ADM when solution options, work packages, and migration paths are defined, mainly in Phases E (Opportunities & Solutions) and F (Migration Planning).

C . Implementation Governance Model: This is primarily addressed in Phase G (Implementation Governance), where architecture compliance and realization are governed.

D . Architecture Vision for the project: The Architecture Vision is the main deliverable of Phase A (Architecture Vision), which follows the Preliminary Phase.

Authoritative

Reference (TOGAF Standard):

TOGAF ADM – Preliminary Phase: Objectives and Key Activities

TOGAF Architecture Capability Framework

TOGAF Architecture Governance concepts

These sources clearly state that the Preliminary Phase exists to define and establish the Organizational Model for Enterprise Architecture, making Option A the correct and fully aligned answer.

Question: 98

Consider the following descriptions of deliverables consumed and produced across the TOGAF ADM cycle.

General rules and guidelines, intended to be enduring and seldom amended, that inform and support the way in which an organization sets about fulfilling its mission

The joint agreements between development partners and sponsors on the deliverables, quality, and fitness-for-purpose of an architecture

A document that is sent from the sponsoring organization to the architecture organization to trigger the start of an architecture development cycle

A set of quantitative statements that outline what an implementation project must do in order to comply with the architecture

Complete the sentence. Deliverable 3 is an output of, deliverable 4 can form:

- A. Phase A, the plan for how the architecture is governed
- B. Phase A, an assessment of the changes to the architecture
- C. the Preliminary Phase, an approach to change for the Implementation and Migration Plan
- D. the Preliminary Phase, a major component of an implementation project

Answer: A

Explanation:

Comprehensive and Detailed In-Depth Explanation from Expert in Enterprise Architecture, guiding in TOGAF and ArchiMate:

To answer this question correctly, it is necessary to identify the TOGAF-defined deliverables:

Deliverable 3 is the Request for Architecture Work. This document is formally issued by the sponsoring organization to the architecture function to initiate a new ADM cycle or iteration.

Deliverable 4 corresponds to Architecture Requirements, which are expressed as quantitative, testable statements that implementation projects must satisfy to claim architectural compliance.

Why Option A is correct:

The Request for Architecture Work is a key output of Phase A (Architecture Vision). Phase A formally initiates the ADM cycle, establishes scope, stakeholders, constraints, and secures approval to proceed.

Architecture Requirements form a critical input to Architecture Governance, specifically contributing to the plan for how the architecture is governed, including compliance assessments, checkpoints, and governance controls during implementation.

Why the other options are incorrect:

B. Phase A, an assessment of the changes to the architecture: Impact and change assessments are not the primary formation purpose of Architecture Requirements.

C. the Preliminary Phase, an approach to change for the Implementation and Migration Plan: The Request for Architecture Work is not produced in the Preliminary Phase; that phase focuses on establishing Architecture Capability.

D. the Preliminary Phase, a major component of an implementation project: Architecture Requirements guide implementation but are not classified as a "major component" of the project itself.

Authoritative TOGAF

Reference:

TOGAF ADM Phase A – Architecture Vision (Request for Architecture Work)

TOGAF Architecture Requirements Management

TOGAF Architecture Governance Framework

Question: 99

Complete the sentence. The purpose of creating a set of Architecture Principles is to:

- A. document likely impacts
- B. enable an understanding of the culture and values of the enterprise
- C. establish a common understanding of how to control the business in pursuit of strategic goals
- D. agree a contract between sponsoring organization and the architects

Answer: C

Explanation:

Comprehensive and Detailed In-Depth Explanation from Expert in Enterprise Architecture, guiding in TOGAF and

ArchiMate:

Architecture Principles are fundamental statements that define the rules and guidelines for architecture decision-making.

They are designed to guide and constrain the development, implementation, and governance of architectures across the enterprise.

The primary purpose of Architecture Principles is to:

Establish a shared and consistent understanding of how the enterprise operates and makes decisions

Guide architecture development in alignment with business strategy and objectives

Provide a stable basis for governance, compliance, and trade-off decisions

Ensure architecture supports long-term enterprise goals rather than short-term project optimization

Why Option C is correct:

Architecture Principles establish a common understanding of how to control and guide the business in pursuit of strategic goals. They act as enduring rules that influence behavior, investment decisions, and architectural choices.

Why the other options are incorrect:

A . document likely impacts: Impact analysis is a separate activity and not the primary purpose of principles.

B . enable an understanding of the culture and values of the enterprise: While principles may reflect culture and values, this is a secondary effect, not their main purpose.

D . agree a contract between sponsoring organization and the architects: This describes the role of an Architecture Contract, not Architecture Principles.

Authoritative TOGAF

Reference:

TOGAF Architecture Principles

TOGAF Architecture Content Framework

TOGAF Architecture Governance and Compliance Concepts

Question: 100

According to the TOGAF standard, what are the two levels of risk that should be monitored?

A. Technical and Financial level

B. Mitigated and Revised level

C. Operational and Strategic level

D. Initial and Residual level

Answer: D

Explanation:

Comprehensive and Detailed In-Depth Explanation from Expert in Enterprise Architecture, guiding in TOGAF and ArchiMate:

TOGAF adopts a formal risk management perspective aligned with widely accepted enterprise risk management practices. Within the ADM, risks are identified, analyzed, treated, and monitored throughout all phases, particularly during Architecture Governance and Implementation Governance.

TOGAF explicitly distinguishes between:

Initial Risk:

The level of risk identified before any mitigation actions are applied. This represents the inherent exposure associated with an architecture decision, solution, or implementation approach.

Residual Risk:

The level of risk that remains after mitigation measures have been applied. This residual risk must be explicitly accepted, monitored, or further treated by governance bodies.

Why Option D is correct:

TOGAF requires both Initial and Residual risks to be documented and monitored to ensure informed decision-making and effective governance throughout the ADM lifecycle.

Why the other options are incorrect:

A . Technical and Financial level: These are categories of risk, not the two monitoring levels defined by TOGAF.

B . Mitigated and Revised level: These terms are not used as formal risk levels in TOGAF.

C . Operational and Strategic level: These describe business risk domains, not TOGAF-defined monitoring levels.

Authoritative TOGAF

Reference:

TOGAF Risk Management

TOGAF Architecture Governance

TOGAF ADM Guidelines and Techniques – Risk Management

Question: 101

This deliverable is most often produced as an output of the Preliminary Phase. It can also be created because of an approved architecture change request.

What is this deliverable?

- A. Architecture Vision
- B. Requirements Impact Assessment
- C. Statement of Architecture Work
- D. Request for Architecture Work

Answer: C

Explanation:

Comprehensive and Detailed In-Depth Explanation from Expert in Enterprise Architecture, guiding in TOGAF and

ArchiMate:

The Statement of Architecture Work is a key governance and control document in TOGAF. It defines:

Scope of the architecture work

Constraints and assumptions

Deliverables and milestones

Roles, responsibilities, and acceptance criteria

Governance and approval mechanisms

Why Option C is correct:

The Statement of Architecture Work is most commonly produced in the Preliminary Phase to formally define how architecture work will be conducted once the Architecture Capability is established.

It may also be re-created or updated following an approved Architecture Change Request, ensuring controlled continuation or re-initiation of architecture activities.

Why the other options are incorrect:

A . Architecture Vision: This is produced in Phase A, not the Preliminary Phase.

B . Requirements Impact Assessment: This is associated with change management and requirements handling, not a standard Preliminary Phase output.

D . Request for Architecture Work: This is typically an input to Phase A, not a primary output of the Preliminary Phase.

Authoritative TOGAF

Reference:

TOGAF Architecture Capability Framework

TOGAF ADM – Preliminary Phase

TOGAF Architecture Governance

Question: 102

Which statement best describes the main purpose of the TOGAF Content Framework?

- A. To drive consistency in the outputs when following the ADM.
- B. To prevent gaps in the target architecture deliverable set.
- C. To store the artifacts identified in the Architecture Repository.
- D. To address IT system concerns relevant to an enterprise.

Answer: A

Explanation:

Comprehensive and Detailed In-Depth Explanation from Expert in Enterprise Architecture, guiding in TOGAF and ArchiMate:

The TOGAF Content Framework provides a structured model for architecture outputs, defining:

Deliverables

Artifacts

Building Blocks

Relationships between architectural content across domains

Its primary intent is to ensure that architecture work produced through the ADM is consistent, complete, and reusable, regardless of the project, team, or iteration.

Why Option A is correct:

The Content Framework exists to drive consistency and standardization of architecture outputs when

applying the ADM, enabling comparability, governance, and reuse across the enterprise.

Why the other options are incorrect:

B . To prevent gaps in the target architecture deliverable set: Gap avoidance is a benefit, but not the main stated purpose.

C . To store the artifacts identified in the Architecture Repository: Storage is the role of the Architecture Repository, not the Content Framework.

D . To address IT system concerns relevant to an enterprise: This is too narrow and ignores business, data, and application domains.

Authoritative TOGAF

Reference:

TOGAF Architecture Content Framework

TOGAF ADM Deliverables and Artifacts

TOGAF Architecture Repository

Question: 103

Consider the following ADM phase objectives.

Objective

1 Determine whether an incremental approach is required, and if so identify Transition

Architectures that will deliver continuous business value

2 Generate the initial complete version of the Architecture Roadmap, based upon the gap analysis and candidate Architecture Roadmap components from Phases B, C, and D

3 Finalize the Architecture Roadmap and the supporting Implementation and Migration Plan

4 Ensure that the business value and cost of work packages and Transition Architectures is understood by key stakeholders

Which two are objectives of ADM Phase F?

A. 3 & 4

B. 1 & 3

C. 1 & 2

D. 2 & 3

Answer: A

Explanation:

Comprehensive and Detailed In-Depth Explanation from Expert in Enterprise Architecture, guiding in TOGAF and

ArchiMate:

ADM Phase F (Migration Planning) focuses on finalizing the Architecture Roadmap and Implementation and Migration Plan and ensuring they are viable, cost-effective, and clearly understood by decision-makers.

Phase F key objectives include:

Finalizing the Architecture Roadmap

Finalizing the Implementation and Migration Plan

Ensuring costs, benefits, risks, and dependencies of work packages and Transition Architectures are understood

Gaining approval for implementation sequencing and priorities

Why Option A is correct:

Objective 3 directly states the finalization of the Architecture Roadmap and supporting Implementation and Migration Plan, which is a core Phase F responsibility.

Objective 4 aligns with Phase F's requirement to ensure that business value, cost, and trade-offs are understood by stakeholders prior to implementation approval.

Why the other options are incorrect:

Objective 1 belongs primarily to Phase E (Opportunities and Solutions), where incremental delivery and Transition

Architectures are identified.

Objective 2 also belongs to Phase E, where the initial complete Architecture Roadmap is generated from Phases B, C, and D outputs.

Authoritative TOGAF

Reference:

TOGAF ADM Phase F – Migration Planning

TOGAF Architecture Roadmap and Implementation and Migration Plan

Question: 104

What are the three levels of the Architecture Landscape?

- A. Segment, Enterprise Strategic, and Capability Architectures
- B. Baseline, Transition, and To-Be Architectures
- C. Gaps, Plateaus, and Target Architectures
- D. Transitional, Complete, and Incremental Architectures

Answer: B

Explanation:

Comprehensive and Detailed In-Depth Explanation from Expert in Enterprise Architecture, guiding in TOGAF and ArchiMate:

The Architecture Landscape in TOGAF describes the state of architectures across time and change. It provides a temporal view that allows enterprises to plan, govern, and manage transformation.

The three levels of the Architecture Landscape are:

Baseline Architecture – the current, “as-is” state of the enterprise

Transition Architectures – intermediate, planned states that move the enterprise from Baseline to Target

Target (To-Be) Architecture – the desired future state

Why Option B is correct:

These three levels represent TOGAF’s standard classification of architecture states within the Architecture Landscape.

Why the other options are incorrect:

A . Segment, Enterprise Strategic, and Capability Architectures: These are architecture scopes, not landscape levels.

C . Gaps, Plateaus, and Target Architectures: Gaps and Plateaus are analysis constructs, not landscape levels.

D . Transitional, Complete, and Incremental Architectures: These are not TOGAF-defined landscape levels.

Authoritative TOGAF

Reference:

TOGAF Architecture Landscape

TOGAF Enterprise Continuum

Question: 105

Which of the following describes the concept of an Enterprise Architecture Capability?

- A. The ability to distinguish between different types of architectural assets that exist at different levels of abstraction in the enterprise.
- B. The ability to follow general rules and guidelines that relate to Enterprise Architecture work and that enable decision-making.
- C. The ability to develop, use, and sustain the architecture of a particular enterprise using architecture to govern change.
- D. The ability to strike a balance between positive and negative outcomes resulting from the realization of opportunities.

Answer: C

Explanation:

Comprehensive and Detailed In-Depth Explanation from Expert in Enterprise Architecture, guiding in TOGAF and

ArchiMate:

In TOGAF, an Enterprise Architecture Capability represents the organizational ability to effectively perform architecture work on an ongoing basis. It encompasses people, processes, governance, tools, and skills required to create and use architecture to guide enterprise change.

This capability enables the enterprise to:

Develop architectures across domains and scopes

Apply architecture consistently to guide strategy and execution

Govern change through architecture principles, standards, and compliance

Sustain architecture practices over time

Why Option C is correct:

Option C accurately reflects TOGAF's definition: the ability to develop, use, and sustain architecture as a means of governing enterprise change.

Why the other options are incorrect:

A describes the Enterprise Continuum, not capability.

B describes Architecture Principles, not the overall capability.

D describes risk management, not architecture capability.

Authoritative TOGAF

Reference:

TOGAF Architecture Capability Framework

TOGAF Enterprise Architecture Definition

TOGAF Architecture Governance

Question: 106

What can be introduced to formalize a joint agreement between development partners and sponsors on the deliverables, quality, and fitness-for-purpose of an architecture?

- A. Service Level Agreements
- B. Non-disclosure Agreement
- C. The Statement of Architecture Work
- D. Architecture Contracts

Answer: D

Explanation:

Comprehensive and Detailed In-Depth Explanation from Expert in Enterprise Architecture, guiding in TOGAF and ArchiMate:

In TOGAF, Architecture Contracts are the formal mechanisms used to define and govern agreements between:

Architecture functions and implementation teams, or

Sponsoring organizations and development partners

Architecture Contracts specify:

Architecture deliverables

Quality criteria and fitness-for-purpose

Roles, responsibilities, and compliance requirements

Governance checkpoints and consequences of non-compliance

Why Option D is correct:

Architecture Contracts explicitly exist to formalize joint agreements regarding architecture outcomes and quality.

Why the other options are incorrect:

A . Service Level Agreements: Focus on operational service performance, not architecture governance.

B . Non-disclosure Agreement: Addresses confidentiality, not architecture deliverables or quality.

C . The Statement of Architecture Work: Defines scope and approach but is not a mutual governance contract.

Question: 107

Consider the following statements:

The TOGAF ADM requires a partitioning model for architecture development

Architectures are partitioned when different teams need to work on different elements of the architecture at the same time

Partitions can be used to facilitate architecture re-use

Which statements about Architecture Partitioning are correct?

A. 1 and 2

B. 1, 2 and 3

C. 1 and 3

D. 2 and 3

Answer: D

Explanation:

Comprehensive and Detailed In-Depth Explanation from Expert in Enterprise Architecture, guiding in TOGAF and

ArchiMate:

Architecture Partitioning is a technique supported by TOGAF to manage complexity and scale, especially in large

enterprises.

Correct statements:

Statement 2 is correct: Partitioning enables parallel work by multiple teams on different parts of the architecture.

Statement 3 is correct: Partitioning supports architecture re-use by isolating common or shared components.

Why Statement 1 is incorrect:

TOGAF does not mandate a partitioning model. It supports and recommends partitioning where appropriate, but it is not a required element of the ADM.

Question: 108

What concept enables the simultaneous operation of multiple ADM phases?

- A. Iteration
- B. Change Management
- C. Digital Transformation
- D. Transition Planning

Answer: A

Explanation:

Comprehensive and Detailed In-Depth Explanation from Expert in Enterprise Architecture, guiding in TOGAF and ArchiMate:

TOGAF explicitly allows the ADM to be executed in a non-linear and iterative manner.

Iteration enables:

Multiple ADM phases to be active at the same time

Overlapping work across architecture domains

Incremental refinement of architectures

Agile and responsive architecture development

Why Option A is correct:

Iteration is the TOGAF mechanism that enables simultaneous and repeated execution of ADM

phases.

Why the other options are incorrect:

B . Change Management: Controls change, but does not enable parallel ADM execution.

C . Digital Transformation: A business initiative, not an ADM execution concept.

D . Transition Planning: A specific planning activity, not an execution model.

Question: 109

Complete the sentence. The “Statement” part of the recommended TOGAF template for Architecture Principles:

- A. should be easy to remember
- B. should highlight the requirements for carrying out the principle
- C. should communicate the fundamental rule
- D. should highlight the business benefits

Answer: C

Explanation:

Comprehensive and Detailed In-Depth Explanation from Expert in Enterprise Architecture, guiding in TOGAF and

ArchiMate:

TOGAF defines a structured template for Architecture Principles, typically including:

Name

Statement

Rationale

Implications

The Statement:

Clearly and succinctly expresses the fundamental rule or directive

Is normative and prescriptive

Guides decision-making and behavior

Why Option C is correct:

The Statement’s purpose is to communicate the fundamental rule of the principle.

Why the other options are incorrect:

A relates to naming, not the statement.

B describes implications, not the statement.

D describes the rationale, not the statement.

Question: 110

Complete the sentence. _____ can be used to explain how generic solutions can be leveraged and specialized to meet the needs of an organization.

- A. The Architecture Repository
- B. The Solutions Landscape
- C. The TOGAF ADM
- D. The Enterprise Continuum

Answer: D

Explanation:

Comprehensive and Detailed In-Depth Explanation from Expert in Enterprise Architecture, guiding in TOGAF and ArchiMate:

The Enterprise Continuum is a TOGAF concept that provides a logical classification mechanism for architecture and solution assets, ranging from:

Generic, industry-wide solutions

To organization-specific architectures and implementations

It explains:

How generic architectures and solutions are adapted, specialized, and reused

The relationship between Foundation, Common Systems, Industry, and Organization-Specific assets

Why Option D is correct:

The Enterprise Continuum explicitly describes how generic solutions are leveraged and specialized to meet enterprise-specific needs.

Why the other options are incorrect:

- A . Architecture Repository: Stores assets but does not explain specialization.
- B . Solutions Landscape: Describes deployed solutions, not classification or specialization.
- C . TOGAF ADM: A development method, not a classification concept.

Topic 2, Part 2

Question: 111

Please read this scenario prior to answering the question

You are working as Chief Enterprise Architect at a large Internet company. The company has many divisions, ranging from cloud to logistics. The company has grown rapidly, expanding from initially selling physical books and media to a range of services including an online marketplace, live- streaming. eBooks. and cloud services.

Overall management of the numerous divisions has become challenging. Recent high-profile projects have overrun on budget and under delivered, damaging the company's reputation, and adversely impacting its share price. There is a widely held view within the executive management that the organization structure has played a major role in these project failures.

The company has an established Enterprise Architecture program based on the TOGAF standard, sponsored jointly by the Chief Executive Officer (CEO) and Chief Information Officer (CIO). The CEO has decided that the company needs to reorganize its divisions around artificial intelligence and machine learning with a focus on automation. The CEO has worked with the Enterprise Architects to create a strategic architecture for the reorganization, including an Architecture Vision, together with definitions for the four domain architectures. This sets out an ambitious vision of the future of the company over a three-year period. This includes a set of work packages and includes three distinct transformations.

The CIO has made it clear that prior to the approval of the detailed Implementation and Migration plan, the EA team will need to assess the risks associated with the proposed architecture. He has received concerns from key stakeholders across the company that the proposed reorganization may be too ambitious and there is doubt whether it can produce sufficient value to warrant the risks.

Refer to the scenario

You have been asked to recommend an approach to satisfy these concerns. Based on the TOGAF Standard, which of the following is the best answer?

- A. The Enterprise Architects should evaluate the organization's readiness to undergo change. This will allow the risks associated with the transformations to be identified, classified, and mitigated for. This should include identifying dependencies between the set of changes, including gaps and work packages. It will also identify improvement actions to be worked into the Implementation and Migration Plan. The business value, effort, and risk associated for each transformation should be determined.
- B. The Enterprise Architects should bring together information about potential approaches and produce several

alternative target transition architectures. They should then investigate the different architecture alternatives and discuss these with stakeholders using the Architecture Alternatives and Trade-offs technique. Once the target architecture has been selected, it should be analyzed using a state evolution table to determine the Transition Architectures. A value realization process should then be established to ensure that the concerns raised are addressed.

C. Establishing interoperability in alignment with the corporate operating model will ensure risks are minimized. The Enterprise Architects should apply an interoperability analysis to evaluate any potential issues across the architecture. This should include the development of a matrix showing the interoperability requirements. These can then be included within the transformation strategy embedded in the target transition architectures. The Enterprise Architects should then finalize the Architecture Roadmap and the Implementation and Migration Plan.

D. Before preparing the detailed Implementation and Migration plan, the Enterprise Architects should review and consolidate the gap analysis results from Phases B to This will identify the transformations required to achieve the proposed Target Architecture. The Enterprise Architects should then assess the readiness of the organization to undergo change and determine an overall direction to address and mitigate risks identified. The Transition Architecture should then be planned to use a state evolution table.

Answer: A

Explanation:

The Business Transformation Readiness Assessment is a technique that can be used to evaluate the readiness of the organization to undergo change and to identify the actions needed to increase the likelihood of a successful business transformation. This technique can help to address the concerns of the key stakeholders about the risks and value of the proposed reorganization. The technique involves assessing the following aspects of the organization: vision, commitment, capacity, capability, culture, and communication. Based on the assessment, the risks associated with the transformations can be identified, classified, and mitigated for. The technique also helps to identify the dependencies between the set of changes, including gaps and work packages, and the improvement actions to be worked into the Implementation and Migration Plan. The technique also supports the determination of the business value, effort, and risk associated for each transformation, which can be used to

prioritize and sequence the work packages and the Transition Architectures¹

Reference: 1: The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 27: Business Transformation Readiness Assessment

Question: 112

Please read this scenario prior to answering the question

Your role is that of a senior architect, reporting to the Chief Enterprise Architect, at a medium-sized company with 400

employees. The nature of the business is such that the data and the information stored on the company systems is their major asset and is highly confidential.

The company employees travel extensively for work and must communicate over public infrastructure using message encryption, VPNs, and other standard safeguards. The company has invested in cybersecurity awareness training for all its staff. However, it is recognized that even with good education as well as system security, there is a dependency on third-party suppliers of infrastructure and software.

The company uses the TOGAF standard as the method and guiding framework for its Enterprise Architecture (EA) practice. The CTO is the sponsor of the activity.

The Chief Security Officer (CSO) has noted an increase in ransomware (malicious software used in ransom demands) attacks on companies with a similar profile. The CSO recognizes that no matter how much is spent on education, and support, it is likely just a matter of time before the company suffers a significant attack that could completely lock them out of their information assets.

A risk assessment has been done and the company has sought cyber insurance that includes ransomware coverage. The quotation for this insurance is hugely expensive. The CTO has recently read a survey that stated that one in four organizations paying ransoms were still unable to recover their data, while nearly as many were able to recover the data without paying a ransom. The CTO has concluded that taking out cyber insurance in case they need to pay a ransom is not an option.

Refer to the scenario

You have been asked to describe the steps you would take to improve the resilience of the current architecture?

Based on the TOGAF standard which of the following is the best answer?

- A. You would determine business continuity requirements, and undertake a gap analysis of the current Enterprise Architecture. You would make recommendations for change requirements to address the situation and create a change request. You would manage a meeting of the Architecture Board to assess and approve the change request. Once approved you would produce a new Request for Architecture Work to activate an ADM cycle to carry out a project to define the change.
- B. You would monitor for technology changes from your existing suppliers that could improve resilience. You would prepare and run a disaster recovery planning exercise for a ransomware attack and analyze the performance of the current Enterprise Architecture. Using the findings, you would prepare a gap analysis of the current Enterprise Architecture. You would prepare change requests to address identified gaps. You would add the changes implemented to the Architecture Repository.
- C. You would ensure that the company has in place up-to-date processes for managing change to the current Enterprise Architecture. Based on the scope of the concerns raised you recommend that this be managed at the infrastructure level. Changes should be made to the baselinedescription of the Technology Architecture. The changes should be approved by the Architecture Board and implemented by change management techniques.
- D. You would request an Architecture Compliance Review with the scope to examine the company's resilience to ransomware attacks. You would identify the departments involved and have them nominate representatives. You would then tailor checklists to address the requirement for increased resilience. You would circulate to the nominated

representatives for them to complete. You would then review the completed checklists, identifying and resolving issues.

You would then determine and present your recommendations.

Answer: A

Explanation:

Business continuity is the ability of an organization to maintain essential functions during and after a disaster or disruption. Business continuity requirements are the specifications and criteria that define the acceptable level of performance and availability of the business processes and services in the event of a disaster or disruption. A gap analysis is a technique that compares the current state of the architecture with the desired state, and identifies the gaps or differences that need to be addressed. A change request is a formal proposal for an amendment to some product or system, such as the architecture. A Request for Architecture Work is a document that describes the scope, approach, and expected outcomes of an architecture project¹²³

The best answer is A, because it describes the steps that would improve the resilience of the current architecture, which is the ability to withstand and recover from a ransomware attack or any other disruption. The steps are:

Determine the business continuity requirements, which specify the minimum acceptable level of performance and availability of the business processes and services in case of a ransomware attack. This would involve identifying the critical business functions, the recovery time objectives, the recovery point objectives, and the dependencies and resources needed for recovery.

Undertake a gap analysis of the current Enterprise Architecture, which compares the current state of

the architecture with the desired state based on the business continuity requirements. This would involve assessing the strengths and weaknesses of the current architecture, the risks and opportunities for improvement, and the gaps or differences that need to be addressed.

Make recommendations for change requirements to address the situation and create a change request. This would involve proposing solutions and alternatives to close the gaps, enhance the resilience, and mitigate the risks of the current architecture. The change request would document the rationale, scope, impact, and benefits of the proposed changes, and seek approval from the relevant stakeholders.

Manage a meeting of the Architecture Board to assess and approve the change request. The Architecture Board is a governance body that oversees the architecture work and ensures compliance with the architecture principles, standards, and goals. The meeting would involve presenting the change request, discussing the pros and cons, resolving any issues or conflicts, and obtaining the approval or rejection of the change request.

Once approved, produce a new Request for Architecture Work to activate an ADM cycle to carry out a project to define the change. The Request for Architecture Work would describe the scope, approach, and expected outcomes of the architecture project that would implement the approved change request. The Request for Architecture Work would initiate a new cycle of the Architecture Development Method (ADM), which is the core process of the TOGAF standard that guides the development and management of the enterprise architecture.

1: The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 33: Business Scenarios 2: The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 30: Gap Analysis 3: The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 31: Architecture Change Management : The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 7: Request for Architecture Work : The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 34: Business Transformation Readiness Assessment : The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 30: Gap Analysis : The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 31: Architecture Change Management : The TOGAF Standard, Version 9.2, Part VI: Architecture Capability Framework, Chapter 50: Architecture Governance : The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 7: Request for Architecture Work

Question: 113

Please read this scenario prior to answering the question

You are serving as the Lead Architect for an Enterprise Architecture team within a leading multinational biotechnology company. The company works in three major industries, including healthcare, crop production, and agriculture. Your team works within the healthcare division.

The healthcare division is developing a new vaccine, and has to demonstrate its effectiveness and

safety in a set of clinical trials that satisfy the regulatory requirements of the relevant health authorities. The clinical trials are undertaken by its research laboratories at multiple facilities worldwide. In addition to internal research and development activities, the healthcare division is also involved in publicly funded collaborative research projects with industrial and academic partners.

The Enterprise Architecture team has been engaged in an architecture project to develop a secure system that will allow the healthcare researchers to share information more easily about their clinical trials, and work more collaboratively across the organization and also with its partners. This system will also connect with external partners.

The Enterprise Architecture team uses the TOGAF ADM with extensions required to support healthcare manufacturing practices and laboratory practices. Due to the highly sensitive nature of the information that is managed, special care has been taken to ensure that each architecture domain considers the security and privacy issues that are relevant.

The Vice President for Worldwide Clinical Research is the sponsor of the Enterprise Architecture activity. She has stated that disruptions must be minimized for the clinical trials, and that the rollout must be undertaken incrementally.

Refer to the scenario

You have been asked to recommend the approach to identify the work packages for an incremental rollout meeting the requirements.

Based on the TOGAF standard which of the following is the best answer?

A. You recommend that the Solution Building Blocks from a Consolidated Gaps, Solutions and Dependencies Matrix be grouped into a set of work packages. Using the matrix as a planning tool, regroup the work packages to account for dependencies. Sequence the work packages into the Capability Increments needed to achieve the Target Architecture, so

that the implementation team can schedule the rollout one region at a time to minimize disruption. Document the work packages for the Enterprise Architecture using a Transition Architecture State Evolution Table.

B. You recommend that a Consolidated Gaps, Solutions and Dependencies Matrix is used as a planning tool for creating work packages. For each gap classify whether the solution is either a new development, purchased solution, or based on an existing product. Group the similar solutions together to define the work packages. Regroup the work packages into a set of Capability Increments to transition to the Target Architecture considering the schedule for clinical trials, and document in an Architecture Definition Increments Table.

C. You recommend that an Implementation Factor Catalog is drawn up to indicate actions and constraints. A Consolidated Gaps, Solutions and Dependencies Matrix should also be created. For each gap, identify a proposed solution and classify it as new development, purchased solution, or based on an existing product. Group similar activities together to form work packages. Identify dependencies between work packages factoring in the clinical trial schedules. Regroup the work packages into a set of Capability Increments scheduled into a series of Transition Architectures.

D. You recommend that the set of required Solution Building Blocks be determined by identifying those which need to be developed and which need to be procured. Eliminate any duplicates. Group the remaining Solution Building Blocks together to create the work packages using a CRUD (create, read, update, delete) matrix. Rank the work packages and select the most cost-effective options for inclusion in a series of Transition Architectures. Schedule the roll out of the work packages to be sequential across the geographic regions.

Answer: B

Explanation:

A Consolidated Gaps, Solutions and Dependencies Matrix is a technique that can be used to create work packages for an incremental rollout of the architecture. A work package is a set of actions or tasks that are required to implement a specific part of the architecture. A work package can be associated with one or more Architecture Building Blocks (ABBs) or Solution Building Blocks (SBBs), which are reusable components of business, IT, or architectural capability. A work package can also be associated with one or more Capability Increments, which are defined, discrete portions of the overall capability that deliver business value. A Capability Increment can be realized by one or more Transition Architectures, which are intermediate states of the architecture that enable the transition from the Baseline Architecture to the Target Architecture¹²³

The steps for creating work packages using this technique are:

For each gap between the Baseline Architecture and the Target Architecture, identify a proposed solution and classify it as new development, purchased solution, or based on an existing product. A gap is a difference or deficiency in the current state of the architecture that needs to be addressed by the future state of the architecture. A solution is a way of resolving a gap by implementing one or more ABBs or SBBs.

Group similar solutions together to define the work packages. Similar solutions are those that have common

characteristics, such as functionality, technology, vendor, or location.

Identify dependencies between work packages, such as logical, temporal, or resource dependencies. Dependencies indicate the order or priority of the work packages, and the constraints or risks that may affect their implementation.

Regroup the work packages into a set of Capability Increments to transition to the Target Architecture. Capability Increments should be defined based on the business value, effort, and risk associated with each work package, and the schedule and objectives of the clinical trials. Capability Increments should also be aligned with the Architecture Vision and the Architecture Principles.

Document the work packages and the Capability Increments in an Architecture Definition Increments Table, which shows the mapping between the work packages, the ABBs, the SBBs, and the Capability Increments. The table also shows the dependencies, assumptions, and issues related to each work package and Capability Increment.

Therefore, the best answer is B, because it describes the approach to identify the work packages for an incremental rollout meeting the requirements, using the Consolidated Gaps, Solutions and Dependencies Matrix as a planning tool.

1: The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 30: Gap Analysis 2: The TOGAF Standard, Version 9.2, Part IV: Architecture Content Framework, Chapter 36: Building Blocks 3: The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 31: Architecture Change Management : The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 23: Phase E: Opportunities and Solutions : The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 21: Phase F: Migration Planning : The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 18: Phase A: Architecture Vision : The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 23: Architecture Principles

Question: 114

Please read this scenario prior to answering the question

You have been appointed as senior architect working for an autonomous driving technology development company. The mission of the company is to build an industry leading unified technology and software platform to support connected cars and autonomous driving.

The company uses the TOGAF Standard as the basis for its Enterprise Architecture (EA) framework. Architecture development within the company follows the purpose-based EA Capability model as described in the TOGAF Series Guide: A Practitioners' Approach to Developing Enterprise Architecture Following the TOGAF® ADM.

An architecture to support strategy has been completed defining a long-range Target Architecture with a roadmap spanning five years. This has identified the need for a portfolio of projects over the next two years. The portfolio includes development of travel assistance systems using swarm data from vehicles on the road.

The current phase of architecture development is focused on the Business Architecture which needs to support the core travel assistance services that the company plans to provide. The core services will manage and process the swarm data

generated by vehicles, paving the way for autonomous driving in the future.

The presentation and access to different variations of data that the company plans to offer through its platform poses an architecture challenge. The application portfolio needs to interact securely with

various third-party cloud services, and V2X (Vehicle-to-Everything) service providers in many countries to be able to manage the data at scale. The security of V2X is a key concern for the stakeholders. Regulators have stated that the user's privacy be always protected, for example, so that the drivers' journey cannot be tracked or reconstructed by compiling data sent or received by the car.

Refer to the scenario

You have been asked to describe the risk and security considerations you would include in the current phase of the architecture development?

Based on the TOGAF standard which of the following is the best answer?

- A. You will focus on the relationship with the third parties required for the travel assistance systems and define a trust framework. This will describe the relationship with each party. Digital certificates are a key part of the framework and will be used to create trust between parties. You will monitor legal and regulatory changes across all the countries to keep the trust framework in compliance.
- B. You will perform a qualitative risk assessment for the data assets exchanged with partners. This will deliver a set of priorities, high to medium to low, based on identified threats, the likelihood of occurrence, and the impact if it did occur. Using the priorities, you would then develop a Business Risk Model which will detail the risk strategy including classifications to determine what mitigation is enough.
- C. You will focus on data quality as it is a key factor in risk management. You will identify the datasets that need to be safeguarded. For each dataset, you will assign ownership and responsibility for the quality of data needs. A security classification will be defined and applied to each dataset. The dataset owner will then be able to authorize processes that are trusted for a certain activity on the dataset under certain circumstances.
- D. You will create a security domain model so that assets with the same level can be managed under one security policy. Since data is being shared across partners, you will establish a security federation to include them. This would include contractual arrangements, and a definition of the responsibility areas for the data exchanged, as well as security implications. You would undertake a risk assessment determining risks relevant to specific data assets.

Answer: D

Explanation:

A security domain model is a technique that can be used to define the security requirements and policies for the architecture. A security domain is a grouping of assets that share a common level of security and trust. A security policy is a set of rules and procedures that govern the access and protection of the assets within a security domain. A security domain model can help to identify the

security domains, the assets within each domain, the security policies for each domain, and the relationships and dependencies between the domains¹

Since the data is being shared across partners, a security federation is needed to establish a trust relationship and a common security framework among the different parties. A security federation is a collection of security domains that have agreed to interoperate under a set of shared security policies and standards. A security federation can enable secure data exchange and collaboration across organizational boundaries, while preserving the autonomy and privacy of each party. A security federation requires contractual arrangements, and a definition of the responsibility areas for the data exchanged, as well as security implications²

A risk assessment is a process that identifies, analyzes, and evaluates the risks that may affect the architecture. A risk assessment can help to determine the likelihood and impact of the threats and vulnerabilities that may compromise the security and privacy of the data assets. A risk assessment can also help to prioritize and mitigate the risks, and to monitor and review the risk situation³

Therefore, the best answer is D, because it describes the risk and security considerations that would be included in the current phase of the architecture development, which is focused on the Business Architecture. The answer covers the security domain model, the security federation, and the risk assessment techniques that are relevant to the scenario.

1: The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 35: Security Architecture and the ADM 2: The TOGAF Standard, Version 9.2, Part IV: Architecture Content Framework, Chapter 38: Security Architecture 3: The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 32: Risk Management

Question: 115

Please read this scenario prior to answering the question

You are the Lead Enterprise Architect at a major agribusiness company. The company's main harvest is lentils, a highly valued food grown worldwide. The lentil parasite, broomrape, has been an increasing concern for many years and is now becoming resistant to chemical controls. In addition, changes in climate favor the propagation and growth of the parasite. As a result, the parasite cannot realistically be exterminated, and it has become pandemic, with lentil yields falling globally.

In response to the situation, the CEO has decided that the lentil fields will be used for another harvest. The company will also cease to process third-party lentils and will repurpose its processing plants. Thus, the target market will change, and the end-products will be different and more varied.

The company has recently established an Enterprise Architecture practice based on the TOGAF standard as method and guiding framework. The CIO is the sponsor of the activity. A formal request for architecture change has been approved. At this stage there is no fixed scope, shared vision, or objectives.

Refer to the scenario

You have been asked to propose the best approach for architecture development to realize the CEO's change in direction for the company.

Based on the TOGAF standard which of the following is the best answer?

- A. You propose that this engagement define the baseline Technology Architecture first in order to assess the current infrastructure capacity and capability for the company. Then the focus should be on transition planning and incremental architecture deployment. This will identify requirements to ensure that the projects are sequenced in an optimal fashion so as to realize the change.
- B. You propose that the team uses the architecture definition document and focus on architecture development starting simultaneously phases B, C and D. This is because the CEO has identified the need to change. This will ensure that the change can be defined in a structured manner and address the requirements needed to realize the change.
- C. You propose that the team focus on architecture definition including development of business models, with emphasis on defining the change parameters to support this new business strategy that the CEO has identified. Once understood, the team will be in the best position to identify the requirements, drivers, issues, and constraints for the change.
- D. You propose that the priority is to produce a new Request for Architecture Work leading to development of a new Architecture Vision. The trade-off method should be applied to identify and select an architecture satisfying the stakeholders. For an efficient change the EA team should be aligned with the organization's planning, budgeting, operational, and change processes.

Answer: D

Explanation:

A Request for Architecture Work is a document that describes the scope, approach, and expected outcomes of an architecture project. A Request for Architecture Work is usually initiated by the sponsor or client of the architecture work, and approved by the Architecture Board, which is a governance body that oversees the architecture work and ensures compliance with the architecture principles, standards, and goals. A Request for Architecture Work triggers a new cycle of the Architecture Development Method (ADM), which is the core process of the TOGAF standard that guides the development and management of the enterprise architecture¹²

An Architecture Vision is a high-level description of the desired outcomes and benefits of the proposed architecture. An Architecture Vision is the output of Phase A: Architecture Vision of the ADM cycle, which is the first phase of the architecture development. An Architecture Vision defines the scope and approach of the architecture work, and establishes the business goals and drivers that

motivate the architecture work. An Architecture Vision also involves obtaining the approval and commitment of the sponsors and other key stakeholders, and initiating the Architecture Governance process³

A trade-off analysis is a technique that can be used to evaluate and compare different architecture alternatives and select the most suitable one. A trade-off analysis involves identifying the criteria and factors that are relevant to the decision, such as costs, benefits, risks, and opportunities, and assessing the strengths and weaknesses of each alternative. A trade-off analysis also involves balancing and reconciling the multiple, often conflicting, requirements and

concerns of the stakeholders, and ensuring alignment with the Architecture Vision and the Architecture Principles.

Therefore, the best answer is D, because it proposes the best approach for architecture development to realize the CEO's change in direction for the company. The answer covers the Request for Architecture Work, the Architecture Vision, and the trade-off analysis techniques that are relevant to the scenario.

1: The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 7: Request for Architecture Work
2: The TOGAF Standard, Version 9.2, Part VI: Architecture Capability Framework, Chapter 50: Architecture Governance
3: The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 18: Phase A: Architecture Vision : The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 30: Trade-Off Analysis

Question: 116

Please read this scenario prior to answering the question

You have been appointed as Chief Enterprise Architect (CEA), reporting to the Chief Technical Officer (CTO), of a company established as a separate operating entity by a major automotive manufacturer. The mission of the company is to build a new industry leading unified technology and software platform for electric vehicles.

The company uses the TOGAF Standard as the basis for its Enterprise Architecture (EA) framework, and architecture development follows the purpose-based EA Capability model as described in the TOGAF Series Guide: A Practitioners' Approach to Developing Enterprise Architecture Following the TOGAF® ADM.

An end-to-end Target Architecture has been completed with a roadmap for change over a five-year period. The new platform will be a cross-functional effort between hardware and software teams, with significant changes over the old platform. It is expected to be developed in several stages over three years. The EA team has inherited the architecture for the previous generation hardware and software automotive platform, some of which can be carried over to the new unified platform. The EA team has started to define the new platform, including defining which parts of the architecture to carry forward.

Enough of the Business Architecture has been defined, so that work can commence on the Information Systems and Technology Architectures. Those need to be defined to support the core business services that the company plans to provide. The core services will feature an innovative approach with swarm data generated by vehicles, paving the way for autonomous driving in the future.

The presentation and access to different variations of data that the company plans to offer through its platform pose an architecture challenge. The application portfolio and supporting infrastructure need to interact with various existing cloud services and data-

Refer to the scenario

You have been asked what approach should be taken to determine and organize the work to deliver the requested architectures?

Based on the TOGAF standard which of the following is the best answer?

- A. You would look outside the enterprise to research data models and application portfolios of leading big data businesses. You would develop just enough applications, data, and technology architecture to identify options. For each project this should include identification of candidate architecture and solution building blocks. You will identify solution providers, perform a readiness assessment, and assess the viability and fitness of the solution options. You will then document the draft Implementation and Migration plan.
- B. You would refer to the end-to-end Target Architecture for guidance and direction. The first objective should be to identify projects, dependencies and synergies, then prioritize before initiating the projects. You will develop high-level architecture descriptions. For each project you would estimate effort size, identify reference architectures, and candidate building blocks. You will identify the resource needs considering cost and value. You will document options, risks, and controls to enable viability analysis and trade-off with the stakeholders.
- C. You will revisit ADM Phase A. identifying the stakeholders and creating a new Architecture Vision. You will update the Stakeholder map produced for the strategic architecture so it reflects the stakeholders who are now the most relevant to the projects that are to be developed. You would then ask the CTO to make some decisions about the Architecture Roadmap, and update the Implementation and Migration Plan to reflect the decisions.
- D. You will research leading data businesses, developing high-level Target Data, Application and Technology Architectures. You would review the Architecture Vision in order to estimate the level of detail, time, and breadth of the ADM cycle phases that will be needed to develop the architecture. You will identify and cost major work packages, and then develop an Architecture Roadmap. You would then seek approval by the Architecture Board and initiate the project.

Answer: B

Explanation:

The Target Architecture is a description of the future state of the architecture that addresses the business goals and drivers, and satisfies the stakeholder requirements and concerns. The Target Architecture is developed through the Architecture Development Method (ADM), which is the core process of the TOGAF standard that guides the development and management of the enterprise architecture. The Target Architecture is typically divided into four domains: Business, Data, Application, and Technology. The Target Architecture also includes a roadmap for change, which defines the Transition Architectures, the Capability Increments, and the work packages that enable the transition from the Baseline Architecture to the Target Architecture¹²

The best answer is B, because it describes the approach that should be taken to determine and organize the work to deliver the requested architectures, which are the Information Systems and Technology Architectures. The answer covers the following steps:

Refer to the end-to-end Target Architecture for guidance and direction. The end-to-end Target Architecture provides the overall vision, scope, and objectives of the architecture work, and the alignment with the business strategy and goals. The end-to-end Target Architecture also provides the high-level definitions and principles for the four architecture domains, and the roadmap for change that outlines the major milestones and deliverables.

Identify projects, dependencies and synergies, then prioritize before initiating the projects. Projects are the units of work that implement the architecture work packages, which are the sets of actions or tasks that are required to implement a specific part of the architecture. Dependencies are the relationships and constraints that affect the order or priority of the projects, such as logical, temporal, or resource dependencies. Synergies are the benefits or advantages that result from the combination or coordination of the projects, such as cost savings, efficiency gains, or innovation opportunities. Prioritization is the process of ranking the projects according to their importance, urgency, or value, and assigning resources and schedules accordingly.

Develop high-level architecture descriptions. High-level architecture descriptions are the outputs of the architecture development phases (B, C, and D) of the ADM cycle, which describe the Business, Data, Application, and Technology Architectures in terms of the Architecture Building Blocks (ABBs) and the Solution Building Blocks (SBBs), which are reusable components of business, IT, or architectural capability. High-level architecture descriptions also include the Architecture Views, which are representations of the system of interest from the perspective of one or more stakeholders and their concerns.

For each project, estimate effort size, identify reference architectures, and candidate building blocks. Effort size is the measure of the amount of work, time, or resources required to complete a project. Effort size can be estimated using various techniques, such as analogy, expert judgment, parametric, or bottom-up. Reference architectures are standardized architectures that provide a common framework and vocabulary for a specific domain or industry.

Reference architectures can be used as a

source of best practices, patterns, and models for the architecture development. Candidate building blocks are the potential ABBs or SBBs that can be used to implement the architecture. Candidate building blocks can be identified from the Architecture Repository, which is a collection of architecture assets, such as models, patterns, principles, standards, and guidelines.

Identify the resource needs considering cost and value. Resource needs are the specifications and criteria that define the acceptable level and quality of the resources required to complete the project, such as human, financial, physical, or technological resources. Resource needs can be identified by analyzing the scope, complexity, and dependencies of the project, and the availability, capability, and suitability of the resources. Cost and value are the factors that influence the allocation and utilization of the resources, such as the budget, the return on investment, the benefits, or the risks.

Document options, risks, and controls to enable viability analysis and trade-off with the stakeholders. Options are the alternative ways of achieving the project objectives, such as different solutions, technologies, vendors, or approaches. Risks are the effects of uncertainty on the project objectives, such as threats or opportunities. Controls are the measures or actions that are taken to prevent, reduce, or mitigate the risks, such as policies, procedures, or standards. Viability analysis is the process of evaluating and comparing the options, risks, and controls, and determining the feasibility, suitability, and desirability of each option. Trade-off is the decision outcome that balances and reconciles the multiple, often conflicting, requirements and concerns of the stakeholders, and ensures alignment with the Architecture Vision and the Architecture Principles.

1: The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 5: Introduction to the ADM
2: The TOGAF Standard, Version 9.2, Part IV: Architecture Content Framework, Chapter 36: Building Blocks : The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 18: Phase A: Architecture Vision
: The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 19: Phase B: Business Architecture : The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 20: Phase C:

Information Systems Architectures : The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 21: Phase F: Migration Planning : The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 23: Architecture Principles : The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 30: Trade-Off Analysis : The TOGAF Standard, Version 9.2, Part VI: Architecture Capability Framework, Chapter 46: Tools for Architecture Development : The TOGAF Standard, Version 9.2, Part VI: Architecture Capability Framework, Chapter 47: Architecture Board : The TOGAF Standard, Version 9.2, Part VI: Architecture Capability Framework, Chapter 48: Architecture Compliance : The TOGAF Standard, Version 9.2, Part VI: Architecture Capability Framework, Chapter 49: Architecture Contract : The TOGAF Standard, Version 9.2, Part VI: Architecture Capability Framework, Chapter 50: Architecture Governance : The TOGAF Standard, Version 9.2, Part VI: Architecture Capability Framework, Chapter 51: Architecture Maturity Models : The TOGAF Standard, Version 9.2, Part VI: Architecture Capability Framework, Chapter 52: Architecture Skills Framework

Question: 117

Please read this scenario prior to answering the question

You are working as the Chief Enterprise Architect within a law firm specializing in personal injury cases. Many of the firm's competitors have improved their litigation strategies, and efficiency by streamlining their processes using Artificial Intelligence (AI).

The CIO has approved a Request for Architecture Work to examine the use of Machine Learning in defining a new AI-driven litigation and finance process for the firm. This process would instruct the lawyers and analysts as to what tasks and portfolio they should work on. The key objectives are to increase task profitability, maximize staff utilization, and increase individual profitability.

The CIO has emphasized that the architecture should enable the fast implementation of continuous Machine Learning. The solution will need to be constantly measured for delivered value and be quickly iterated to success.

Some of the partners have expressed concerns about letting the AI make the decisions, others about the risks associated with use of it for the type of service they deliver. The CIO wants to know if these concerns can be addressed, and how risks will be covered by a new architecture enabling AI and Machine Learning.

Refer to the scenario

You have been asked to respond to the CIO recommending an approach that would enable the development of an architecture that addresses the concerns of the CIO and the concerns of the partners.

Based on the TOGAF standard which of the following is the best answer?

- A. You recommend that a Communications Plan be created to address the key stakeholders, the most powerful and influential partners. This plan should include a report that summarizes the key features of the architecture reflecting their requirements. You will check with each key stakeholder that their concerns are being addressed. Risk mitigation and agility will be explicitly addressed as a component of the architecture being developed.
- B. You recommend that an analysis of the stakeholders is undertaken resulting in documenting the stakeholders and their concerns in a Stakeholder Map. The concerns and relevant views should then be defined for each group and recorded in the Architecture Vision document. The requirements will include risk mitigation through regular assessments. This will also allow a supervised agile implementation of the continuous Machine Learning.

C. You recommend that all possible models be created for each candidate architecture that will enable the AI and Machine Learning solution. This ensures that all the necessary data and detail is addressed. A formal review should be held with the stakeholders to verify that their concerns have been properly addressed by the models. Agility will be considered during Phase G Implementation Governance.

D. You recommend creation of a set of business models that can be applied uniformly across all architecture projects. The stakeholders will be trained to understand the business models to ensure they can see that their concerns are being addressed. Risk will be addressed once the Security Architecture is developed, which will happen later to avoid slowing down the agility required by the CIO.

Answer: B

Explanation:

A Stakeholder Map is a technique that can be used to identify and classify the stakeholders of the architecture work, and to document their key interests, requirements, and concerns. A stakeholder is any person, group, or organization that has a stake in the outcome of the architecture work, such as the sponsor, the client, the users, the suppliers, the regulators, or the competitors. A Stakeholder Map can help to understand the needs and expectations of the stakeholders, and to communicate and engage with them effectively¹

The steps for creating a Stakeholder Map are:

Identify the stakeholders of the architecture work, using various sources and methods, such as interviews, surveys, workshops, or existing documents.

Classify the stakeholders according to their roles, responsibilities, and relationships, using various criteria and dimensions, such as power, influence, interest, attitude, or impact.

Define the concerns and relevant views for each stakeholder group, using various techniques, such as business scenarios, use cases, or value propositions. A concern is a key interest or issue that is relevant to the stakeholder, such as a goal, a problem, a need, or a risk. A view is a representation of the system of interest from the perspective of one or more stakeholders and their concerns.

Record the stakeholders and their concerns in a Stakeholder Map, which shows the mapping between the stakeholder groups, the concerns, and the views. The Stakeholder Map also shows the dependencies, assumptions, and issues related to each stakeholder and concern.

Therefore, the best answer is B, because it recommends the approach that would enable the development of an architecture that addresses the concerns of the CIO and the partners, using the Stakeholder Map technique. The answer covers the following aspects:

An analysis of the stakeholders is undertaken, which involves identifying, classifying, and defining the stakeholders and their concerns.

The stakeholders and their concerns are documented in a Stakeholder Map, which provides a clear and comprehensive

picture of the stakeholder landscape and their interests.

The concerns and relevant views are recorded in the Architecture Vision document, which is the output of Phase A: Architecture Vision of the Architecture Development Method (ADM), which is the core process of the TOGAF standard that guides the development and management of the enterprise architecture. The Architecture Vision defines the scope and approach of the architecture work, and establishes the business goals and drivers that motivate the architecture work. The Architecture Vision also involves obtaining the approval and commitment of the sponsors and other key stakeholders, and initiating the Architecture Governance process²

The requirements include risk mitigation through regular assessments, which involves identifying, analyzing, and evaluating the risks that may affect the architecture, and determining the appropriate measures or actions to prevent, reduce, or mitigate the risks. Risk mitigation can also involve monitoring and reviewing the risk situation, and communicating and reporting the risk status and actions³

This approach also allows a supervised agile implementation of the continuous Machine Learning, which involves applying agile principles and practices to the architecture development and implementation, such as iterative and incremental delivery, frequent feedback, collaboration, and adaptation. A supervised agile implementation can help to ensure the quality, value, and alignment of the architecture, and to respond to the changing needs and expectations of the stakeholders.

1: The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 24: Stakeholder Management 2: The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 18: Phase A: Architecture Vision 3: The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 32: Risk Management : The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 29: Applying Iteration to the ADM

Question: 118

Please read this scenario prior to answering the question

Your role is consultant to the Lead Architect within a multinational company that manufactures electronic components. The company has several manufacturing divisions located worldwide and a complex supply chain. After a recent study, senior management have stated a concern about business efficiency considering the company's multiple data centers and duplication of applications.

The company has a mature Enterprise Architecture (EA) practice and uses the TOGAF architecture development method in its EA practice. In addition to the EA program, the company has several management frameworks in use, including business planning, project/portfolio management, and operations management. The EA program is sponsored by the CIO.

A strategic architecture has been defined to improve the ability to meet customer demand and improve management of the supply chain. The strategic architecture includes the consolidation of multiple Enterprise Resource Planning (ERP) applications that have been operating independently in the divisions' production facilities.

Each division has completed the Architecture Definition documentation to meet its own specific manufacturing requirements. The enterprise architects have defined a set of work packages that address the gaps identified. They have identified the value produced, effort required, and dependencies between work packages to reach a target architecture

that would integrate a new ERP environment into the company.

Because of the risks posed by change from the current environment, the architects have recommended that a phased approach occurs to implement the target architecture with several transition states. The overall implementation process is estimated to take several years.

Refer to the scenario

You have been asked what the next steps are for the migration planning.

Based on the TOGAF standard which of the following is the best answer?

A. You conduct a series of Compliance Assessments to ensure that the architecture is being implemented according to the contract. The Compliance Assessment should verify that the implementation team is using the proper development methodology. It should include deployment of monitoring tools and ensure that performance targets are being met. If they are not met, then you would identify changes to performance requirements and update those in the

Implementation and Migration Plan.

B. You place the Architecture Definition Document under configuration control. This will ensure that the architecture remains relevant and responsive to the needs of the enterprise. You would identify the development resources to undertake the projects. You would then produce an Implementation Governance Model to manage the lessons learned prior to finalizing the plan. You recommend that lessons learned be applied as changes to the architecture without review.

C. You estimate the business value for each project by applying the Business Value Assessment Technique to prioritize the implementation projects and project increments. The assessment should focus on return on investment and performance evaluation criteria that can be used to monitor the progress of the architecture transformation. You would confirm and plan a series of Transition Architecture phases using an Architecture Definition Increments Table that lists the projects.

D. You assess how the Implementation and Migration plan impacts the other frameworks in use in the organization. Minimally, you ensure that the plan is coordinated with the business planning, project/portfolio management and operations management frameworks. You would then assign a business value to each work package, considering available resources and strategic fit. You then use the work packages to identify projects that will be in the Implementation and Migration Plan

Answer: C

Explanation:

The Business Value Assessment Technique is a technique that can be used to estimate and compare the business value of the projects and project increments that implement the architecture work packages, which are the sets of actions or tasks that are required to implement a specific part of the architecture. The business value is the measure of the benefits or advantages that the project or project increment delivers to the business, such as increased revenue, reduced costs, improved quality, or enhanced customer satisfaction¹

The steps for applying the Business Value Assessment Technique are:

Identify the criteria and factors that are relevant to the business value assessment, such as costs, benefits, risks, and opportunities. The criteria and factors should be aligned with the business goals and drivers that motivate the architecture work, and the stakeholder requirements and concerns that influence the architecture work.

Assign weights and scores to the criteria and factors, using various methods, such as expert judgment, historical data, or analytical models. The weights and scores should reflect the importance and performance of the criteria and factors, and the trade-offs and preferences of the stakeholders.

Calculate the business value for each project or project increment, using various techniques, such as net present value, return on investment, or balanced scorecard. The business value should indicate the expected or actual outcomes and impacts of the project or project increment on the business.

Prioritize the implementation projects and project increments, based on the business value and other considerations, such as dependencies, resources, or risks. The prioritization should determine the order or sequence of the projects and project increments, and the allocation and utilization of the resources.

Therefore, the best answer is C, because it describes the next steps for the migration planning, which are the activities that support the transition from the Baseline Architecture to the Target Architecture. The answer covers the Business Value Assessment Technique, which is relevant to the scenario.

1: The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 28: Business Value Assessment Technique : The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 18: Phase A: Architecture Vision : The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 21: Phase F: Migration Planning : The TOGAF Standard, Version 9.2, Part IV: Architecture Content Framework, Chapter 36: Building Blocks

Question: 119

Please read this scenario prior to answering the question

You are the Lead Enterprise Architect at a major agribusiness company. The company's main annual harvest is lentils, a highly valued food grown worldwide. The lentil parasite, broomrape, has been an increasing concern for many years and is now becoming resistant to chemical controls. In addition, changes in climate favor the propagation and growth of the parasite. As a result, the parasite cannot realistically be exterminated, and it has become pandemic, with lentil yields falling globally.

The CEO appreciates the seriousness of the situation and has set out a change in direction that is effectively a new business for the company. There are opportunities for new products, and new markets. The company will use the fields for another harvest and will cease to process third-party lentils. Thus, the target market will change, and the end-products will be different and more varied. This is a major decision and the CEO has stated a desire to

repurpose rather than replace so as to manage the risks and limit the costs.

The company has a mature Enterprise Architecture practice based in its headquarters and uses the TOGAF standard as the method and guiding framework. The practice has an established Architecture Capability, and uses iteration for architecture development. The CIO is the sponsor of the activity.

The CIO has assigned the Enterprise Architecture team to this activity. At this stage there is no shared vision, or requirements.

Refer to the scenario

You have been asked to propose the best approach for architecture development to realize the CEO's change in direction for the company.

Based on the TOGAF standard which of the following is the best answer?

- A. You propose that the team focus on architecture definition, with emphasis on defining the change parameters to support this new business strategy that the CEO has identified. Once understood, the team will be in the best position to identify the requirements, drivers, issues, and constraints for the change. You would ensure that the architecture development addresses non-functional requirements to assure that the target architecture is robust and secure.
- B. You propose that this engagement define the baseline Technology Architecture first in order to assess the current infrastructure capacity and capability for the company. Then the focus should be on transition planning and incremental architecture deployment. This will identify requirements to ensure that the projects are sequenced in an optimal fashion so as to realize the change.
- C. You propose that the priority is to understand and bring structure to the definition of the change. The team should focus iteration cycles on a baseline first approach to architecture development, and then transition planning. This will identify what needs to change in order to transition from the baseline to the target, and can be used to work out in detail what the shared vision is for the change.
- D. You propose that the team focus its iteration cycles on architecture development by going through the architecture definition phases (B-D) with a baseline first approach. This will support the change in direction as stated by the CEO. It will

ensure that the change can be defined in a structured manner and address the requirements needed to realize the change.

Answer: C

Explanation:

Based on the TOGAF standard, this answer is the best approach for architecture development to realize the CEO's change in direction for the company. The reason is as follows:

The scenario describes a major business transformation that requires a clear understanding of the current and future states of the enterprise, as well as the gaps and opportunities for change.

Therefore, the priority is to understand and bring structure to the definition of the change, rather than focusing on the implementation details or the technology aspects.

The team should use the TOGAF ADM as the method and guiding framework for architecture development, and adapt it to suit the specific needs and context of the enterprise. The team should also leverage the existing Architecture Capability and the Architecture Repository to reuse and integrate relevant architecture assets and resources.

The team should focus iteration cycles on a baseline first approach to architecture development, which means starting with the definition of the Baseline Architecture in each domain (Business, Data, Application, and Technology), and then defining the Target Architecture in each domain. This will help to identify the current and desired states of the enterprise, and to perform a gap analysis to determine what needs to change in order to achieve the business goals and objectives.

The team should then focus on transition planning, which involves identifying and prioritizing the work packages, projects, and activities that will deliver the change. The team should also create an Architecture Roadmap and an Implementation and Migration Plan that will guide the execution and governance of the change.

The team should use the Architecture Vision phase and the Requirements Management phase to work out in detail what the shared vision is for the change, and to capture and validate the stakeholder requirements and expectations. The team should also use the Architecture Governance framework to ensure the quality, consistency, and compliance of the architecture work.

The TOGAF Standard, Version 9.2 - Architecture Development Method : The TOGAF Standard, Version 9.2 - Architecture Vision : The TOGAF Standard, Version 9.2 - Requirements Management : [The TOGAF Standard, Version 9.2 - Architecture Governance]

Question: 120

Please read this scenario prior to answering the question

Your role is that of a consultant to the Lead Enterprise Architect to an international supplier of engineering services and automated manufacturing systems. It has three manufacturing plants where it assembles both standard and customized products for industrial production automation. Each of these plants has been operating its own planning and production scheduling systems, as well as applications and control systems that drive the automated production line.

The Enterprise Architecture department has been operating for several years and has mature, well-developed architecture governance and development processes that are based on the TOGAF Standard. The CIO sponsors the Enterprise Architecture.

During a recent management meeting, a senior Vice-President highlighted an interview where a competitor company's CIO is reported as saying that their production efficiency had been improved by replacing multiple planning and scheduling systems with a common Enterprise Resource Planning (ERP) system located in a central data center. Some discussion followed, with the CIO responding that the situations are not comparable, and the current architecture is already optimized.

In response, the Architecture Board approved a Request for Architecture Work covering the investigations to determine if such an architecture transformation would lead to improvements in efficiency. You have been assigned to support the architecture team working on this project.

A well-known concern of the plant managers is about the security and reliability of driving their planning and production scheduling from a remote centralized system. Any chosen system would also need to support the current supply chain network consisting of local partners at each of the plants.

Refer to the scenario

You have been asked to explain how you will initiate the architecture project.

Based on the TOGAF Standard, which of the following is the best answer?

A. You would research vendor literature and conduct a series of briefings with vendors that are on the current approved supplier list. Based on the findings from the research, you would define a preliminary Architecture Vision including summary views, high-level requirements, and high-level definitions of the baseline and target environments from a business, information systems, and technology perspective. You would then use that to build consensus among the key stakeholders.

B. You would conduct a pilot project that will enable vendors to demonstrate potential off-the-shelf solutions that address the concerns of the stakeholders. Running a pilot project will save time and money later in the process.

Based on the findings of that pilot project, a complete set of requirements can then be developed that will drive the evolution of the architecture. Once the requirements are completed, a formal stakeholder review should be held, and permission sought to proceed to develop the target architecture.

C. You would hold a series of interviews at each of the manufacturing plants using the business scenarios technique. This will allow you to understand the systems and integrations with local partners. You would use stakeholder analysis to identify key players in the engagement, and to understand their concerns. You will then identify and document the key high-level stakeholder requirements for the architecture. You will then generate high level definitions of the baseline and target architectures.

D. You would develop baseline and target Architectures for each of the manufacturing plants, ensuring that the views corresponding to selected viewpoints address key concerns of the stakeholders. A business case, together with performance metrics and measures should be defined to ensure the architecture meets the business needs. A consolidated gap analysis between the architectures will then validate the approach and determine the capability increments needed to achieve the target state.

Answer: C

Explanation:

The best answer is C. You would hold a series of interviews at each of the manufacturing plants using the business scenarios technique. This will allow you to understand the systems and integrations with local partners. You would use stakeholder analysis to identify key players in the engagement, and to understand their concerns. You will then identify and document the key high-level stakeholder requirements for the architecture. You will then generate high level definitions of the baseline and target architectures.

This answer is based on the TOGAF standard, which recommends the following steps to initiate the architecture project¹:

Establish the architecture project

Identify stakeholders, concerns, and business requirements

Confirm and elaborate business goals, business drivers, and constraints

Evaluate business capabilities

Assess readiness for business transformation

Define scope

Confirm and elaborate Architecture Principles, including business principles

Develop Architecture Vision

Define the Target Architecture value propositions and KPIs

Identify the business transformation risks and mitigation activities

Secure stakeholder and sponsor approval

The answer C covers most of these steps, by using the business scenarios technique to elicit and validate the business requirements, goals, drivers, and constraints, as well as the current and future states of the architecture². The answer C also uses stakeholder analysis to identify and engage the key stakeholders, and to address their concerns and expectations³. The answer C also generates high level definitions of the baseline and target architectures, which can be used to develop the Architecture Vision and the value propositions⁴.

The other answers are not the best approach for architecture development, because:

Answer A focuses on researching vendor literature and conducting briefings with vendors, which is not the best way to understand the business needs and the current situation of the enterprise. Answer A also defines a preliminary Architecture Vision without involving the stakeholders or validating the requirements, which may lead to misalignment and lack of consensus.¹

Answer B conducts a pilot project that will enable vendors to demonstrate potential solutions, which is premature and costly at this stage of the architecture project. Answer B also does not address the stakeholder concerns or the current systems and integrations, which may result in gaps and risks. Answer B also develops the requirements after the pilot project, which may not reflect the actual business needs and goals.

Answer D develops baseline and target architectures for each of the manufacturing plants, which may not consider the enterprise-wide perspective and the potential benefits of a common ERP system. Answer D also does not involve the stakeholders or address their concerns, which may result in resistance and conflict. Answer D also does not define the business case or the performance metrics, which are essential for demonstrating the value and feasibility of the architecture.

1: The TOGAF Standard, Version 9.2 - Architecture Vision 2: The TOGAF Standard, Version 9.2 - Business Scenarios 3: [The TOGAF Standard, Version 9.2 - Stakeholder Management] 4: [The TOGAF Standard, Version 9.2 - Architecture Definition Document]

Question: 121

Please read this scenario prior to answering the question

You are the Chief Enterprise Architect at a large food service company specializing in sales to trade and wholesale, for example, restaurants and other food retailers.

One of your company's competitors has launched a revolutionary product range and is running a very aggressive marketing campaign. Your company's resellers are successively announcing that they are NOT interested in your company's products and will sell your competitor's.

The CEO has stated there must be significant change to address the situation. He has made it clear that new markets must be found for the company's products, and that the business needs to pivot, and address the retail market as well as the existing wholesale market.

A consideration is the company's ability and willingness to change its business model, and if it is a temporary or permanent change. An additional risk factor is one of culture. The company has been used to a stable business with a reasonably well known and settled client base - all with its own local understandings and practices.

The CEO is the sponsor of the EA program within the company. You have been engaged with the sales, logistics, production, and marketing teams, enabling the architecture activity to start. An Architecture Vision, Architecture Principles, and Requirements have all been agreed. As you move forward to develop a possible Target Architecture you have identified that some of the key stakeholders' preferences are incompatible. The incompatibilities are focused primarily on time-to-market, cost savings, and the need to bring out a fully featured product range, but there are additional factors.

Refer to the scenario

You have been asked how you will address the incompatibilities between key stakeholder preferences.

Based on the TOGAF standard which of the following is the best answer?

A. You would seek to understand value preferences and priorities of the stakeholders. You would develop alternative Target Architectures, highlighting the gaps between current state and the alternatives. You would consider combining

features from one or more alternatives in collaboration with the stakeholders. A formal stakeholder review should then be held to decide which alternative is fit for purpose and should be moved forward with. You will then secure the funding required.

B. You recommend that since the CEO has stated that the company must pivot, it is better to compromise on a full product range rather than time-to-market. You would develop just enough of the Target Architecture to demonstrate fitness of the proposed approach. You would limit the description to just where there is a gap between the current baseline. You would seek approval by the stakeholders to move forward with developing the Target Architecture in detail.

C. You would use the Architecture Vision, Principles, and Requirements to define a set of criteria for alternatives and create a set of architecture views to illustrate the impact of the alternative Target Architectures. You would identify the impact on planned projects. You would understand the strengths and weaknesses of the alternatives. You would conduct a formal stakeholder review to decide which alternative to move forward with. You will determine the funding required.

D. You would review the Stakeholder Map and ensure that you have addressed and represented the concerns of all department heads. You will involve them in resolving the incompatibilities. The Communications Plan should include a report that summarizes the key features of the architecture with and how incompatibilities were resolved to reflect the stakeholders' requirements. You will check with each key stakeholder they are satisfied with how the incompatibilities have been resolved.

Answer: C

Explanation:

According to the TOGAF standard, the Target Architecture is the description of a future state of the architecture being developed for an organization. It should be aligned with the Architecture Vision, Principles, and Requirements that have been agreed with the stakeholders. To address the incompatibilities between key stakeholder preferences, the TOGAF standard recommends creating and evaluating multiple alternative Target Architectures that meet different sets of criteria. These criteria should reflect the value preferences and priorities of the stakeholders, as well as the business drivers and objectives. The alternative Target Architectures should be illustrated using a set of architecture views that show the impact of each alternative on the business, data, application, and technology domains. The impact on planned projects should also be identified and analyzed. The strengths and weaknesses of each alternative should be understood and documented. A formal stakeholder review should then be conducted to decide which alternative is the most fit for purpose and should be moved forward with. The funding required for implementing the chosen alternative should also be determined and secured.

Reference:

The TOGAF Standard, Version 9.2 - Phase B: Business Architecture - The Open Group

The TOGAF Standard, Version 9.2 - Phase C: Information Systems Architectures - The Open Group

[The TOGAF Standard, Version 9.2 - Phase D: Technology Architecture - The Open Group]

[The TOGAF Standard, Version 9.2 - Phase E: Opportunities and Solutions - The Open Group]

[The TOGAF Standard, Version 9.2 - Phase F: Migration Planning - The Open Group]

Question: 122

Please read this scenario prior to answering the question

Your role is that of a consultant to the Lead Enterprise Architect in a multinational automotive manufacturer.

The company has a corporate strategy that focuses on electrification of its portfolio, and it has invested heavily in a new shared car platform to use across all its brands. The company has four manufacturing facilities, one in North America, two in Europe, and one in Asia.

A challenge that the company is facing is to scale up the number of vehicles coming off the production line to meet customer demand, while maintaining quality. There are significant supply

chain shortages for electronic components, which are impacting production. In response to this the company has taken on new suppliers and has also taken design and production of the battery pack in-house.

The company has a mature Enterprise Architecture practice. The TOGAF standard is used for developing the process and systems used to design, manufacture, and test the battery pack. The Chief Information Officer and the Chief Operating Officer co-sponsor the Enterprise Architecture program.

As part of putting the new battery pack into production, adjustments to the assembly processes need to be made. A pilot project has been completed at a single location. The Chief Engineer, sponsor of the activity, and the Architecture Board have approved the plan for implementation and migration at each plant.

Draft Architecture Contracts have been developed that detail the work needed to implement and deploy the new processes for each location. The company mixes internal teams with a few third-party contractors at the locations. The Chief Engineer has expressed concern that the deployment will not be consistent and of acceptable quality.

Refer to the scenario

The Lead Enterprise Architect has asked you to review the draft Architecture Contracts and recommend the best approach to address the Chief Engineer's concern.

Based on the TOGAF Standard, which of the following is the best answer?

A. For changes requested by an internal team, you recommend a memorandum of understanding between the Architecture Board and the implementation organization. For contracts issued to third-party contractors, you recommend that it is a fully enforceable legal contract. You recommend that the Architecture Board reviews all deviations from the Architecture Contract and considers whether to grant a dispensation to allow the implementation organization to customize the process to meet their local needs.

B. For changes undertaken by internal teams, you recommend a memorandum of understanding between the Architecture Board and the implementation organization. If a contract is issued to a contractor, you recommend that it is a fully enforceable legal contract. If a deviation from the Architecture Contract is found, you recommend that the Architecture Board grant a dispensation to allow the implementation organization to customize the process to meet their local needs.

C. You review the contracts ensuring that they address project objectives, effectiveness metrics, acceptance criteria, and risk management. Third-party contracts must be legally enforceable. You recommend a schedule of compliance reviews at key points in the implementation process. You recommend that the Architecture Board reviews all deviations from the Architecture Contract and considers whether to grant a dispensation to allow the process to be customized for local needs.

D. You recommend that the Architecture Contracts be used to manage the architecture governance processes across the locations. You recommend deployment of monitoring tools to assess the performance of each completed battery pack at each location and develop change requirements if necessary. If a deviation from the contract is detected, the Architecture Board should allow the Architecture Contract to be modified to meet the local needs. In such cases they should issue a new Request for Architecture Work to implement a modification to the Architecture Definition.

Answer: C

Explanation:

According to the TOGAF Standard, Version 9.2, an Architecture Contract is a joint agreement between development partners and sponsors on the deliverables, quality, and fitness-for-purpose of an architecture¹. It defines the scope, responsibilities, and governance of the architecture work, and ensures the alignment and compliance of the architecture with the business goals and objectives¹.

In the scenario, the Lead Enterprise Architect has asked you to review the draft Architecture Contracts and recommend the best approach to address the Chief Engineer's concern about the consistency and quality of the deployment of the

new processes for the battery pack production at each location.

The best answer is C, because it follows the guidelines and best practices for defining and using Architecture Contracts as described in the TOGAF Standard, Version 9.2.2. It ensures that the contracts cover the essential aspects of the project objectives, effectiveness metrics, acceptance criteria, and risk management, and that they are legally enforceable for third-party contractors. It also recommends a schedule of compliance reviews at key points in the implementation process, and a mechanism for handling any deviations from the Architecture Contract, involving the Architecture Board and the possibility of granting a dispensation to allow the process to be customized for local needs.

The other options are not correct because they either:

A . For changes requested by an internal team, you recommend a memorandum of understanding between the Architecture Board and the implementation organization. For contracts issued to third-party contractors, you recommend that it is a fully enforceable legal contract. You recommend that the Architecture Board reviews all deviations from the Architecture Contract and considers whether to grant a dispensation to allow the implementation organization to customize the process to meet their local needs.: This option does not address the need to review the contracts to ensure that they address the project objectives, effectiveness metrics, acceptance criteria, and risk management. It also does not recommend a schedule of compliance reviews at key points in the implementation process. Moreover, it suggests that a memorandum of understanding is sufficient for internal teams, which may not be legally binding or enforceable.

B . For changes undertaken by internal teams, you recommend a memorandum of understanding between the Architecture Board and the implementation organization. If a contract is issued to a contractor, you recommend that it is a fully enforceable legal contract. If a deviation from the Architecture Contract is found, you recommend that the Architecture Board grant a dispensation to allow the implementation organization to customize the process to meet their local needs.: This option has the same problems as option A, and also implies that the Architecture Board should always grant a dispensation for any deviation, which may not be appropriate or desirable in some cases.

D . You recommend that the Architecture Contracts be used to manage the architecture governance processes across the locations. You recommend deployment of monitoring tools to assess the performance of each completed battery pack at each location and develop change requirements if necessary. If a deviation from the contract is detected, the Architecture Board should allow the Architecture Contract to be modified meet the local needs. In such cases they should issue a new Request for Architecture Work.: This option does not address the need to review the contracts to ensure that they address the project objectives, effectiveness metrics, acceptance criteria, and risk management. It also does not recommend a schedule of compliance reviews at key points in the implementation process. Moreover, it suggests that the Architecture Board should always allow the Architecture Contract to be modified for any deviation, which may not be appropriate or desirable in some cases. It also implies that a new Request for Architecture Work should be issued for each deviation, which may not be necessary or feasible.

1: The TOGAF Standard, Version 9.2, Chapter 3: Definitions and Terminology, Section 3.1: Terms and Definitions

2: The TOGAF Standard, Version 9.2, Chapter 43: Architecture Contracts

3: The TOGAF Standard, Version 9.2, Chapter 44: Architecture Governance

Question: 123

You are working as an Enterprise Architect at a large company. The company runs many retail stores as well as an online marketplace that allows hundreds of brands to partner with the company. The company has a mature Enterprise Architecture (EA) practice and uses the TOGAF standard for its architecture development method. The EA practice is involved in all aspects of the business, with oversight provided by an Architecture Board with representatives from different parts of the business. The EA program is sponsored by the Chief Information Officer (CIO).

Many of the stores remain open all day and night. Each store uses a standard method to track sales and inventory, which involves sending accurate, timely sales data to a central AI-based inventory management system that can predict demand, adjust stock levels, and automate reordering. The central inventory management system is housed at the company's central data center.

The company has acquired a major rival. The Chief Executive Officer (CEO) believes that the merger will enable growth through combined offerings and cost savings. The decision has been made to fully integrate the two organizations, including merging retail operations and systems. Duplicated systems will be replaced with one standard retail management system. The CIO expects significant savings from these changes across the newly merged company.

The rival company has successfully implemented the use of hand-held devices within stores for both customers and staff, which has increased satisfaction due to time savings. The CIO has approved the rollout of these devices to all stores but has stated that training should be brief, as there are many part-time employees.

You have been asked to confirm the most relevant architecture principles for this transformation. Based on the TOGAF Standard, which of the following is the best answer?

- A. Common Vocabulary and Data Definitions, Compliance with the Law, Requirements Based Change, Responsive Change Management, Data Security
- B. Control Technical Diversity, Interoperability, Data is an Asset, Data is Shared, Business Continuity
- C. Common Use Applications, Data is an Asset, Data is Accessible, Ease of Use, Business Continuity
- D. Maximize Benefit to the Enterprise, Common Use Applications, Data is an Asset, Responsive Change Management, Technology Independence

Answer: D

Explanation:

In this scenario, the enterprise is undergoing significant transformation due to a merger and the adoption of new technology (hand-held devices). Several key principles from TOGAF's ADM Techniques—particularly those focused on promoting enterprise-wide standardization, adaptability, and data utilization—are pertinent here:

Maximize Benefit to the Enterprise: This principle emphasizes that all architectural decisions should deliver maximum

business value. Given that the company is integrating systems to cut costs and improve offerings, maximizing the benefit is crucial. Ensuring that the EA efforts align with enterprise-wide benefits supports the goal of optimizing costs and enhancing offerings, which aligns with the CEO's vision for the merger.

Common Use Applications:Standardizing applications across the merged entity will be essential to achieve cost savings and to simplify operations. The goal of reducing the number of applications fits with this principle, ensuring that reusable and widely adopted applications support business functions across the organization. Adopting this principle will also aid in harmonizing the systems from both organizations and avoiding unnecessary diversity.

Data is an Asset:Data plays a central role in the company's operations, especially with the use of AI-driven inventory management and the integration of systems. Treating data as an asset is essential for reliable and accurate decision-making. This principle ensures that data is viewed as a critical enterprise resource and is managed with care, maintaining integrity, accuracy, and value.

Responsive Change Management:The organization's ability to adapt quickly and effectively to changes, such as integrating new handheld devices and merging systems, is essential. This principle will facilitate the smooth transition required for integrating the new handheld devices and the merger-related system updates while minimizing disruption to store operations.

Technology Independence:Since the enterprise will likely encounter varied technologies from the merger, it is crucial to maintain flexibility. This principle advocates for using technology solutions that are adaptable and not bound to a single vendor or specific technology. This ensures that the enterprise can integrate various technological components from both organizations and evolve with minimal constraints.

These principles align well with TOGAF's broader recommendations for guiding architectural changes, as found in Section 2.6 of the TOGAF ADM Techniques. They ensure that the EA practice is aligned with business objectives while maintaining flexibility, data integrity, and a focus on enterprise-wide benefits. These guiding principles are critical for the successful execution of the integration and adoption of new technologies while achieving cost efficiencies and improving service delivery.

For reference, TOGAF's ADM Techniques highlight the importance of architectural principles in guiding transformational initiatives, ensuring that decisions are made consistently across the enterprise. Each principle supports organizational agility, system integration, and the efficient use of technology resources, all of which are vital for the enterprise's stated objectives.

Question: 124

You are working as an Enterprise Architect within an Enterprise Architecture (EA) team at a multinational energy company. The company is committed to becoming a net-zero emissions energy business by 2050. To achieve this, the company is focusing on shifting to renewable energy production and adopting eco-friendly practices.

The EA team, which reports to the Chief Technical Officer (CTO), has been tasked with overseeing the transformation to make the company more effective through acquisitions. The company plans to fully integrate these acquisitions, including merging operations and systems.

To address the integration challenges, the EA team leader wants to know how to manage risks and ensure that the company succeeds with the proposed changes. Based on the TOGAF Standard, which of the following is the best answer?

- A. The EA team should create a Business Scenario to fully describe the business problem that is being addressed by the transformation. Once requirements are identified, they should be evaluated in terms of risks. Any residual risks should be escalated to the Architecture Board.
- B. The EA team should develop Business Architecture views that demonstrate how stakeholder concerns are addressed and assess each factor for readiness, urgency, and degree of difficulty.
- C. The EA team should evaluate the company's readiness for change by identifying factors that will impact the transformation. These factors will be used to determine initial risks associated with the initiative.
- D. The EA team should document the risks associated with the transformation in an Implementation Factor Catalog to inform decisions during implementation and deployment.

Answer: A

Explanation:

In TOGAF, creating a Business Scenario is a foundational step in defining and understanding the business problem, especially for complex transformations involving multiple stakeholders and systems, such as in this scenario. This method aligns with Phase A (Architecture Vision) of the TOGAF Architecture Development Method (ADM). Here's why this approach is the most effective:

Understanding Business Requirements: A Business Scenario provides a structured way to capture and analyze the business requirements, stakeholder concerns, and the contextual elements related to the problem. In this scenario, the company faces challenges in integrating newly acquired companies with existing operations, which includes complex stakeholder concerns across different functional areas. Developing a Business Scenario allows the EA team to break down these complexities into identifiable and manageable parts.

Risk Evaluation and Management: By using the Business Scenario approach, the EA team can not only define the requirements but also assess associated risks systematically. TOGAF emphasizes the importance of risk management through identifying potential risks, evaluating their impact, and defining strategies for handling these risks. The process includes assessing how risks can be avoided, transferred, or reduced—a necessary step in large-scale transformations to ensure that risks are proactively managed.

Residual Risks and Governance: Any risks that cannot be fully resolved should be identified as residual risks and escalated to the Architecture Board, which is aligned with TOGAF's governance approach. The Architecture Board's role in TOGAF is to provide oversight and make critical decisions on risks that exceed the control of the EA team. This ensures that unresolved risks are managed at the appropriate level of the organization.

Alignment with TOGAF ADM Phases: The Business Scenario approach directly aligns with the Preliminary and Architecture Vision phases of the TOGAF ADM, which focuses on establishing a baseline understanding of the business context and the strategic transformation required. The detailed understanding of requirements, stakeholder concerns, and risks identified here will guide the subsequent phases of the ADM, including Business Architecture and Information Systems Architecture.

TOGAF Reference (Section 2.6, ADM Techniques): TOGAF provides guidelines on the creation of Business Scenarios as part of ADM Techniques, highlighting the importance of defining a business problem comprehensively to ensure successful transformation. This method includes identification of stakeholders, business requirements, and associated risks, which aligns well with the company's need for strategic and systematic integration of new business units.

By utilizing a Business Scenario, the EA team ensures that all aspects of the transformation are well understood, risks are identified early, and residual risks are managed effectively, aligning with the company's strategic objectives and the TOGAF framework's guidance on risk management and stakeholder alignment.

Question: 125

You are working as an Enterprise Architect within an Enterprise Architecture (EA) team at a large government agency with multiple divisions. The agency has a well-established EA practice and follows the TOGAF standard as its method for architecture development. The government has mandated that the agency prepare for an "AI-first" world.

The agency wants to determine the impact and role of AI in its future services. The CIO has approved a Request for Architecture Work to explore the use of AI in services. Some leaders are concerned about reliance on AI, security, and employees' need to acquire new skills.

The EA team leader seeks suggestions on managing the risks associated with a new architecture for the AI-first project. Based on the TOGAF standard, which of the following is the best answer?

- A. Conduct an analysis of stakeholders, documenting their concerns and recording them in the Architecture Vision document. Risks should be recorded in the Architecture Requirements Specification and reviewed regularly.
- B. Identify key stakeholders and develop a Communication Plan that addresses their needs. Ensure the architecture addresses risk management and summarizes features of the architecture.
- C. Separate stakeholders into groups and categorize them. Develop models for each group and verify that their concerns are addressed in Phase G, Implementation Governance.
- D. Create an organization map to show the links between different agency parts. Hold a meeting to teach stakeholders to interpret the models. Manage risks as part of Security Architecture development.

Answer: A

Explanation:

In the context of the TOGAF standard, stakeholder management and addressing stakeholder concerns are critical components, especially for high-impact initiatives like adopting an AI-first approach. Here's why the selected answer aligns best with TOGAF principles and the scenario:

Stakeholder Analysis and Engagement: Conducting a stakeholder analysis is essential as it helps identify and document the concerns, issues, and cultural factors influencing each stakeholder group. This aligns with TOGAF's emphasis on

understanding and managing stakeholder concerns, particularly in the Preliminary and Architecture Vision phases of the ADM (Architecture Development Method). Since the scenario highlights diverse concerns about AI, understanding each group's unique perspective will help the EA team tailor the architecture to address these effectively.

Architecture Vision Document:By documenting these concerns in the Architecture Vision document, the EA team can provide a clear, high-level representation of how AI will be adopted, its benefits, and how it addresses specific stakeholder concerns. This is critical for communicating the intent and value of the AI-first approach in a way that aligns with the agency's strategic goals, including addressing apprehensions about job security, skill development, and cyber resilience.

Risk Management and Architecture Requirements Specification:TOGAF highlights the importance of identifying and managing risks early in the process. By documenting the requirements related to risk in the Architecture Requirements Specification, the EA team ensures that these concerns are formally integrated into the architecture and addressed throughout the ADM phases. Regular assessments and feedback loops will provide a mechanism for continual risk monitoring and adjustment as the AI-first initiative progresses.

Alignment with TOGAF's ADM Phases:The approach specified aligns with TOGAF's guidance on managing risk and stakeholder concerns during the early ADM phases, specifically Architecture Vision and Requirements Management. In these phases, the framework emphasizes identifying and addressing risks associated with stakeholders' concerns to build a resilient and widely accepted architecture.

Reference to TOGAF Stakeholder Management Techniques:TOGAF's stakeholder management techniques underscore the importance of understanding and addressing stakeholder needs as a foundational step. This involves assessing the influence and interest of various stakeholders and integrating their views into architectural development, ensuring that the architecture aligns with both business goals and operational realities.

In conclusion, by conducting a thorough stakeholder analysis and documenting concerns in both the Architecture Vision and Architecture Requirements Specification, the EA team can ensure that stakeholder concerns are addressed, that the architecture supports AI adoption effectively, and that potential risks are managed proactively. This approach will foster acceptance among stakeholders and ensure that the architecture aligns with the agency's strategic goals and risk management requirements as recommended by TOGAF.

Question: 126

You are working as an Enterprise Architect within the Enterprise Architecture (EA) team at a healthcare and life sciences company. The EA team is developing a secure system for researchers to share clinical trial information easily across the organization and with external partners.

Due to the highly sensitive nature of the information, each architecture domain must consider privacy and safety concerns. The healthcare division has been directed to minimize disruptions to clinical trials while introducing the new system gradually.

How would you identify the work packages for introducing the new system? Based on the TOGAF standard, which of the following is the best answer?

- A. Use a Consolidated Gaps, Solutions, and Dependencies Matrix to create work packages and sequence them into Capability Increments. Document in a Transition Architecture State Evolution Table.
- B. Identify Solution Building Blocks for development or procurement, then use a CRUD matrix to rank and select the most cost-effective work packages. Schedule the rollout sequentially across regions.
- C. Use a Consolidated Gaps, Solutions, and Dependencies Matrix to classify each solution, group them into work packages, then regroup into Capability Increments. Document in an Architecture Definition Increments Table.
- D. Draw up an Implementation Factor Catalog to indicate actions and constraints. Use a Consolidated Gaps, Solutions, and Dependencies Matrix, then group similar activities into work packages and identify dependencies.

Answer: C

Explanation:

In the TOGAF framework, understanding and addressing stakeholder concerns is crucial, particularly for complex projects with high stakes like the AI-first initiative described in the scenario. This approach aligns well with TOGAF's ADM (Architecture Development Method) and its emphasis on effective stakeholder management and risk assessment. Here's why this is the best course of action:

Stakeholder Analysis and Documentation: Conducting a stakeholder analysis is foundational in the early stages of any TOGAF project, particularly during the Preliminary and Architecture Vision phases. This process involves identifying the different stakeholders, understanding their positions, documenting their concerns, and considering any cultural factors that might influence their perspective on the AI-first initiative. Given the diverse concerns raised (such as job security, skill requirements, and cybersecurity), it's essential to have a clear understanding of each stakeholder group's priorities and fears.

Recording Concerns in the Architecture Vision Document: The Architecture Vision phase in TOGAF focuses on defining the high-level scope and objectives of the architecture project. By documenting stakeholder concerns and the corresponding views in the Architecture Vision document, the EA team ensures that these concerns are transparently acknowledged and addressed as part of the strategic direction. This step not only aligns with TOGAF best practices but also helps in building stakeholder buy-in and trust.

Architecture Requirements Specification and Risk Management: Risk management is a key aspect of TOGAF's ADM, particularly in the Requirements Management and Implementation Governance phases. Documenting the requirements for addressing specific risks in the Architecture Requirements Specification provides a structured way to ensure that identified risks are acknowledged and managed throughout the transformation. Regular assessments and feedback loops ensure ongoing alignment and adaptability to emerging risks, which is particularly important given the dynamic nature of AI and its associated challenges.

Alignment with TOGAF ADM Phases: This approach follows the prescribed flow of TOGAF's ADM, starting with stakeholder engagement in the Preliminary and Architecture Vision phases and progressing to risk assessment in the Requirements Management phase. By maintaining a focus on stakeholder needs and formalizing these into architecture requirements, the EA team can ensure that the architecture not only meets business objectives but also mitigates stakeholder concerns.

TOGAF Reference on Stakeholder Management Techniques: TOGAF places significant emphasis on managing stakeholder concerns through its stakeholder management techniques, which highlight the need to systematically identify, analyze, and address the concerns of all involved parties. This practice helps ensure that the architecture is viable and accepted across the organization.

By conducting a thorough stakeholder analysis and integrating the findings into both the Architecture Vision and the Architecture Requirements Specification, the EA team can proactively address stakeholder concerns, manage risks, and align the AI-first initiative with the agency's strategic objectives. This approach is consistent with TOGAF's guidance and provides a structured framework for addressing both business and technical challenges in the context of an AI-first transformation.

Question: 127

Please read this scenario prior to answering the question

You are working as an Enterprise Architect at a large supermarket. The company runs many retail stores, as well as an online grocery shop. Many of the stores used to remain open 24/7, but the number has decreased in recent years. Instead, they now focus on fulfilling online orders during the night.

The company has a mature Enterprise Architecture (EA) practice and uses the TOGAF standard for its architecture development method. The EA practice is involved in all aspects of the business, with oversight provided by an Architecture Board with representatives from different parts of the business. The EA program is sponsored by the Chief Information Officer (CIO).

Each store uses a standard method to track sales and inventory. This involves sending accurate timely sales data to a central AI-based inventory management system that can predict demand, adjust stock levels and automate reordering. The central inventory management system is housed at the company's central data center.

The company has bought a major rival. The Chief Executive Officer believes that a merger will enable growth through combined offerings and cost savings. The decision has been taken to fully integrate the two organizations, including merging retail operations and systems. This means that duplicated systems will be replaced with one standard retail management system. Also, the

company will reduce the number of applications that are used. The CIO expects significant savings will be achieved by implementing these changes across the newly merged company.

One improvement that the rival has successfully implemented is the use of hand-held devices within stores, for both customers and staff. This has increased both customer and staff employee satisfaction due to the time savings this has brought. The CIO has given the go-ahead to roll out the devices in all stores but has stated that training on how to use the hand-held devices should be brief because there are a lot of employees, many of whom are part-time.

The Request for Architecture Work to oversee the merger has been approved. The project has been scoped and you have been assigned to work on it. Your role includes managing the architecture for the retail stores.

Refer to the scenario

You have been asked to confirm the most relevant architecture principles for the transformation.

Based on the TOGAF Standard, which of the following is the best answer?

[Note: The sequence of the principles listed in each answer does not matter. You should assume the company follows the set of principles that are provided in the TOGAF Standard, ADM Techniques, Architecture Principles chapter. You may need to refer to section 2.6 located in ADM Techniques within the reference text to answer this question.]

- A. Maximize Benefit to the Enterprise, Common Use Applications, Data is an Asset, Responsive Change Management, Technology Independence
- B. Control Technical Diversity, Interoperability, Data is an Asset, Data is Shared, Business Continuity
- C. Common Vocabulary and Data Definitions, Compliance with the Law, Requirements Based Change, Responsive Change Management, Data Security
- D. Common Use Applications, Data is an Asset, Data is Accessible, Ease of Use, Business Continuity

Answer: A

Explanation:

Key aspects of the scenario:

Business Objective:

A merger is happening to combine offerings, reduce costs, and achieve operational efficiency.

The goal includes fully integrating retail operations and systems, replacing duplicated systems, and reducing the number of applications used.

Technological Improvements:

A central AI-based inventory system is in place.

Hand-held devices for stores have improved customer and staff satisfaction and increased efficiency.

Scope of Architecture Work:

Integrating the merged systems.

Managing retail architecture to optimize operations.

TOGAF Alignment:

TOGAF principles aim to ensure the architecture supports business transformation effectively while aligning with governance and best practices.

Best answer analysis:

Option 1:

Maximize Benefit to the Enterprise: Aligns with the merger goals of cost reduction and efficiency.

Common Use Applications: Matches the goal to reduce duplicated systems.

Data is an Asset: Central AI system depends on accurate and reliable data.

Responsive Change Management: Necessary to support the transition and manage organizational impacts.

Technology Independence: Encourages selecting flexible, scalable solutions post-merger.

This option comprehensively aligns with the scenario.

Option 2:

Control Technical Diversity: Important but less emphasized than cost reduction and application unification.

Interoperability: Relevant, but less critical compared to principles addressing business value.

Data is an Asset: Relevant.

Data is Shared: Implied in centralized inventory but not directly stated.

Business Continuity: Important but not the main focus here.

This option partially fits but lacks emphasis on business outcomes.

Option 3:

Common Vocabulary and Data Definitions: Indirectly helpful but not central to the transformation.

Compliance with the Law: Always critical, but no explicit legal issues are mentioned.

Requirements-Based Change: General principle but not transformation-specific.

Responsive Change Management: Relevant.

Data Security: Important but not a central concern in the scenario.

This option focuses more on governance and less on merger goals.

Option 4:

Common Use Applications: Relevant to reducing duplicate systems.

Data is an Asset: Relevant.

Data is Accessible: Fits with AI system and handheld devices but is a subset of "Data is an Asset."

Ease of Use: Relevant to handheld devices but not a core transformation principle.

Business Continuity: Important but secondary to cost and efficiency.

This option focuses more on usability and accessibility rather than transformation objectives.

Question: 128

Please read this scenario prior to answering the question

You are working as an Enterprise Architect within a healthcare and life science company. The company is a leading player in its industry, dedicated to transforming healthcare with new ideas and advancements. The company has multiple divisions that cover different aspects of the business.

The company's Enterprise Architecture (EA) department has been operating for several years and has mature, well-developed architecture governance and development processes following the TOGAF Standard. In addition to the EA program, the company has a number of management frameworks in use.

The Architecture Board includes representatives from each division of the company.

Many of the company's rivals have begun utilizing Artificial Intelligence (AI) in their operations, and the indications are that this will be transformative for healthcare delivery. This is something the EA department has been interested in for a while, and they had recently submitted an architecture Change Request which was approved. As a result, the CIO has approved a Request for Architecture Work to investigate the implementation of AI in the company.

Areas for evaluation include:

How can staff use AI daily in their current role?

How AI can enhance access to care for patients, and how to make that experience seamless?

How AI can offer new workplace platforms and tools to increase efficiency?

Some of the top managers are worried about a change in the way of working, and if it will achieve the goals.

Many are not confident that the company's risk management processes are adequate for a companywide integration of generative AI. There are also questions from staff about whether enough specific guidelines and policies have been put in place for responsible use of AI.

The Chief Information Officer (CIO) is the sponsor of the Enterprise Architecture program. The CIO has actively encouraged architecting with agility within the EA department as her preferred approach for projects.

The CIO wants to know how to address these concerns and reduce risks.

Refer to the scenario

You have been tasked with starting the architecture development. How do you begin?

Based on the TOGAF standard which of the following is the best answer?

- A. You recommend that an analysis of the stakeholders is undertaken. This will allow the architects to define groups of partners (the stakeholders) who have common concerns and include development of a Stakeholder Map. The concerns and relevant views should then be defined for each group and recorded in the Architecture Vision document. To mitigate risk, you include a requirement that there be progressive development of the target architecture to ensure there is regular feedback.
- B. You recommend that a Communications Plan be created to address the key stakeholders, that is the most powerful and influential partners. This plan should include a report that summarizes the key features of the architecture with respect to each location and reflects the stakeholders' requirements. You will check with each key stakeholder that their concerns are being addressed. Risk mitigation should be explicitly addressed as a component of the architecture being developed.
- C. You recommend that models be created for the Draft Business, Data, Application, and Technology Architectures. These can be used to ensure that the system will be compliant with the local regulations for each division. Together with the problem description, and requirements, this ensures that all the necessary data and detail is addressed. A formal review should be held with the stakeholders to verify that their concerns have been properly addressed by the models.
- D. You recommend creation of a set of business models that can be applied uniformly across all AI-related architecture projects. These should be developed in the portable format to ensure maximum portability across the many tools used in the firm. Each architecture should then be defined based on this fixed set of models. All concerned parties can then examine the models to ensure that their needs have been addressed.

Answer: A

Explanation:

Key aspects of the scenario:

Objective:

Integrating Artificial Intelligence (AI) into healthcare delivery, with a focus on improving patient care, enhancing workplace efficiency, and enabling seamless experiences.

Challenges:

Stakeholder concerns about risk management, adaptability to change, and ensuring alignment with regulations and policies.

Addressing the concerns of staff and top management about AI integration and achieving the desired goals.

CIO's Perspective:

Encouraging an agile approach to architecture development.

Addressing risks and ensuring stakeholder concerns are managed.

Areas for Evaluation:

AI usage by staff and impact on workflows.

Patient experience enhancement via AI.

New workplace platforms and tools powered by AI.

Option Analysis:

Option 1: Analysis of stakeholders and development of a Stakeholder Map

Pros:

Stakeholder analysis is critical for identifying concerns, viewpoints, and requirements.

TOGAF emphasizes stakeholder engagement early in the process to mitigate risks and align expectations.

Developing a Stakeholder Map ensures clear alignment with their interests and creates a foundation for regular feedback loops.

Cons:

Does not explicitly address the creation of architecture models or policies upfront.

Option 2: Creation of a Communications Plan

Pros:

A communications plan fosters effective stakeholder engagement by addressing their concerns and ensuring transparent reporting.

Risk mitigation as part of communication aligns with TOGAF's stakeholder management practices.

Cons:

This focuses more on communication mechanics rather than advancing architectural development directly.

Option 3: Models for Draft Business, Data, Application, and Technology Architectures

Pros:

Aligns with the Architecture Development Method (ADM), ensuring compliance with requirements and regulations.

Helps formalize stakeholder feedback by verifying their concerns against tangible models.

Cons:

Developing detailed models early on may delay immediate resolution of stakeholder concerns and risk mitigation.

Option 4: Set of reusable business models for AI-related projects

Pros:

Standardized models ensure consistency and portability across the organization's AI-related efforts.

Cons:

Too narrow in focus for the initial architecture development phase; does not address risk management or stakeholder concerns adequately.

Recommended Answer:

Option 1: You recommend that an analysis of the stakeholders is undertaken.

Reasoning:

The scenario highlights stakeholder concerns about risks, adaptability, and compliance. Addressing these concerns requires stakeholder analysis as the first step.

A Stakeholder Map aligns with TOGAF's emphasis on stakeholder engagement, providing a structured way to manage their concerns and expectations.

Identifying concerns early and integrating feedback into the Architecture Vision document ensures alignment with goals and smooth progress.

Option 1 sets the foundation for collaboration and risk management, making it the best fit for the current phase.

Question: 129

Scenario

You are working as an Enterprise Architect within a large manufacturing company. The company has multiple divisions located worldwide.

After a recent study, senior management is concerned about the impact of the company's multiple data centers and duplication of applications on business efficiency. To address this concern, a strategic architecture has been defined; it will help improve the ability to meet customer demand and improve the efficiency of operations. The strategic architecture involves the consolidation of multiple application programs that are currently used in different divisions and putting them all onto

a cloud-based solution instead.

Each division has completed the Architecture Definition documentation to meet its own specific operational requirements. The enterprise architects have analyzed the corporate changes and implementation constraints. A consolidated gap analysis has been completed. Based on its results, the architects have reviewed the requirements, dependencies, and interoperability requirements needed to integrate the cloud-based solution. The architects have completed the Business Transformation Readiness Assessment. Based on all these factors, they have produced a risk assessment. They have also completed the draft Implementation and Migration Plan, the draft Architecture Roadmap, and the Capability Assessment deliverables.

Due to the risks of changing from the current environment, the decision has been taken that a gradual approach is needed to implement the target architecture. It will likely take a few years to complete the whole implementation process.

The company has a mature Enterprise Architecture (EA) practice and uses the TOGAF standard for its architecture development method. The EA practice is engaged throughout all the divisions, with implementation governance assigned to a business line. In addition to providing guidance on using architecture frameworks, including business planning, project/portfolio management, and operations management, the EA program is sponsored by the Chief Information Officer (CIO).

You have been asked to decide on the next steps for the migration planning.

Based on the TOGAF standard, which of the following is the best answer?

A. You update the Architecture Definition Document, which includes setting project objectives and documenting the final requirements. This will ensure that the architecture remains relevant and responsive to the needs of the enterprise.

You then produce an Implementation Governance Model to manage the lessons learned prior to finalizing the Implementation and Migration Plan. You recommend that lessons learned be applied as changes to the architecture without review.

B. You conduct a series of Compliance Assessments to ensure that the architecture is being implemented according to the contract. The Compliance Assessment verifies that the implementation team is using the proper development methodology. It should include deployment of monitoring tools and ensure that performance targets are being met. If they are not met, then you would identify changes to performance requirements and update those in the Implementation and Migration Plan.

C. You examine how the Implementation and Migration Plan affects the other frameworks being used in the organization. You coordinate the planning with the business planning, project/portfolio management, and operations management frameworks. You assign a business value to each project, considering the available resources and how well

they align with the strategy. You then update the architecture roadmap and the Implementation and Migration Plan.

D. You assess the business value for each project by applying the Business Value Assessment Technique. The assessment should focus on return on investment and performance evaluation criteria to prioritize the most progress of the architecture transformation. You confirm and plan a series of Transition Architecture phases using an Architecture Definition Increments Table. You document the lessons learned and generate the final Implementation and Migration Plan.

Answer: C

Explanation:

Context of the Scenario

The organization is currently in the Migration Planning phase, which corresponds to Phase F of the TOGAF ADM (Architecture Development Method). The key activities for this phase involve:

Evaluating dependencies and impacts on other organizational frameworks.

Aligning the roadmap and migration plan with strategic objectives and available resources.

Addressing the risks of transitioning from the current architecture to the target architecture using a phased approach.

The deliverables (Architecture Roadmap, Capability Assessment, etc.) and assessments (Gap Analysis, Risk Assessment, Transformation Readiness) have already been developed. The next step is to refine and finalize the migration planning.

Option Analysis

Option A:

While updating the Architecture Definition Document could ensure alignment, this step was completed in earlier phases (B, C, D). At this stage, further changes to the architecture must go through a formal governance review, and applying lessons learned without review contradicts TOGAF principles.

Producing an Implementation Governance Model is more relevant in Phase G (Implementation Governance), not in Phase F.

Conclusion: Incorrect, as it suggests revisiting earlier steps and does not align with the current phase.

Option B:

Conducting Compliance Assessments ensures the architecture is implemented correctly, but this is a

task for Phase G (Implementation Governance) after migration planning has been finalized and implementation begins.

Deployment of monitoring tools is also part of implementation and governance activities, not migration planning.

Conclusion: Incorrect, as it focuses on tasks belonging to a later phase.

Option C:

Examining how the Implementation and Migration Plan affects other organizational frameworks is critical in Phase F, as TOGAF emphasizes alignment with business planning, project/portfolio management, and operations management.

Assigning business value to each project ensures prioritization and optimal allocation of resources.

Updating the Architecture Roadmap and the Implementation and Migration Plan based on this analysis ensures strategic alignment and readiness for implementation.

Conclusion: Correct, as it addresses the key objectives of the Migration Planning phase comprehensively.

Option D:

Applying the Business Value Assessment Technique is valid for prioritizing initiatives but is a limited aspect of Migration Planning.

Planning Transition Architecture phases and documenting lessons learned are valid, but this does not address broader organizational impacts or dependencies as effectively as Option C.

Conclusion: Narrow focus; less comprehensive than Option C.

Reference to TOGAF

Phase F (Migration Planning): The focus is on aligning the migration plan with business objectives, considering organizational dependencies, and prioritizing projects (TOGAF 9.2, Chapter 12).

Architecture Roadmap and Implementation Plan: Updated to reflect changes in priorities and alignment with business frameworks (TOGAF 9.2, Section 12.4).

Framework Integration: Collaboration with other frameworks (e.g., business planning, portfolio management) ensures alignment across the organization (TOGAF 9.2, Section 6.5.2).

Business Value Assessment Technique: Used to prioritize initiatives based on return on investment and performance criteria (TOGAF 9.2, Section 24.4).

Question: 130

Scenario

You are working as an Enterprise Architect within an Enterprise Architecture (EA) team at a global company that sells consumer products. The company produces many products that buyers use and enjoy.

The company has announced a major change to its products that will occur over a four-year period. This change includes the introduction of digital products and services. An architecture to support this strategy has been finished, along with a roadmap for a set of projects to implement this significant change. This will be a cross-functional effort between the product design and software teams. It is planned to be developed in phases.

The company faces a challenge in presenting and providing access to different services through its products and digital platforms while ensuring compliance with data privacy laws. In some countries and regions, the data residency requirements mean that the company has to store certain data within the region where it is collected. As a result, the company's application portfolio and infrastructure must connect with various cloud services and data repositories in different countries.

The EA team has inherited the architecture used by the current products, some of which can be carried over to the new products. The EA team has started to define which parts of the architecture to carry forward. Enough of the Business Architecture has been defined so that work can commence on the Information Systems and Technology Architectures. Those architectures need to be defined to support the key digital services that the company plans to provide.

The company uses the TOGAF Standard as the foundation for its Enterprise Architecture framework, and architecture development follows the purpose-based EA Capability model outlined in the TOGAF Series Guide: A Practitioner's Approach to Developing Enterprise Architecture Following the TOGAF ADM. The EA team reports to the Chief Information Officer (CIO), who oversees the program.

You have been asked how to decide and organize the work to deliver the requested architectures.

Based on the TOGAF standard, which of the following is the best answer?

A. You refer to the superior architecture for guidance. You review the projects identified, their dependencies, and synergies, then decide the sequence for starting the projects. You develop high-level architecture descriptions. For each project, you determine how much work is needed, identify reference architectures, and candidate building blocks. You identify the resource needs taking into account cost and value. You document the different options, risks, and ways to control them to enable feasibility analysis and trade-off with the stakeholders.

B. You look outside the company to study how other companies organize their data models and application portfolios. You create just enough architecture description for the Application, Data, and Technology Architectures to identify the different options. For each project, this includes identification of candidate architecture and solution building blocks. You then identify solution providers, perform a readiness assessment, and assess the viability and fitness of the solution options. You then write the draft Implementation and Migration plan.

C. You research leading data companies, using your findings to help in developing high-level Target Data, Application, and Technology Architectures. You review the Architecture Vision to determine the level of detail, time, and scope of the ADM cycle phases required for each project. You identify and estimate the cost of the main resources. You then prepare

an Architecture Roadmap and request the Architecture Board to review the roadmap. You then start the project.

D. You commence an iteration of ADM Phase A, identifying the stakeholders and revising the Architecture Vision. You perform a Stakeholder Analysis and update the Stakeholder Map. You conduct workshops and interviews to reflect the stakeholders who are now the key drivers for the digital products and services. You coordinate with the CIO to ensure alignment with the overall roadmap and update the Implementation and Migration Plan accordingly.

Answer: A

Explanation:

Comprehensive and Detailed Step-by-Step Explanation

Context of the Scenario

The company is in the process of delivering requested architectures to support the introduction of digital products and services. The Business Architecture is sufficiently defined, and the focus is on developing the Information Systems and Technology Architectures.

TOGAF emphasizes breaking down large, complex transformation programs into manageable projects, focusing on dependencies, risks, trade-offs, and sequencing of efforts. Based on the scenario, the company must deal with:

Data privacy and residency compliance across different regions.

Re-use of existing architecture for efficiency.

Alignment of digital services with a global roadmap.

The activity described aligns with ADM Phases B (Business Architecture), C (Information Systems Architecture), and D (Technology Architecture), with a focus on delivering architectures for implementation.

Option Analysis

Option A:

Strengths:

Refers to developing high-level architecture descriptions and identifying reference architectures and candidate building blocks, which align with ADM Phases B, C, and D.

Addresses feasibility analysis, trade-offs, and stakeholder engagement, which are part of architecture development and decision-making in TOGAF.

Ensures that the architecture descriptions are resource-conscious, including cost and value analysis, dependencies, risks, and synergies between projects.

Conclusion: Correct, as it provides a complete approach to organizing the work to deliver architectures while adhering to TOGAF principles.

Option B:

Strengths:

Suggests creating architecture descriptions for the Application, Data, and Technology Architectures, which are necessary for delivering requested architectures.

Addresses readiness assessments and the fitness of solutions.

Weaknesses:

Emphasizes looking outside the company and studying other companies' models, which is not necessarily aligned with TOGAF unless justified by specific gaps.

Skips essential TOGAF steps like feasibility analysis and detailed stakeholder engagement.

Conclusion: Incorrect, as it places undue emphasis on external research instead of leveraging TOGAF's structured ADM.

Option C:

Strengths:

Suggests reviewing the Architecture Vision and determining scope, which aligns with TOGAF principles.

Proposes preparing an Architecture Roadmap and involving the Architecture Board for review.

Weaknesses:

Does not cover important elements such as candidate building blocks, feasibility analysis, or stakeholder engagement.

Suggests starting the project prematurely without proper sequencing or risk trade-offs.

Conclusion: Incorrect, as it skips key steps and lacks a structured approach to dependencies and resource management.

Option D:

Strengths:

Suggests revising the Architecture Vision and conducting a Stakeholder Analysis, which aligns with Phase A of the ADM.

Weaknesses:

Returning to Phase A is not required here, as the Architecture Vision has already been defined. Revising the vision at this stage indicates a step backward.

Lacks focus on feasibility analysis, dependencies, and sequencing, which are the immediate needs in this phase.

Conclusion: Incorrect, as it unnecessarily revisits earlier ADM phases instead of progressing.

TOGAF

Reference

ADM Phases B, C, D: Emphasizes developing detailed architectures, identifying candidate building blocks, and addressing dependencies, risks, and resource needs (TOGAF 9.2, Chapters 8-10).

Architecture Roadmap and Feasibility Analysis: Guides sequencing and trade-offs for implementation (TOGAF 9.2, Section 12.4).

Stakeholder Engagement: Critical for ensuring alignment and feasibility (TOGAF 9.2, Section 24.2).

Decision-Making and Trade-offs: TOGAF emphasizes documenting risks and trade-offs as part of feasibility analysis (TOGAF 9.2, Section 6.4.1).

Question: 131

Scenario

Your role is that of an Enterprise Architect, reporting to the Chief Enterprise Architect, at a technology company.

The company uses the TOGAF standard as the method and guiding framework for its Enterprise Architecture (EA) practice.

The Chief Technology Officer (CTO) is the sponsor of the activity. The EA practice uses an iterative approach for its architecture development. This has enabled the decisionmakers to gain valuable insights into the different aspects of the business.

The nature of the business is such that the data and the information stored on the company systems is the company's major asset and is highly confidential. The company employees travel a lot for work and need to communicate over public infrastructure. They use message encryption, secure internet connections using Virtual Private Networks (VPNs), and other standard security measures. The company has provided computer security awareness training for all its staff. However, despite good education and system security, there is still a need to rely on third-party suppliers for infrastructure and software.

The Chief Security Officer (CSO) has noted an increase in ransomware (malicious software used in ransom demands) attacks on companies with a similar profile. The CSO recognizes that no matter how much is spent on education and support, the company could be a victim of a significant attack that could completely lock them out of their important data.

A risk assessment has been completed, and the company has looked for cyber insurance that covers ransomware. The price for this insurance is very high. The CTO recently saw a survey that said 1 out of 4 businesses that paid ransoms could not get their data back, and almost the same number were able to recover the data without paying. The CTO has decided not to get cyber insurance to cover ransom payment.

You have been asked to describe the steps you would take to strengthen the current architecture to improve data protection.

Based on the TOGAF standard, which of the following is the best answer?

A. You would ensure that the company has in place up-to-date processes for managing change to the current Enterprise Architecture. Based on the scope of the concerns raised, you recommend that this be managed at the infrastructure level. Changes should be made to the baseline description of the Technology Architecture. The changes should be approved by the Architecture Board and implemented by change management techniques.

B. You would request an Architecture Compliance Review with the scope to examine the company's ability to respond to ransomware attacks. You would identify the departments involved and have them nominate representatives. You would then tailor checklists to address the requirement for increased resilience. You would circulate to the nominated representatives for them to complete. You would then review the completed checklists, identifying and resolving issues. You would then determine and present your recommendations.

C. You would monitor for technology updates from your existing suppliers that could enhance the company's capabilities to detect, react, and recover from an IT security incident. You would prepare and run a disaster recovery planning exercise for a ransomware attack and analyze the performance of the current Enterprise Architecture. Using the findings, you would prepare a gap analysis of the current Enterprise Architecture. You would prepare change requests to address identified gaps. You would add the changes implemented to the Architecture Repository.

D. You would assess business continuity requirements and analyze the current Enterprise Architecture for gaps. You would recommend changes to address the situation and create a change request. You would engage the Architecture Board to assess and approve the change request. Once approved, you would create a new Request for Architecture Work to begin an ADM cycle to implement the changes.

Answer: B

Explanation:

Comprehensive and Detailed Step-by-Step Explanation

Context of the Scenario

The scenario highlights significant risks due to ransomware attacks and the need to strengthen the company's Enterprise Architecture to improve data protection and resilience. TOGAF emphasizes the Architecture Compliance Review as a mechanism for ensuring the architecture meets its objectives and addresses specific concerns such as security, resilience,

and compliance with organizational goals.

The organization has already conducted a risk assessment but requires actionable steps to:

Address ransomware attack risks.

Increase the resilience of the Technology Architecture.

Ensure proper alignment with governance and compliance frameworks.

Option Analysis

Option A:

Strengths:

Highlights the need for up-to-date processes for managing changes in the Enterprise Architecture.

Recognizes the importance of governance through the Architecture Board and change management techniques.

Weaknesses:

The approach focuses solely on the Technology Architecture baseline but does not address the need for specific steps such as compliance review, gap analysis, or tailored resilience measures for ransomware risks.

It provides a broad and generic approach rather than a targeted plan for ransomware and data protection issues.

Conclusion: Incorrect. While it adheres to governance processes, it lacks specific actions to improve resilience and address the immediate security concerns.

Option B:

Strengths:

Proposes an Architecture Compliance Review, which is a core TOGAF process used to evaluate architecture implementation against defined objectives, ensuring it is fit for purpose.

Involves identifying stakeholders (departments) and tailoring checklists specific to ransomware resilience.

Emphasizes issue identification and resolution through structured review processes.

Weaknesses:

Does not explicitly address longer-term updates to the Enterprise Architecture, but this can be inferred as a next step following compliance recommendations.

Conclusion: Correct. This is the most suitable approach based on TOGAF principles, as it uses an established process to evaluate and improve the architecture's resilience.

Option C:

Strengths:

Includes monitoring for updates from suppliers to enhance detection and recovery capabilities, which is relevant to addressing ransomware risks.

Proposes a gap analysis to identify shortcomings in the current Enterprise Architecture and recommends addressing gaps through change requests.

Incorporates disaster recovery planning exercises, which are useful for testing resilience.

Weaknesses:

While thorough, the approach lacks the Architecture Compliance Review process, which is a more structured way to ensure the architecture meets resilience requirements.

Monitoring suppliers and running disaster recovery exercises are operational steps rather than strategic architectural improvements.

Conclusion: Incorrect. While it includes valid activities, it does not adhere to TOGAF's structured approach for architecture assessment and compliance.

Option D:

Strengths:

Proposes analyzing business continuity requirements and assessing the architecture for gaps, which is relevant to the scenario.

Suggests initiating an ADM cycle to address gaps, which aligns with TOGAF principles.

Weaknesses:

Focusing on initiating a new ADM cycle may be premature, as the immediate priority is to evaluate the existing architecture and address specific resilience concerns.

Does not mention compliance review or tailored resilience measures for ransomware attacks, which are central to the scenario.

Conclusion: Incorrect. It proposes a broader approach that may not adequately address the immediate concerns highlighted by the CSO.

TOGAF

Reference

Architecture Compliance Review: A structured process used to evaluate whether an architecture meets the stated goals, objectives, and requirements (TOGAF 9.2, Chapter 19). It is particularly useful for identifying and addressing resilience requirements in scenarios involving security risks.

Stakeholder Engagement: Identifying and involving stakeholders (e.g., departments) is a critical part of architecture governance and compliance review (TOGAF 9.2, Section 24.2).

Change Management: The Architecture Compliance Review supports identifying necessary changes, which are then managed through governance and change management processes (TOGAF 9.2, Section 21.6).

By choosing Option B, you align with TOGAF's structured approach to compliance, resilience, and addressing security concerns.

Question: 132

Scenario

You are working as an Enterprise Architect within an Enterprise Architecture (EA) team at a large government agency. The agency has multiple divisions.

The agency has a well-established EA practice and follows the TOGAF standard as its method for architecture development. Along with the EA program, the agency also uses various management frameworks, including business planning, project/portfolio management, and operations management. The EA program is sponsored by the Chief Information Officer (CIO), who has actively promoted architecting with agility within the EA department as her preferred approach for projects.

The government has mandated that the agency prepare themselves for an Artificial Intelligence (AI)- first world, which they have called their "AI-first" plan. As a result, the agency is looking to determine the impact and role that AI will play moving forward. The CIO has approved a Request for Architecture Work to look at how AI can be used for services across the agency. She has noted that digital platforms will be a priority for investment in order to scale the AI applications planned. Using AI to automate tasks and make things run smoother is seen as a big advantage. Process automation and improved efficiency from manual, repetitive activities have been identified as the key benefits of applying generative AI to their agency's business. This will include back-office automation, for example, for help center agents who receive hundreds of email inquiries. This should also improve services for citizens by making them more efficient and personalized, tailored to each individual's needs.

Many of the agency leaders are worried about relying too much on AI. Some leaders think their employees will need to learn new skills. Some employees are worried they might lose their jobs to AI. Other leaders worry about security and cyber resilience in the digital platforms needed for AI to be successful.

The leader of the Enterprise Architecture team has asked for your suggestions on how to address the concerns, and how to manage the risks of a new architecture for the AI-first project.

Based on the TOGAF standard, which of the following is the best answer?

A. You recommend creating an Organization Map to display the links between different parts of the agency. This will

help the EA team to find and involve all areas of the agency impacted by this strategic change. Multiple business models should then be created that can be applied to AI-related projects. A meeting will be held with the stakeholders to teach them how to interpret the models

and see how their concerns are being addressed. Risk will be managed as part of the Security Architecture development.

B. You recommend that the key stakeholders be formally identified. This should include those who will be most helpful for the change to be successful. A Communication Plan should be made to address their needs. This plan should include a report that summarizes the key features of the architecture based on stakeholder requirements and addressing concerns. You communicate with each key stakeholder to make sure their concerns are being addressed. You make sure that the architecture being developed clearly addresses risk management.

C. You recommend conducting an analysis of the stakeholders. This involves documenting the positions, concerns, issues, and cultural factors of each group. This information will shape how the architecture is to be presented and communicated. The concerns and relevant views can then be defined for each group and recorded in the Architecture Vision document. The requirements for addressing risk should be recorded in the Architecture Requirements Specification and checked through regular assessments and feedback.

D. You recommend conducting an analysis that separates the different types of stakeholders into groups. They can be divided into categories: corporate functions, end-user organization, project team, external vendors, and external partners. A model will be developed for each stakeholder category to ensure that all the necessary information and actions are taken into account. Meetings will be arranged with stakeholders to verify that their concerns have been adequately addressed. Risk management will be included in this process.

Answer: C

Explanation:

Comprehensive and Detailed Step-by-Step Explanation

Context of the Scenario

The agency is initiating a strategic “AI-first” plan to transform processes using AI and improve efficiency while ensuring service improvements for citizens. Several stakeholder concerns have been raised, such as:

Job security for employees.

Skill development for adapting to new technologies.

Cybersecurity and resilience risks due to reliance on digital platforms.

TOGAF emphasizes the importance of stakeholder management, communication, and risk management to ensure successful adoption and implementation of new architecture. These

concerns need to be addressed methodically by gathering requirements, analyzing stakeholder positions, and

ensuring proper communication of risks and benefits.

Option Analysis

Option A:

Strengths:

Proposes creating an Organization Map to identify the links between different parts of the agency and the impact of the strategic change.

Suggests holding stakeholder meetings to address concerns.

Includes managing risks as part of Security Architecture development.

Weaknesses:

Focusing solely on creating business models and teaching stakeholders how to interpret them does not directly address cultural and positional concerns about job loss, skill development, and security.

Risk management is addressed as part of Security Architecture development but lacks broader integration into stakeholder requirements.

Conclusion: Incorrect, as it fails to systematically document stakeholder concerns and map them into requirements and architecture decisions.

Option B:

Strengths:

Highlights the importance of formal stakeholder identification and creating a Communication Plan.

Suggests addressing stakeholder concerns through communication and risk management.

Weaknesses:

Does not go into detail on analyzing stakeholder concerns, cultural positions, or specific requirements.

Lacks the inclusion of stakeholder feedback in architecture artifacts like the Architecture Vision or Requirements Specification, which are critical TOGAF outputs.

Conclusion: Incorrect, as it does not include a systematic and structured approach for stakeholder analysis and integration into architecture deliverables.

Option C:

Strengths:

Emphasizes conducting a thorough stakeholder analysis to document concerns, positions, and cultural factors, which aligns with TOGAF's approach in Phase A (Architecture Vision).

Ensures stakeholder views and requirements are recorded in the Architecture Vision document and reflected in the Architecture Requirements Specification.

Includes continuous assessment and feedback, ensuring concerns are addressed and risks managed effectively.

Aligns with TOGAF's principle of involving stakeholders in architecture development to ensure alignment and success.

Weaknesses:

Could further detail how risk management is included across all phases, but this is implied through integration into the Architecture Requirements Specification.

Conclusion: Correct, as it provides a structured and detailed approach for addressing stakeholder concerns and managing risks within TOGAF's framework.

Option D:

Strengths:

Suggests categorizing stakeholders into groups and creating models for each category.

Proposes arranging meetings to verify that concerns have been addressed.

Includes risk management as part of the process.

Weaknesses:

Dividing stakeholders into generic categories (e.g., corporate functions, project team) may not adequately capture specific cultural factors and concerns raised in the scenario.

Lacks integration of stakeholder feedback into architecture deliverables such as the Architecture Vision and Architecture Requirements Specification.

Conclusion: Incorrect, as it provides a generalized and less targeted approach to stakeholder concerns compared to Option C.

TOGAF

Reference

Stakeholder Management (Phase A): TOGAF emphasizes analyzing stakeholders' positions, concerns, and issues to shape architecture development and communication (TOGAF 9.2, Section 24.2).

Architecture Vision: Captures high-level requirements and stakeholder views to ensure alignment with business goals (TOGAF 9.2, Section 6.2).

Architecture Requirements Specification: Records detailed requirements, including those related to risk management, to guide the development of target architectures (TOGAF 9.2, Section 35.5).

Iterative Feedback: Regular assessments and feedback loops are critical to ensure stakeholder concerns are addressed effectively throughout the ADM cycle.

By selecting Option C, the approach adheres to TOGAF's principles of stakeholder analysis, communication, and integration of concerns into architecture development.

Question: 133

Scenario:

You are working as an Enterprise Architect at a large company. The company runs a chain of home improvement stores, as well as a website for selling products. The website lets many brands work with the company.

The stores open seven days a week and use a standard method to track sales and inventory. This involves sending accurate and timely sales data to a central inventory management system that can predict demand, adjust stock levels, and automate reordering. The website is supported by regional fulfillment centers and also uses the central inventory management system. The central inventory management system is housed at the company's central data center.

The company has agreed to merge with a major competitor. The leadership teams of both organizations have said they are committed to a smooth transition for customers. All stores will keep their own brand names. They will combine the systems of the organizations, which includes merging retail operations and systems. Duplicated systems will be replaced with one standard retail management system. Additionally, they will reduce the number of applications being used. The CIO

expects that these changes will lead to substantial cost savings for the newly merged company.

An enterprise plan for both organizations has been created. The aim is to set priorities for the transition, especially in terms of information management and application development. It is crucial to make decisions that will create long-term value.

The company has a mature Enterprise Architecture (EA) practice and uses the TOGAF standard for its architecture development method. The EA program is sponsored by the Chief Information Officer (CIO).

The Request for Architecture Work to oversee the transition has been approved. The project has been scoped, and you have been assigned to work on it.

You have been asked to confirm the most relevant architecture principles for the transition.

Based on the TOGAF Standard, which of the following is the best answer?

- A. Control Technical Diversity, Interoperability, Data is an Asset, Data is Shared, Business Continuity
- B. Service Orientation, Compliance with the Law, Requirements Based Change, Responsive Change Management, Data Security
- C. Common Use Applications, Data is an Asset, Common Vocabulary and Data Definitions, Maximize Benefit to the Enterprise, Business Continuity
- D. Ease of Use, Common Use Applications, Data is an Asset, Technology Independence, Business Continuity

Answer: C

Explanation:

The correct answer is C, as it aligns with the key TOGAF principles necessary for guiding enterprise architecture in a merger scenario where retail operations and systems are being consolidated.

Analysis of the Principles in Option C:

Common Use Applications

Since the two companies are merging, it is essential to standardize applications across the enterprise.

Using common applications ensures consistency, reduces costs, and improves efficiency.

TOGAF emphasizes this principle to prevent duplicate or redundant systems, which aligns with the CIO's goal of reducing the number of applications used.

Data is an Asset

In the scenario, a central inventory management system is a core business function.

Treating data as an asset ensures it is managed properly, shared efficiently, and used strategically across the merged organization.

This principle supports the company's ability to predict demand, adjust stock levels, and automate reordering.

Common Vocabulary and Data Definitions

The merger requires integrating different systems and data structures.

Having a common vocabulary ensures that all stakeholders (stores, fulfillment centers, and digital platforms) use consistent terminology and data definitions.

This minimizes confusion and ensures interoperability across business functions.

Maximize Benefit to the Enterprise

Every architectural decision should focus on the overall benefit to the business.

By consolidating IT systems and reducing redundancies, the company achieves cost savings, which directly supports this principle.

Business Continuity

The stores operate seven days a week, so system changes must ensure uninterrupted service.

Business continuity ensures that customers are not affected during the transition and that critical retail operations (sales, inventory tracking, and fulfillment) remain functional.

Why Other Options Are Incorrect?

Option A: Control Technical Diversity, Interoperability, Data is an Asset, Data is Shared, Business Continuity

Control Technical Diversity is not the primary concern here. The focus is on system consolidation, not

necessarily on limiting technology diversity.

Interoperability is important but not as critical as defining a common system and data structure.

Option B: Service Orientation, Compliance with the Law, Requirements-Based Change, Responsive

Change Management, Data Security

While service orientation and compliance are valuable, they are not the most relevant to this specific business transition.

Change management and data security are important but do not address the primary enterprise-wide architectural concerns of system consolidation.

Option D: Ease of Use, Common Use Applications, Data is an Asset, Technology Independence, Business Continuity

Ease of Use is beneficial but is not a core architecture principle in this case.

Technology Independence is useful but does not align directly with the scenario's priority, which is consolidating applications and data structures.

Reference:

TOGAF Standard, ADM Techniques, Architecture Principles (Section 2.6)

TOGAF Standard, Part III: ADM Guidelines and Techniques

TOGAF Enterprise Architecture Principles – The Open Group

Question: 134

Scenario:

You are working as an Enterprise Architect within an Enterprise Architecture (EA) team at an electric vehicle manufacturer. The company produces electric cars and battery systems. The goal of the company is to build the best technology and software platform for electric vehicles.

The company has decided to introduce a major change to its vehicle design over a five-year period. This will be a cross-functional effort between hardware and software teams, delivering significant new features in the vehicles they manufacture. It is planned to be developed in phases.

An architecture to support strategy has been completed with a roadmap for a set of projects.

The EA team has inherited the architecture for the hardware and software automotive platform used by current vehicles, some of which can be carried over to the new vehicle design. The EA team has started to define which parts of the architecture to carry forward.

The presentation and access to different variations of data that the company plans to offer through its vehicles creates an architecture challenge. The application portfolio and supporting infrastructure must connect with multiple cloud services and data repositories in different countries to be able to handle large-scale data.

Enough of the Business Architecture has been defined, so that work can commence on the Information Systems and Technology Architectures. These architectures need to be defined to support the primary business services that the company plans to provide. These services will manage and process the data created by vehicles, paving the way for self-driving vehicles in the future.

The company uses the TOGAF Standard as the basis for its Enterprise Architecture framework.

The EA team reports to the Chief Technical Officer (CTO), who is the sponsor of the EA program.

The CTO requires that the EA team follow the purpose-based EA Capability model as described in:

The TOGAF Series Guide: A Practitioners' Approach to Developing Enterprise Architecture Following the TOGAF® ADM.

Refer to the scenario:

You have been asked how to decide and organize the work to deliver the requested architectures.

Based on the TOGAF standard, which of the following is the best answer?

- A. You commence an iteration of ADM Phase A, identifying the stakeholders and revising the Architecture Vision. You perform a Stakeholder Analysis and update the Stakeholder Map created for the strategic architecture so it reflects the stakeholders who are now the most important to the projects that are to be developed. You then request the CTO to make some choices about the Architecture Roadmap and update the Implementation and Migration Plan to reflect the choices.
- B. You research leading data companies, using your findings to help in developing high-level Target Data, Application, and Technology Architectures. You review the Architecture Vision to determine the level of detail, time, and scope of the ADM cycle phases required for architecture development for the project. You identify and estimate the cost of the main work packages. You then create an Architecture Roadmap and request the Architecture Board to approve the roadmap. You then start the project.
- C. You look to the superior architecture to help plan your approach. You identify projects, dependencies, and synergies, then decide the order for starting the projects. You then develop high-level architecture descriptions. For each project, you determine how much work is needed, identify reference architectures, and candidate building blocks. You identify the resource needs taking into account cost and value. You document the different options, risks, and ways to control them to enable feasibility analysis and trade-offs with the stakeholders.
- D. You look outside the company to study how other companies organize their data models and application portfolios. You request just enough architecture description for the Application, Data, and Technology Architectures to identify different options. For each project, this includes identifying architecture and solution building blocks. You then identify solution providers and perform a readiness assessment on the new approaches.

Answer: C

Explanation:

The correct answer is C, as it aligns with the TOGAF ADM approach and best practices for organizing architecture work in a phased and structured manner.

Analysis of the Correct Answer (Option C):

Identifying Projects, Dependencies, and Synergies

The scenario describes a phased approach to vehicle development over five years.

Identifying dependencies ensures a logical and structured rollout of technology and business capabilities.

Developing High-Level Architecture Descriptions

Since Business Architecture is already defined, it is now time to develop high-level descriptions of Information Systems and Technology Architectures.

TOGAF emphasizes incremental and iterative refinement, meaning that starting with high-level descriptions is a logical first step.

Determining Workload and Resource Allocation

TOGAF ADM Phase B, C, and D involve creating architecture descriptions.

Understanding how much work is required ensures efficient resource planning and allocation.

Identifying Reference Architectures and Building Blocks

Using reference architectures and reusable architecture building blocks (ABBs) is a key best practice in TOGAF.

This enables efficiency and consistency in architecture development.

Evaluating Costs, Risks, and Feasibility

TOGAF emphasizes a risk-aware approach to enterprise architecture.

Documenting options, risks, and control measures ensures feasibility before execution.

Why Other Options Are Incorrect?

Option A: Initiating ADM Phase A Again

Incorrect because the scenario states that the Architecture Vision has already been completed.

Phase A is used for initial vision-setting, but at this point, the focus is on executing defined architectures.

Option B: Researching Data Companies for Target Architecture Development

Incorrect because the focus should be on defining internal architectures rather than external research.

While benchmarking best practices can be useful, it is not the primary activity at this stage.

Option D: Studying Other Companies and Performing Readiness Assessment

Incorrect because the focus should be on leveraging the organization's existing architecture and resources.

Solution provider readiness assessments are typically part of procurement, not enterprise architecture

development.

Reference:

TOGAF Standard, ADM Guidelines and Techniques

TOGAF Standard, ADM Phase B, C, and D – Developing the Architecture

The TOGAF Series Guide: A Practitioners' Approach to Developing Enterprise Architecture Following the TOGAF® ADM

Question: 135

Scenario:

You are working as an Enterprise Architect within a company providing legal services. The company operates in many countries and has a complicated structure. Every office must follow the local regulations in their country.

The company's Enterprise Architecture (EA) department has been operating for several years and has

mature, well-developed architecture governance and development processes based on the TOGAF standard. In addition to the EA program, the company has several management frameworks, including business planning, project/portfolio management, and operations management. The Architecture Board includes representatives from all parts of the company.

The Chief Information Officer (CIO) is the sponsor of the Enterprise Architecture program. The CIO has actively encouraged architecting with agility within the EA department as the preferred approach for projects. The CIO has given approval for a Request for Architecture Work to explore the adoption of an AI-powered system for managing legal cases and financial processes.

Senior management has become more concerned about business performance, especially with the advancements in Artificial Intelligence (AI). Many of the company's competitors have started using AI to assist with legal strategies, streamline processes, and boost productivity. One of the most important benefits AI has for the business is its ability to increase accuracy and minimize mistakes.

Some of the top managers are worried about a change in the way of working, and if it will achieve the business goals.

Their staff also fear that management will use the AI system to measure their performance. The CIO wants to know how to address these concerns and reduce risks.

The new system is expected to guide legal professionals and analysts on which tasks to focus on. The main goals are to improve productivity and make better use of staff. In addition, the CIO hopes these changes will lead to higher customer satisfaction.

Refer to the scenario:

You have been asked to respond to the Chief Information Officer (CIO) recommending an approach that would enable the development of an architecture that addresses the concerns of the top managers and the multiple branches in different parts of the company.

Based on the TOGAF standard, which of the following is the best answer?

A. You recommend that models be created for each of the Business, Application, and Technology architectures. These can be used to ensure that the system will be compliant with the local regulations for each operating entity. This ensures that all necessary data and detail is addressed. A formal review should be held with the stakeholders to verify that their concerns have been properly addressed by the models.

B. You recommend that an analysis of the stakeholders is undertaken. This will allow the architects to define groups of partners (the stakeholders) who have common concerns and include development of a Stakeholder Map. The concerns and relevant views should then be defined for each group and recorded in the Architecture Vision document. To reduce risk, you include a requirement that there be progressive development of the target architecture to get regular feedback.

C. You recommend creation of a set of business models that can be applied uniformly across all AI-related architecture projects. These should be developed in a portable format to ensure maximum portability across the many tools used in the firm. Each architecture should then be defined based on this fixed set of models. All concerned stakeholders can then examine the models to ensure that their needs have been addressed.

D. You recommend that a Communications Plan be created to address the key stakeholders, particularly influential partners. This plan should include a report summarizing the key features of the architecture with respect to each location and reflect the stakeholders' requirements. You will check with each key stakeholder that their concerns have been addressed. Risk mitigation should be explicitly addressed as a component of the architecture being developed.

Answer: B

Explanation:

The correct answer is B, as it aligns with TOGAF's stakeholder management approach, ensuring that stakeholder concerns are captured and addressed iteratively throughout the architecture development process.

Analysis of the Correct Answer (Option B):

Stakeholder Analysis and Mapping

The scenario highlights that top managers and staff are worried about the changes AI will bring.

TOGAF recommends stakeholder analysis early in the ADM process to ensure that concerns, expectations, and risks are documented.

Creating a Stakeholder Map groups stakeholders by common concerns, allowing architects to develop tailored

viewpoints.

Recording Concerns in the Architecture Vision Document

The Architecture Vision (ADM Phase A) serves as a high-level guiding document.

Capturing stakeholder concerns in the Vision document ensures alignment between business goals and technology implementation.

Iterative Development and Regular Feedback

The scenario describes an AI-powered system with major business impacts, so incremental validation is necessary.

TOGAF emphasizes progressive development to manage risk and validate requirements continuously.

Regular feedback loops help mitigate resistance from top managers and staff.

Why Other Options Are Incorrect?

Option A: Creating Models for Business, Application, and Technology Architectures

Incorrect because while compliance is important, it does not address stakeholder concerns directly.

The scenario is about ensuring buy-in from top managers and employees, not just regulatory compliance.

Option C: Using Uniform Business Models Across AI Projects

Incorrect because a one-size-fits-all model does not allow for regional and functional differences within the company.

The scenario emphasizes the need to address specific concerns of top managers and different locations, which requires stakeholder-specific customization.

Option D: Creating a Communications Plan

Incorrect because communication alone does not resolve stakeholder concerns.

While communication is useful, the architecture development process should include stakeholder engagement and progressive validation, not just reporting.

Reference:

TOGAF Standard, ADM Phase A – Architecture Vision

TOGAF Standard, Stakeholder Management (ADM Guidelines and Techniques)

TOGAF Enterprise Architecture Principles – The Open Group

Question: 136

Please read this scenario prior to answering the question

You are employed as an Enterprise Architect within a clinical research and health technologies company. The company is dedicated to transforming healthcare with new ideas and advancements. The company has multiple divisions that cover different aspects of the business.

The company's Enterprise Architecture (EA) department has mature, well-developed architecture governance and development processes following the TOGAF standard. In addition to the EA program, the company has a number of management frameworks in use. The Architecture Board includes representatives from each division of the company. The Chief Information Officer (CIO) is the sponsor of the Enterprise Architecture program. The CIO has actively encouraged architecting with agility within the EA department as the preferred approach for projects.

Many of the company's rivals have begun using Artificial Intelligence (AI) in their operations, and the indications are that this will be transformative for healthcare delivery. This is something the EA department has been interested in for a while, and they had recently submitted an architecture Change Request which was approved. As a result, the CIO has approved a Request for Architecture Work to investigate the implementation of AI in the company.

Areas for evaluation include:

How can staff use AI daily in their current roles?

How can AI enhance access to care for patients, and how to make that experience seamless?

How can AI offer new workplace platforms and tools to increase efficiency?

Some of the top managers are worried about a change in the way of working, and if it will achieve the goals. Many are

not confident that the company's risk management

processes are adequate for a company-wide integration of generative AI. There are also questions from staff about whether enough specific guidelines and policies have been put in place for responsible use of AI.

Refer to the scenario

You have been assigned to the architecture development and asked how to address the concerns and manage risk for the project. How do you begin?

Based on the TOGAF standard which of the following is the best answer?

A. You recommend that an analysis of the stakeholders is carried out. This will allow the architects to define groups of stakeholders who have common concerns and include development of a Stakeholder Map.

The concerns and relevant views should then be defined for each group and recorded in the

Architecture Vision document. To mitigate risk, you include a requirement that there be progressive development of the target architecture to ensure there is regular feedback.

B. You recommend that all the stakeholders be identified, and a Communications Plan created to address the most powerful and influential stakeholders. This plan should include a report that summarizes the key features of the architecture with respect to each division and reflects the stakeholders' requirements. You will check with each key stakeholder that their concerns are being addressed. Risk mitigation should be explicitly addressed as a component of the architecture being developed.

C. You recommend creation of a simple solution concept diagram to show how the stakeholders will be impacted, and the benefits to the firm. You would also create a benefits diagram showing the various opportunities from adoption of AI-based solutions. A meeting should be held with the main stakeholders to review the diagrams.

They can then decide the priorities and sequencing decisions for the architecture development. Risk will be evaluated when defining the Architecture Roadmap.

D. You recommend that models be created for the Draft Business, Data, Application, and Technology Architectures. These can be used to minimize risk, and make sure that the system meets the local regulations for each division. Together with the problem description, and requirements, these should be included in the Architecture Vision document. A formal review should be held with the stakeholders to verify that their concerns are included in the Architecture Vision.

Answer: A

Explanation:

In this scenario you are right at the start of an ADM cycle: a Request for Architecture Work has been approved to investigate AI, and there are strong stakeholder concerns and risk questions. According to the TOGAF standard, the correct place to start is Phase A: Architecture Vision, with a strong focus on stakeholder management and capturing their concerns and required views.

Option A is the only answer that correctly reflects this:

Stakeholder analysis & Stakeholder Map (Phase A core task)

TOGAF explicitly states that in Phase A you must:

Identify stakeholders

Analyze and group them by common concerns

Use a Stakeholder Map to understand their influence, interest, and required engagement

Determine which views/viewpoints are needed to address their concerns in the architecture description

coe.qualiware.com+1

Option A says:

“analysis of the stakeholders ... define groups of stakeholders who have common concerns and include development of a Stakeholder Map. The concerns and relevant views should then be defined for each group and recorded in the Architecture Vision document.”

This is exactly how TOGAF describes stakeholder management and views in Phase A:

Stakeholder Map to classify and prioritize stakeholders

Concerns and required views captured and traced

These elements feeding into the Architecture Vision deliverable [Visual Paradigm TOGAF+1](#)

Concerns, views, and Architecture Vision

TOGAF emphasizes that architecture views are constructed to address specific stakeholder concerns; you do not just build generic models. [opengroup.org+1](#)

Option A explicitly links concerns → views → Architecture Vision, which aligns with TOGAF guidance for early phases.

Capturing this in the Architecture Vision provides a high-level, shared understanding of what the AI initiative is trying to achieve and how stakeholder issues (e.g., responsible AI, risk processes, change in way of working) will be addressed.

Risk management and “architecting with agility”

In the scenario, the CIO has encouraged architecting with agility. TOGAF is compatible with incremental and iterative development of the target architecture, especially when there is high uncertainty and risk. [conexiam.com](#)

Option A includes:

“a requirement that there be progressive development of the target architecture to ensure there is regular feedback.”

This “progressive development” and frequent feedback loop is exactly how you mitigate risk in an AI- heavy, change-sensitive initiative:

Frequent stakeholder feedback

Early validation of assumptions

Ability to adjust scope, constraints, and principles as risk and understanding evolve

This directly addresses management’s worry about the change in the way of working and whether risk management and responsible AI policies are adequate: these become explicit stakeholder concerns and requirements that are iteratively refined.

Why the other options are weaker / not TOGAF-aligned as a starting point

Option B

Focuses mainly on a Communications Plan and powerful stakeholders.

While TOGAF does expect a stakeholder communications plan, it is derived from a proper stakeholder analysis and Stakeholder Map, not a substitute for it.

It also treats risk as a “component of the architecture” rather than something to be addressed early through stakeholder concerns, principles, and iteration.

Option C

Jumps straight to a solution concept diagram and benefits diagram and defers risk evaluation to when the Architecture Roadmap is defined (Phase E).

In TOGAF, risk and stakeholder concerns must be addressed already in Phase A and refined throughout, not postponed to roadmap development.

Option D

Proposes creating draft Business, Data, Application, and Technology models and putting them into the Architecture Vision.

This is too detailed for the starting point: Phase A is about high-level vision, not full draft core architecture models (those belong in Phases B, C, D).

It also doesn't emphasize Stakeholder Mapping and grouping by concerns, which is central to resolving the worries about way of working, risk, and responsible AI.

In summary, Option A is the best and TOGAF-consistent way to begin:

Start in Phase A: Architecture Vision

Perform stakeholder analysis and create a Stakeholder Map

Define stakeholder concerns and relevant views

Record them in the Architecture Vision

Add an explicit requirement for progressive (iterative) development of the target architecture for continuous feedback and risk mitigation

Question: 137

Please read this scenario prior to answering the question

You are employed as an Enterprise Architect at a leading global technology enterprise specializing in digital

infrastructure, cloud computing, and data-centric innovation. The company provides a vast ecosystem of platforms that serve billions of users across the globe. These platforms span online marketplaces, advanced advertising networks, AI-driven services, productivity tools, and digital entertainment experiences.

The senior leadership within the company is worried about the company's ability to address all the opportunities around

artificial intelligence (AI). They feel that the business is at risk of falling behind its competitors, and that significant changes are necessary for the business to remain competitive. Most senior leaders feel that the operations need to be more efficient, and the organization needs to change to achieve its future goals.

The company has an established Enterprise Architecture (EA) program based on the TOGAF standard, sponsored jointly by the Chief Information Officer (CIO) and senior executives. In your role as an Enterprise Architect within the EA team, you work closely with the business stakeholders in the company as well as the sponsors.

The CEO has decided that reorganizing its subsidiaries around artificial intelligence and machine learning will improve the way the company creates and delivers value. The sponsors have approved a project for the reorganization which is being led by the

EA team.

The EA team have developed a strategic architecture which has been approved by the sponsors. It includes an Architecture Vision, and high-level definitions of the domain architectures. This sets out a plan over a multi-year period and covers three distinct transformations to implement the reorganization.

The sponsors have read reports that the majority of transformation projects dealing with digital and artificial intelligence are failing. They have made it clear that prior to the approval of the detailed Implementation and Migration plan, the EA team needs to address the risks associated with the reorganization. They want assurance that the reorganization will succeed and deliver the promised increases in value for the business.

Refer to the scenario

The EA team leader has asked how you would address the request from the sponsors.

Based on the TOGAF standard, which of the following is the best answer?

A. Before preparing the detailed Implementation and Migration plan, you would review and consolidate the gap analysis results from Phases B to D. This enables you to evaluate the implications related to potential solutions and interdependencies. It is used to identify the transformations required to achieve the proposed Target Architecture. You then assess the readiness of the

organization to undergo change and determine an overall direction to reach that Target Architecture while addressing the risks identified. The Transition Architectures should be planned using a state evolution table.

B. You would apply an analysis and assessment to evaluate the potential risks with the proposed new architecture. This includes the development of a matrix showing the organizational requirements. The degree of change should then be aligned with the corporate operating model to ensure risks are mitigated and minimized. The risk mitigations can then be included within each of the target Transition Architectures.

You would then finalize the Architecture Roadmap and the Implementation and Migration Plan.

C. You would assess how ready the organization is to change. This includes identification and classification of the risks associated with the transformations, together with an approach to mitigate the risks. This includes identifying dependencies between the set of changes, including gaps and work packages.

It also identifies improvement actions to be worked into the Implementation and Migration Plan. The business value, effort, and risk associated for each transformation should then be identified and documented.

D. You would bring together information about potential approaches and produce several alternative target transition architectures. You would then investigate the different architecture alternatives and discuss these with stakeholders using the Architecture Alternatives and Trade-offs technique. Once the target architecture has been selected, it should be analyzed using a state evolution table to determine the Transition Architectures. A value realization process

should then be established to ensure that the concerns raised are addressed.

Answer: C

Explanation:

In this scenario, the strategic architecture is already complete and approved, and the sponsors now want assurance about risks before approving the detailed Implementation & Migration Plan.

According to TOGAF, this work occurs in Phase E: Opportunities & Solutions and Phase F: Implementation & Migration, where a key activity is performing Business Transformation Readiness Assessment and Risk Assessment before finalizing the roadmap and migration plan.

Option C aligns exactly with TOGAF guidance for this stage:

Why Option C is correct

1. It starts with assessing organizational readiness for change

TOGAF Phase E requires evaluation of Business Transformation Readiness, addressing:

Organizational capability

Cultural readiness

Skills and capacity

Sponsorship and governance

This is exactly what Option C describes:

“assess how ready the organization is to change.”

This directly responds to the concern in the scenario that “most senior leaders feel the operations need to be more efficient” and that “significant changes are necessary.”

2. It includes identification and classification of risks

TOGAF requires performing a Risk Assessment before migration planning, ensuring risks are categorized, documented, and mitigation strategies defined.

Option C includes:

“identification and classification of the risks ... together with an approach to mitigate the risks.”

This is precisely what the sponsors requested: clear management of risks before approving migration planning.

3. It ties risk, dependencies, and gaps directly into the Implementation & Migration Plan

TOGAF requires identifying:

Dependencies between work packages

Gaps between baseline and target

Required actions to improve readiness

Work package sequencing

Option C states:

“identifying dependencies between the set of changes, including gaps and work packages... identifying improvement actions to be worked into the Implementation and Migration Plan.”

This matches TOGAF Phase E and F activities exactly.

4. It evaluates business value, effort, and risk for each transformation

The scenario involves three distinct transformations, and sponsors want assurance of value delivery.

TOGAF Phase F includes Consolidated Gaps, Solutions, and Dependencies and migration prioritization based on value, cost, and risk.

Option C states:

“The business value, effort, and risk associated for each transformation should then be identified and documented.”

This is directly aligned to the TOGAF-required migration prioritization criteria.

Why the other options are incorrect

A – Focuses on gap analysis only

Gap analysis was performed during Phases B–D, and while relevant, Option A does not emphasize risk, readiness, or assurance—key concerns of the scenario.

B – Misrepresents TOGAF (organizational requirements matrix is not a formal TOGAF artifact) Also, it incorrectly focuses on aligning change with the operating model, which TOGAF does not prescribe as the primary risk-mitigation activity.

D – Focuses on architectural alternatives; the target architecture is already approved

The scenario states the strategic architecture is complete and approved—there is no need to revisit alternatives. This is misaligned with the starting point of the question.

Conclusion

Option C is the only answer that conducts:

Business transformation readiness assessment

Risk identification and mitigation

Dependencies, gaps, and work package analysis

Integration of risks and improvement actions into migration planning

This matches precisely what TOGAF expects at this stage and what the sponsors requested.

Question: 138

Please read this scenario prior to answering the question

You are employed as an Enterprise Architect working within the Enterprise Architecture (EA) team at an electric vehicle manufacturer. The company focuses on designing, manufacturing, and advancing battery technology for sustainable transportation, while also investing in charging infrastructure, autonomous driving systems, and renewable energy integration.

The company is introducing a major change to its vehicle design over a five-year period. This will be a cross-functional effort between hardware and software teams, delivering significant new features in the vehicles they manufacture. It is planned to be developed in phases. An architecture to support strategy has been completed with a roadmap for a set of projects.

The EA team has taken over the architecture for the hardware and software

automotive platform used by current vehicles, some of which will be used again in the new vehicle design. The EA team has started to pick which parts of the architecture to use again.

The presentation and access to different variations of data that the company plans to offer through its vehicles creates a design challenge. The application portfolio and supporting infrastructure must connect with multiple cloud services and

data repositories in different countries to be able to handle the data at a large scale.

Enough of the Business Architecture has been defined, so that work can commence on the Information Systems and Technology Architectures. Those architectures need to be defined to support the primary business services that the company plans to provide. These services will handle and use the data created by vehicles, preparing the way for self-driving vehicles in the future.

The company uses the TOGAF standard as the basis for its Enterprise Architecture framework. The EA team reports to the Chief Technical Officer (CTO), who is the sponsor of the EA program. The CTO requires that the EA team follow the purposebased EA Capability model as described in the TOGAF Series Guide: A Practitioners' Approach to Developing Enterprise Architecture Following the TOGAF® ADM.

Refer to the scenario

How would you plan, organize, and manage the architecture development at this stage?

Based on the TOGAF standard which of the following is the best answer?

A. The superior architecture should be used to guide the approach. Review the identified projects, dependencies, and potential overlaps, then decide the order for starting the projects. Develop high-level architecture descriptions. For each project determine how much work is needed, identify reference architectures, and candidate building blocks. Identify the resource needs, considering cost and value. Document the different options, risks, and ways to control them to enable feasibility analysis and trade-off with the stakeholders.

B. Start an iteration of ADM Phase A, perform a Stakeholder Analysis, identifying the key stakeholders and revising the Architecture Vision. Update the Stakeholder map created for the strategic architecture,

so it reflects the stakeholders who are now the most important for the projects that are to be developed. Hold a formal review with the CTO, who should decide which projects to include in the Architecture Roadmap and update the Implementation and Migration Plan to reflect the decisions.

C. Follow a standard pattern for cloud solutions that manage complex data, and which fits with the architecture to support strategy. Develop high-level Target Data, Application and Technology Architectures. Review the Architecture Vision to determine the level of detail, time, and scope of the ADM cycle phases required for architecture development for the project. Identify and estimate the cost of the main work packages. Create an Architecture Roadmap and request the Architecture Board to approve the roadmap. Start the project.

D. Architecture descriptions for the Application, Data, and Technology Architectures should be developed at a suitable level to address the problems, and to identify the different options. For each project this includes identification of candidate architecture and solution building blocks. Solution providers should be identified, a readiness assessment performed, and an assessment of the viability and fitness of the solution options. The results should be added to the draft Implementation and Migration plan.

Answer: A

Explanation:

The scenario states that:

A strategic architecture and roadmap already exist.

Business Architecture is complete, so the work now shifts to Information Systems and Technology Architectures (ADM Phases B–D).

The CTO requires use of the purpose-based EA Capability model (from the TOGAF Series Guide: A Practitioner's Approach to Developing Enterprise Architecture Following the TOGAF ADM).

The EA team has to plan, organize, and manage the next stage of architecture development, including re-use of existing hardware/software platform components, candidate solutions, feasibility, risks, and prioritization.

Under the purpose-based EA approach, when moving from strategy into defining the next layers of architecture,

TOGAF emphasizes:

Using the superior (already-approved) architecture to guide the next ADM cycles – This corresponds to the strategic architecture that is already completed.

Analyzing project dependencies, overlaps, and sequencing

Defining high-level architecture descriptions for the next iteration

Identifying reference architectures and candidate building blocks (especially when reusing existing platform components)

Assessing feasibility, value, cost, and risk for each project

Preparing for stakeholder trade-offs before formalizing the roadmap

These tasks map directly to Option A.

Why Option A is correct

Option A includes exactly what the purpose-based EA approach prescribes at this stage:

“The superior architecture should be used to guide the approach.”

✓ Correct — strategic architecture guides the work.

“Review the identified projects, dependencies, and potential overlaps, then decide the order...”

✓ Correct — sequencing and dependency assessment are core early tasks in Phases B–D planning.

“Develop high-level architecture descriptions.”

✓ Correct — Business Architecture is done; now high-level IS/Tech Architecture descriptions are needed.

“Identify reference architectures and candidate building blocks.”

✓ Correct — aligns with TOGAF building-block approach, and specifically fits the scenario where existing platform components will be reused.

“Identify resource needs, considering cost and value.”

✓ Correct — mandatory for feasibility and planning.

“Document options, risks, and ways to control them to enable feasibility analysis and trade-off with stakeholders.”

✓ Correct — this matches ADM guidelines for preparing options and addressing complexity before deeper development.

This is precisely how TOGAF expects the architecture team to plan, organize, and manage an ADM cycle after strategy is set.

Question: 139

Please read this scenario prior to answering the question

You are employed as an Enterprise Architect at a technology company, reporting directly to the Chief Enterprise Architect. The company supplies personnel and delivers cloud-based solutions to numerous government agencies.

The nature of the business is such that the data and the information stored on the company systems is the company's major asset and is highly confidential. The company employees work remotely and need constant access to the company systems, which is done by the public infrastructure. They use message encryption, secure internet connections using Virtual Private Networks (VPNs), and other standard security measures. The company provides computer security awareness training for all its staff.

The Chief Security Officer (CSO) has noted an increase in distributed denial of service (DDoS) attacks on companies with a similar profile. The CSO understands that even with thorough preparation, a major attack could stop employees from being able to do their jobs. This could lead to a large financial loss, damage to the company's reputation with customers, and employees being unable to work.

A risk assessment has been completed and the company has looked for cyber insurance that covers such attacks. The price for this insurance is very high. The CTO has decided not to get cyber insurance to cover such attacks.

The company follows the TOGAF standard as the method and guiding framework for its Enterprise Architecture (EA) practice. The Chief Technology Officer (CTO) is the sponsor of the activity. The practice uses an iterative approach for its architecture development. This has enabled the decision makers to gain valuable insights into the different aspects of the business

Please read this scenario prior to answering the question

You have been asked to describe the steps you would take to strengthen the current architecture to improve data protection.

Based on the TOGAF standard which of the following is the best answer?

A. You would request technology updates from existing suppliers that improve the company's capabilities to detect, react, and recover from an incident. You would run a simulated ransomware attack to evaluate the current Enterprise Architecture's resilience and recovery capabilities. Using the findings, you would perform a gap

analysis of the current Enterprise Architecture, and prepare change requests to address identified gaps. You would document the changes implemented and add to the Architecture Repository.

B. You would run a planning exercise to assess the business continuity requirements and analyze the current Enterprise Architecture for gaps. You create a formal change request related to business resilience and

maintaining critical business functions. You would arrange a meeting of the Architecture Board to assess and

approve the change request. Once approved you would create a new Request for Architecture Work to begin an ADM cycle to implement the changes.

C. You would ensure that business value and cost of continuity measures are understood by key

stakeholders, and that the company has in place up-to-date processes for managing change to the current Enterprise

Architecture. You recommend that DDoS mitigation be addressed at the infrastructure level to

ensure effective, scalable protection. Changes should be made to the baseline description of the Technology Architecture.

The changes should be approved by the Architecture Board and implemented by change management techniques.

D. You would hold an Architecture Compliance Review with the scope to examine the company's ability to respond to such attacks. You would identify the departments involved and have them nominate representatives. You would then tailor checklists to address the requirement for increased business continuity and resilience. You would circulate the checklists to the nominated representatives for them to complete. You would review the completed checklists, identifying and resolving issues. You would then determine and present your recommendations to the Architecture Board.

Answer: B

Explanation:

In this scenario, the CTO has not purchased cyber-insurance, the CSO is concerned about increased DDoS risk, and YOU (the EA) are asked “to describe the steps you would take to strengthen the current architecture to improve data protection.”

Because the company follows the TOGAF standard and uses an iterative ADM cycle, the correct response must:

Start with the risk/continuity concern

Use the formal TOGAF change management process

Lead to a Request for Architecture Work

Initiate a new ADM cycle to update the architecture properly

Ensure Architecture Board governance

Option B is the only answer that matches TOGAF's required process.

– Why Option B is correct (TOGAF-aligned)

Option B follows TOGAF's Architecture Change Management (Phase H) process:

Assess the business continuity requirements

- Correct: Phase H requires evaluating change triggers such as new risks, threats, or incidents.
- DDoS risk → business continuity concern → legitimate architecture change trigger.

Analyze the current architecture for gaps

- Correct: TOGAF Phase H requires assessing whether the current baseline architecture can support required resilience.

Create a formal Change Request

- Exactly correct: Phase H outputs Architecture Change Requests (ACRs) for significant changes.
- ACR includes description, rationale, and impact (in this case: resilience, continuity, and data protection).

Architecture Board reviews/approves the change request

- Correct: All major architecture changes must go through Architecture Governance.

Create a new Request for Architecture Work (RFAW)

- Required when the change is significant and needs a new ADM cycle.
- Strengthening data protection and business continuity DEFINITELY qualifies as a major change.

Begin a new ADM cycle to implement the changes

- Perfectly aligned with TOGAF's iterative approach:

Business continuity → update Technology Architecture → updated security patterns → updated Target Architecture.

This is exactly the TOGAF-prescribed method to strengthen an architecture when significant new risks appear.

Therefore, Option B is the correct and TOGAF-compliant answer.

X Why the other options are incorrect

A – Not TOGAF-aligned

Starts with vendors and simulations (not TOGAF-first steps).

No mention of Architecture Board or Change Management.

No Request for Architecture Work.

Gap analysis alone is not the first step for significant architectural risk.

C – Too narrow and skips TOGAF governance

Jumps straight to modifying the Technology Architecture baseline.

No Change Request, no RFAW, no ADM cycle initiation.

Recommends a solution (“DDoS mitigation at infrastructure level”) before architectural assessment.

D – Misuses Architecture Compliance Review

Architecture Compliance Reviews check conformity to an existing architecture—not evaluate new risks or design resilience enhancements.

A compliance review is not the correct first step for addressing new threats.

Question: 140

Please read this scenario prior to answering the question

You are employed as an Enterprise Architect within a multinational company. The company has been very successful and has been buying companies around the world. This has led to a growing number of manufacturing divisions in various locations with a complex supply chain.

The top management recently expressed concerns about the company's effectiveness because of its multiple data centers and duplicate applications. The EA team has been working on a project to solve this issue. An analysis shows that supply chain issues have led to not enough products being produced to meet all the customer demand.

A strategic architecture has been defined to help meet customer demand and manage the supply chain more effectively. The strategic architecture involves combining different Enterprise Resource Planning (ERP) applications that are currently used separately in the company's production sites.

Each division has finished the Architecture Definition documentation to address their own specific manufacturing needs.

The Enterprise Architects have agreed an overall strategy for the migration. They have defined a set of work packages that address the gaps found. They have defined the intermediate architectural states between the Baseline and Target architecture to add a new ERP environment into the company.

Because of the risks posed by this change from the current environment, the architects have recommended that a phased approach should be taken to implement the target architecture with several stages of change. They have created a draft roadmap with the implementation process estimated to take over two years.

The company has an established Enterprise Architecture (EA) practice and follows the TOGAF Architecture Development Method. The company also uses various management frameworks such as business planning, project/portfolio management, and operations management. The EA program is sponsored by the Chief Information Officer (CIO). In your role as an Enterprise Architect within the EA team, you work closely with the important stakeholders from the various divisions within the company.

Refer to the scenario

You have been assigned to plan the next steps for the migration. Which approach will you choose?

Based on the TOGAF standard which of the following is the best answer?

A. You finalize the Architecture Definition documentation with updates to reflect the implementation approach. You ensure that Implementation and Migration Plan is consistent with the chosen approach. You identify the resources needed to undertake the development projects. You would then produce an Implementation Governance Model to manage the lessons learned before finishing the plan. You ensure that the lessons learned are applied to the Implementation and Migration Plan.

B. You estimate the business value for each project by applying the Business Value Assessment Technique to prioritize the migration projects and project steps. The assessment should focus on return on investment and criteria for evaluating performance to track the progress of the architecture transformation. You would confirm and plan a series of Transition Architecture phases using a table of Architecture Definition Increments that lists the projects. You then update the Implementation and Migration Plan.

C. You will focus on project selection. You make sure that the Implementation and Migration plan aligns with the other management frameworks in use in the company. Next, you assign a value to each work package, taking into account the resources available and how they fit into the overall strategy. Using

these work packages, you estimate resource requirements and timings. You then select which projects will be included in the Implementation and Migration Plan.

D. You conduct a series of Compliance Assessments to check that the architecture is being implemented as required by the contract. This is done now to confirm that the implementation team is following the correct development process, and if not, so course correction is viable. This involves using monitoring tools and making sure that performance targets are being achieved. If the targets are not met, you would then need to make adjustments to the performance requirements and update them in the Implementation and Migration Plan.

Answer: B

Explanation:

At this stage in the scenario:

A strategic architecture has been completed.

All divisions have completed their Architecture Definition Documents.

Work packages have been defined.

Transition Architectures between Baseline and Target are already identified.

A draft roadmap exists for a multi-year phased migration.

You are now asked to plan the next steps for the migration, which aligns exactly with TOGAF ADM Phase F: Implementation and Migration Planning.

In Phase F, TOGAF prescribes the following key activities:

Evaluate and prioritize projects and work packages

Determine business value, cost, risk, dependencies

Confirm Transition Architectures and sequencing

Update and finalize the Implementation & Migration Plan

Option B is the ONLY answer that correctly follows these required TOGAF steps.

✓ Why Option B is correct

Option B states:

“Estimate the business value for each project by applying the Business Value Assessment Technique ... to prioritize the migration projects.”

✓ This is a TOGAF-recommended technique specifically for Phase F to evaluate and prioritize transformations using value, risk, and ROI.

“Confirm and plan a series of Transition Architecture phases ... using a table of Architecture Definition Increments.”

✓ Exactly aligned with TOGAF:

Transition Architectures were identified earlier.

In Phase F, they must be confirmed, sequenced, and documented.

“Update the Implementation and Migration Plan.”

✓ This is the required output of ADM Phase F.

✓ At this point, the plan must be validated and finalized based on value and prioritization.

Thus, Option B directly matches TOGAF’s prescribed migration planning process.

X Why the other options are incorrect

A – Incorrect

Suggests finalizing Architecture Definition documentation—this was already completed by each division.

Introduces an “Implementation Governance Model,” which is not a TOGAF artifact at this stage.

Focuses on lessons learned BEFORE execution, which is not appropriate for migration planning.

C – Incorrect

Focuses only on project selection and resource assignment.

Does not use TOGAF techniques for value/risk evaluation.

Does not reference Transition Architectures, which are central in the scenario.

Oversimplifies Implementation & Migration Planning to resource scheduling.

D – Incorrect

Compliance Assessments occur DURING execution, not before migration planning.

At this stage, no implementation has started, so compliance reviews are premature.

Adjusting performance requirements now has no alignment with TOGAF’s ADM sequence.

Question: 141

Please read this scenario prior to answering the question

You are employed as an Enterprise Architect in a team at a large company. The company sells luxury food and drinks in more than 10,000 stores worldwide. The company is a leader in using technology to connect with its customers. This includes online ordering, mobile apps, and rewards programs. The company is also famous for bringing new ideas to the market, like ordering through apps, using AI to suggest personalized options, self-service pickup stations, and changing prices based on demand.

The stores are open every day. They send timely sales data to a central system that manages inventory. This system can predict what products are needed, adjust how much stock there is, and order more stock automatically. The stores and the main inventory system work directly with the mobile apps, allowing orders to be made online. The central inventory system is located at the company's main data center.

The company will merge with a major competitor. This competitor has a synergistic business. Leaders from both companies have told shareholders that the merger will happen fast. There will be minimal impact for customers. All stores will keep the current brand names. They will combine their systems, choosing the best ones to use. This means their store management and back-office systems will become one. They will stop using duplicate systems and use one main system to manage the stores.

They will also cut down on the number of back-office applications they use.

The Request for Architecture Work to oversee the merger has been approved. Stakeholders, concerns, and business requirements have been identified. The stakeholders have made it clear that they expect to continue to be able to innovate quickly, and that changes should not restrict that capability. The scope of what is inside and what is outside the architecture efforts has been confirmed. The next step is to revisit and review the Architecture Principles, as they form part of the constraints on architecture work.

Business Continuity is essential given that the business depends on real-time ordering and automated inventory management. During the systems integration, maintaining service for customers and inventory operations must be prioritized

Refer to the scenario

You have been asked to identify the most relevant Architecture Principles for the merger besides Business Continuity.

Based on the TOGAF standard, which of the following is the best answer?

[Note: You should assume that the company follows the example set of Architecture Principles provided in the TOGAF standard, ADM Techniques, Architecture Principles chapter.]

A. Control Technical Diversity will help by standardizing technology platforms as part of the integration process. This will be vital for standardizing the app integration for digital orders with the back-office systems, and will reduce complexity and costs during integration. Data Trustee will establish owners to manage the shared data across the company, thereby assuring data quality. Ease-of-Use is needed to make sure that new user interfaces for the apps continue to be easy to use.

B. Primacy of Principles will make sure that the same principles apply to both organizations of the newly merged operation, creating consistency across locations. Data as an Asset is critical. Since you're maintaining separate mobile apps but consolidating back-end systems, treating data as an asset becomes essential. This principle helps ensure that customer data, and inventory information from both brands are properly integrated and managed. Technology Independence is important when consolidating the back-office applications and order processing systems.

C. Compliance with the Law makes sure that all company activities comply with relevant laws and regulations.

This principle provides the foundation for ensuring the merger meets all legal requirements. Requirements-

Based Change will make sure that when combining systems, changes to applications and technology are only made if required by business needs. Responsive Change Management focuses on the speed needed to achieve the goals set by the leaders for a quick merger. We are committed to quickly blending the companies as planned.

D. Service orientation will speed up the merger and make it easier to integrate

systems while maintaining business operations. Maximize Benefit to the Enterprise will make sure that merger decisions prioritize the overall benefit to the combined company. Common Use Applications across the merged company is preferred over the use of similar or duplicative applications for certain parts of the company. This help supports the goal of merging backoffice systems to reduce duplication.

Answer: D

Explanation:

You are asked to identify the most relevant Architecture Principles, besides Business Continuity, that apply to a rapid merger, where:

Back-office and store management systems will be consolidated

Duplicate applications will be eliminated

Innovation must remain fast

Customer experience must remain uninterrupted

Combined enterprise value is the priority

TOGAF's example Architecture Principles include four main categories:

Business Principles

Data Principles

Application Principles

Technology Principles

Option D contains the principles that best support the specific needs of the merger as described.

E. Why Option D is correct

1. Service Orientation (Business Principle)

This principle states that architecture should be organized around services, enabling flexibility, loose coupling, and ease of integration.

For the merger:

Integrating two companies' store systems, mobile apps, and inventory platforms requires modular, interoperable services.

Service orientation directly supports the requirement that innovation must not slow down.

It allows systems to be merged with minimal disruption.

This principle supports fast integration + ongoing innovation — exactly what stakeholders demand.

2. Maximize Benefit to the Enterprise (Business Principle)

This principle ensures decisions are made from an enterprise-wide (not departmental or local) perspective.

In the scenario:

Two companies are merging.

Decisions must prioritize combined enterprise value, not local optimizations by either company.

System consolidation and elimination of duplicates requires an enterprise-first mindset.

This principle aligns perfectly with a merger that aims to unify operations and reduce redundancy.

3. Common Use Applications (Application Principle)

This is one of the MOST relevant principles in any merger.

TOGAF defines this principle as:

“Applications should be shared across the enterprise and not duplicated.”

In the scenario:

Back-office systems and store management tools must be consolidated.

Duplicate applications are explicitly to be reduced.

One main system will be used across stores.

This principle directly matches the merger's objectives.

✓ Summary

Option D contains the three principles that best support:

A major merger

System consolidation

Reduction of duplication

Enterprise-wide benefit

Flexible, service-oriented integration

Continued innovation

Therefore, Option D is the most appropriate selection according to TOGAF's example Architecture Principles.

Question: 142

Please read this scenario prior to answering the question

You are employed as an Enterprise Architect working at a vehicle manufacturing company. The company

specializes in buses and coaches. You are part of an Enterprise Architecture (EA) team that has responsibilities across multiple divisions of the company. EA provides the company with a comprehensive framework to develop and manage their manufacturing infrastructure, processes for component production, and design and testing systems.

The company has a corporate strategy that focuses on switching to electric power for its vehicles. It has invested heavily in a new standardized design, production efforts, and major components to use across all its product range. The company has multiple manufacturing plants in North America, Europe, and in Asia.

Customer demand has caused a backlog of orders because many customers want to have more environmentally friendly public transportation. There are not enough electronic components available, which is making it hard to produce products and meet customer demand. To address this issue, the company has started making the battery packs themselves and has hired new suppliers.

The EA team is working on a project to improve the process and systems to design, produce, and test the battery pack. As part of putting the new battery pack into production, changes to the assembly processes need to be made. A trial has been completed at a single location. The Chief Engineer, sponsor of the project, and the Architecture Board have approved the plan to roll out these changes to all plants.

Preliminary Architecture Contracts are being developed to detail the work needed to put in place the new processes for each location. The EA team leader has called a meeting to discuss the contracts. It is emphasized that the Architecture Contract will serve as the key connection between architecture and implementation organizations. The company mixes internal teams with a few third-party contractors at the locations. The Chief Engineer is worried that the implementation and deployment will not be consistent and of satisfactory quality.

The company has an established EA practice. It uses the TOGAF standard as the foundation for its work including the internal EA framework. Additionally, the company uses various management frameworks such as business planning, project management, and operations management.

Refer to the scenario

The EA team leader asks you how you would address the Chief Engineer's concern.

Based on the TOGAF standard, which of the following is the best answer?

A. The contracts must be checked to ensure they have flexibility. For changes undertaken by internal teams, a memorandum of understanding between the Architecture Board and the implementation organization is needed. If a contract is issued to a contractor, it must be a fully enforceable legal contract. If a deviation from the Architecture Contract is found, the Architecture Board must grant a dispensation to allow the implementation organization to customize the process to meet their local needs.

B. The contracts must be checked to ensure they can be used to direct and control the implementation teams. For contracts issued to third-party contractors, they must be enforceable legal contracts. For internal development teams, a memorandum of understanding with the Architecture Board is needed. The Architecture Board must review all deviations from the Architecture Contract and decide whether to grant a dispensation to allow the implementation organization to customize the process to meet their local needs.

C. The contracts must specify goals, measures, acceptance terms, and risks. Third-party contracts must be legally enforceable. It is advisable to establish a schedule of compliance reviews at key points in the implementation process. The Architecture Board must review all deviations from the Architecture Contract and consider whether to grant a dispensation to allow the process to be customized for local needs. Ensure that all dispensations are time-bound rather than indefinite.

D. The contracts must be used to manage the architecture governance processes across the locations. Monitoring tools must be put in place to assess the performance of each completed battery pack at each location. If a deviation from the contract is needed, the Architecture Board should allow the Architecture Contract to be modified for the location. In such cases they should issue a new Request for Architecture Work to implement a modification to the Architecture Definition.

Answer: C

Explanation:

The Chief Engineer is concerned that implementation across multiple plants and mixed teams (internal + contractors) may be inconsistent and of poor quality.

The question asks: How should Architecture Contracts be used to address this concern according to the TOGAF standard?

TOGAF states that an Architecture Contract must:

Define obligations of both architecture and implementation organizations

Specify metrics, measures, acceptance criteria, and success factors

Identify risks and mitigation

Support Architecture Governance through compliance reviews

Apply to BOTH internal teams and external suppliers (external contracts must be legally enforceable)

Option C is the only one that correctly reflects these TOGAF requirements.

E. Why Option C is correct

1. Architecture Contracts must specify goals, measures, acceptance terms, and risks

TOGAF explicitly states that Architecture Contracts should include:

Statement of Architecture Work

Performance metrics and measures

Acceptance criteria

Risks and issues

Compliance and conformance requirements

Option C includes all of these.

2. Third-party contracts must be legally enforceable

True — TOGAF states that when external suppliers are involved, Architecture Contracts often take the form of legally binding contracts.

Option C:

“Third-party contracts must be legally enforceable.”

Correct.

3. Compliance reviews must be scheduled

TOGAF’s Architecture Governance Framework prescribes scheduled Architecture Compliance Reviews to ensure that implementation conforms to the Architecture Contract.

Option C:

“establish a schedule of compliance reviews at key points”

Correct — this directly addresses the Chief Engineer’s concern about consistency and quality.

4. Deviations must be reviewed by the Architecture Board and any dispensations should be timebound

TOGAF allows dispensations but requires:

Formal review

Approval by the Architecture Board

Time-bound accommodations rather than permanent exceptions

Option C includes exactly this guidance.

Question: 143

Please read this scenario prior to answering the question

You are employed as an Enterprise Architect at a company. The company manages large-scale farming operations with food production, processing, and distribution. The goal of the company is to maximize profit while satisfying the needs of consumers for its products. Its customers demand food that is produced sustainably, safely, and transparently, while reducing environmental impact.

The business is highly mechanized, and this mechanization has brought about a decrease in the number of workers needed, together with a focus on agricultural engineering to improve the efficiency of its farms, its processing facilities, and the overall enterprise. As part of this, the company has established an Enterprise

Architecture (EA) practice based on the TOGAF standard, using it as the method and guiding framework. The Chief

Information Officer (CIO) is the sponsor of EA practice. The practice has adopted an iterative approach for its architecture

development. This has enabled the decision makers to have valuable insights into the different aspects of the business.

In recent years there have been a series of bad harvests, and a major reduction in yields of the main crop produced by the company. This combined with an increase in costs for energy, feed, fuel, and fertilizer, had led to a significant decrease in profits. The rising costs and lower profits mean that the company is unable to take as much planned action on climate measures as it would like, such as reducing its carbon footprint. The Chief Executive Officer (CEO) has stated that big changes are needed to improve yields and profitability.

The outline strategy for change, includes new products, and new markets. The company will switch to a mix of crops rather than depend on a main crop and will allow use of its processing facilities by third parties. This is a major decision, and the CEO has stated a desire to repurpose and reuse rather than replace so as to manage the risks and limit the costs.

The CIO has assigned the EA team to manage this project. The CIO has stated that although the overall objective is known, the EA team are expected to define the scope, a shared vision, and the requirements.

Refer to the scenario

You have been asked to recommend the best approach for architecture development to realize the CEO's change in direction for the company.

Based on the TOGAF standard which of the following is the best answer?

A. The team should start on architecture definition and operate multiple ADM

phases concurrently to support this change in direction. Once understood, the team will identify the requirements, drivers, issues, and constraints for the change. You would include non-functional requirements

in the architecture development to make sure that the target architecture meets its compliance and regulatory requirements.

B. The team first needs to understand the problem and define the structure of the change. It should start iteration cycles on a baseline first approach to architecture development, and then transition planning. This will identify the change needed to transition from the baseline to the target and can be used to work out in detail what the agreed vision is for the change.

C. The team should start its iteration cycles of architecture development by going through the architecture definition phases (B-D) with a baseline first approach. This will support the change in direction as stated by the CEO. It will ensure that the change can be defined in a structured manner and address the requirements needed to realize the change.

D. The team should start by defining the baseline Technology Architecture in order to assess the current infrastructure capacity and capability for the company.

Then the focus should be on transition planning and incremental architecture deployment. This will identify requirements to ensure that the projects are sequenced in an optimal way to realize the change.

Answer: B

Explanation:

The scenario clearly states that:

The overall objective is known,

BUT the EA team is expected to define the scope, shared vision, and requirements,

The company uses an iterative approach,

The CEO wants repurpose and reuse rather than replace,

This is a major strategic shift (new markets, new products, new crop mix).

According to the TOGAF standard, when the problem must be understood, and scope, vision, and requirements are not yet defined, the correct starting point is Phase A: Architecture Vision, using an iteration cycle.

This is also consistent with the “baseline-first” approach recommended in the TOGAF Series Guides for situations where:

the business direction is known but high-level,

detailed impacts must be discovered,

and the organization wants to reuse existing capabilities rather than replace them.

Option B is the only answer that:

Begins by understanding the problem,

Defines the structure of the change,

Uses iteration cycles starting with a baseline-first approach,

Leads into transition planning,

Supports clarification of the shared vision and requirements,

Fits the CIO’s instruction to “define the scope, shared vision, and requirements.”

This matches exactly what TOGAF prescribes in early-cycle Architecture Vision and initial iterations.

Question: 144

Please read this scenario prior to answering the question

You are employed as an Enterprise Architect consultant within a manufacturing company. The company has multiple business units located worldwide, including retail, manufacturing, pharmaceuticals, and technology.

The company has a mature Enterprise Architecture (EA) practice and uses the TOGAF standard for its architecture development method. The EA practice is engaged throughout all the business units, with governance provided by multiple Architecture Boards with responsibility for a business line. In addition to the EA program, the company uses a number of management frameworks, including business planning, project/portfolio management, and operations management. The EA program is sponsored by the Chief Information Officer (CIO).

After a recent study, senior management are concerned about the impact of the company's multiple data centers and duplication of applications on the business efficiency. To address the concern, a strategic architecture has been defined; it will help improve the ability to meet customer demand and improve the efficiency of operations. The strategic

architecture involves the consolidation of multiple applications programs that are currently used in different business units and putting them all onto a cloud-based solution instead.

Each business unit has completed the Architecture Definition documentation to meet its own specific operational requirements. The Enterprise Architects have analyzed the corporate changes and implementation constraints. A consolidated gap analysis has been completed. Based on its results, the architects have reviewed the requirements, dependencies and interoperability requirements needed to integrate the cloud-based solution. The architects have completed the Business Transformation Readiness Assessment. Based on all these factors they have produced a risk assessment. They have also completed the draft Implementation and Migration Plan, the draft Architecture Roadmap, and the Capability Assessment deliverables.

Due to the risks of changing from the current environment, the decision has been taken that a gradual approach is needed to implement the target architectures. It will likely take a few years to complete the whole implementation process.

Refer to the scenario

You have been asked to decide on the next steps for the migration planning.

Based on the TOGAF standard which of the following is the best answer?

A. You update the Architecture Definition Document, which includes setting project objectives and documenting the final requirements. This will ensure that the architecture remains relevant and responsive to the needs of the enterprise.

You then produce an Implementation Governance Model to

manage the lessons learned prior to finalizing the Implementation and Migration plan. You recommend that lessons learned be quickly applied as changes to the architecture.

B. You estimate the business value for each project by applying the Business Value Assessment Technique. The assessment should focus on return on investment and performance evaluation criteria used to monitor the progress of the architecture transformation. You confirm and plan a series

of Transition Architecture phases using an Architecture Definition Increments Table. You then document the lessons learned and generate the final Implementation and Migration Plan.

C. You need to determine how the Implementation and Migration plan fits with the other frameworks

being used in the organization. You coordinate the planning with the business planning, project/portfolio management and operations management frameworks. You assign a business value to each project, considering the available resources and how well they align with the strategy. You then update the architecture roadmap and the Implementation and Migration Plan.

D. You conduct a Compliance Assessment to ensure that the architecture is being implemented according to the contract. The Compliance Assessment verifies that the implementation team is using the proper development methodology. It should also include deployment of monitoring tools. If the monitoring tools show that performance targets are not being met, then the performance requirements should be changed and the Implementation and Migration Plan updated.

Answer: C

Explanation:

Option C aligns best with TOGAF Phase F: Migration Planning, which deals with developing a detailed Implementation and Migration Plan, ensuring alignment with other enterprise frameworks, and assigning business value to work packages and projects.

TOGAF Phase F Activities (from the standard):

Confirm Management Framework Interactions:

Per TOGAF, Phase F ensures that the migration planning is aligned with the business planning, portfolio/project management, and operations management frameworks used by the enterprise (which are mentioned in the scenario).

TOGAF emphasizes coordination between EA and other enterprise governance processes.

Prioritize Projects:

TOGAF recommends using business value, resource availability, and strategic alignment to prioritize the various work packages and projects for implementation.

This is directly referenced in option C: "assign a business value to each project, considering the available resources

and how well they align with the strategy."

Update Roadmaps and Implementation Plan:

After coordination and prioritization, the Architecture Roadmap and the Implementation and Migration Plan are updated.

This is essential before formal governance (Phase G).

X Why the Other Options Are Incorrect:

A: Incorrect focus on updating the Architecture Definition Document and lessons learned.

The Architecture Definition Document is mostly finalized in Phases B–E.

Lessons learned and governance modeling are more relevant to Phase G (Implementation Governance) and Phase H (Architecture Change Management), not Phase F.

B: Although it mentions the Business Value Assessment Technique (a valid tool in TOGAF), it includes Architecture Definition Increments Table, which is not a standard TOGAF artifact.

Also, "document the lessons learned" is premature in Phase F; these are more applicable in Phase H.

D: Focuses on Compliance Assessment, which is part of Phase G (Implementation Governance), not Phase F.

Changing performance requirements based on monitoring tools is handled during operations and change management, not during migration planning.

Source

Reference from TOGAF:

TOGAF 9.2 – Section 11.3 (Phase F: Migration Planning)

"Activities include confirming the enterprise's capability for transition, prioritizing projects, identifying dependencies and resource availability, and co-ordinating with other management frameworks."

TOGAF 9.2 – Section 11.4 Outputs:

Architecture Roadmap (updated)

Implementation and Migration Plan (updated)

Business Value Assessment

Consolidated Gaps, Solutions, and Dependencies

Question: 145

Please read this scenario prior to answering the question

You are employed as an Enterprise Architect for a company that supplies products for industrial production automation. You are part of an Enterprise Architecture (EA) team that has responsibilities across the company.

The company has multiple manufacturing plants where it assembles both standard and customized products. Each of these plants operates its own planning and production scheduling systems, as well as applications and control systems that drive the automated production line.

During a recent management meeting, the agenda included discussion of how a competitor company had improved production efficiency by replacing multiple planning and scheduling systems with a single cloud-based system. This had reduced lifecycle costs through reduced duplication, lowered software maintenance costs, and supported incremental replacement. The CIO claimed the company's current systems architecture is already optimized. However, as the competitor has reported better financial results, the CEO has requested an investigation of a cloud-based solution.

In response, the Architecture Board approved a Request for Architecture Work to find out if such an architecture transformation would lead to efficiency improvements. You have been asked to help the architecture team with this project.

A concern of the plant managers is the safety and dependability of using a remote centralized system for planning and scheduling production. The system they choose must also be able to work with the local partners in the supply chain at each plant.

The company has an Enterprise Architecture (EA) practice and uses the TOGAF standard as the basis for its work. It has been running for many years and has established governance and development processes for EA. The Chief Information Officer (CIO) sponsors the Enterprise Architecture program.

Refer to the scenario

You have been asked to describe how you will start the architecture project.

Based on the TOGAF standard, which of the following is the best answer?

A. You would conduct a series of workshops with the local partners to gather requirements from them. Based on the findings from the workshops, you would define a preliminary Architecture Vision including summary views, high-level requirements, and high-level definitions of the baseline and target environments from a business, information systems, and technology perspective. You would then use the Architecture Vision to build agreement among the local partners.

B. You would gather information from your suppliers and conduct a series of briefings with those of them that are on the current approved supplier list. Based on the findings from the research, you would define a preliminary Architecture Vision including summary views, high-level requirements, and high-level definitions of the baseline and target environments from a business, information systems, and technology perspective. You would then use the Architecture Vision to build agreement among the key stakeholders.

C. You would develop baseline and target Architectures for each manufacturing plant, ensuring that the views corresponding to selected viewpoints address key concerns of the stakeholders. A business case, together with performance metrics and measures should be defined to ensure the architecture meets the business needs. A consolidated gap analysis between the architectures will then validate the approach and determine the capability increments needed to achieve the target state.

D. You would run a series of interviews at each manufacturing plant to discover and document business requirements. This would also help you understand the systems and integrations with local partners. You would create a matrix of stakeholders and their primary concerns. You would then determine and record the main stakeholder requirements for the architecture. You would then create clear high-level descriptions of the current and future architectures.

Answer: A

Explanation:

Option A best aligns with TOGAF Phase A: Architecture Vision, which is the starting phase for an architecture development cycle in TOGAF. This phase sets the foundation for the architecture engagement and ensures alignment with stakeholders and their concerns, especially when evaluating a major transformation like moving to a cloud-based planning and scheduling system.

Key TOGAF Concepts Supporting Option A:

1. Phase A: Architecture Vision Objectives

Establish the high-level scope, constraints, and expectations.

Identify stakeholders and define their concerns and business requirements.

Create the Architecture Vision, which includes:

Summary-level Baseline and Target Architecture views (business, data, application, and technology).

Initial requirements and key concerns.

Stakeholder buy-in and approval for moving forward.

2. Engagement with Stakeholders

In this case, the plant managers and local supply chain partners have concerns regarding safety and dependability.

TOGAF emphasizes early engagement with business stakeholders to ensure concerns are identified and incorporated into the vision.

3. Creating Architecture Vision Document

A deliverable of Phase A.

Includes high-level descriptions of the baseline and target architectures, initial business goals, and stakeholder viewpoints.

Used to build agreement and obtain formal approval to proceed with detailed architecture work in later phases (B–D).

X Why Other Options Are Incorrect:

B: Focuses on suppliers and not the actual stakeholders impacted by the architecture — i.e., plant managers and internal operations. This diverts from TOGAF's stakeholder-driven approach in Phase A.

C: This reflects Phases B–D of the ADM (Business, Information Systems, and Technology Architecture). It is too detailed and premature for the start of the project. In Phase A, you don't yet develop full baseline and target architectures or conduct a consolidated gap analysis.

D: While interviewing stakeholders is valid in Phase A, this option lacks a holistic view of the Architecture Vision development, and skips the TOGAF requirement to produce summary views of the baseline and target architectures and to use them to drive stakeholder buy-in. It is tactically correct, but strategically incomplete.

TOGAF Source

Reference:

TOGAF 9.2 – Section 6.2 (Phase A: Architecture Vision)

"The Architecture Vision describes how the proposed architecture support the business goals, and the strategic direction. It also provides a high-level description of the baseline and target architectures and identifies key stakeholders and concerns."

TOGAF 9.2 – Part IV, Architecture Content Framework

"The Architecture Vision includes the scope, constraints, and expectations. It forms the basis for approval to proceed with further architecture development."

Question: 146

Please read this scenario prior to answering the question

You are employed as an Enterprise Architect within a large law firm. The firm operates in many countries and has a complicated structure. Every office must follow the local regulations in their country.

The firm has an established Enterprise Architecture (EA) department which has been operating for several years. It has architecture governance and development processes based on the TOGAF standard. In addition to the EA program, the firm has several management frameworks in use, including business planning, project/portfolio management, and operations management. The Architecture Board includes representatives from all parts of the firm.

The Chief Information Officer (CIO) is the sponsor of the Enterprise Architecture program. The CIO has actively encouraged architecting with agility within the EA department as her preferred approach for projects.

The CIO has given approval for a Request for Architecture Work to explore the adoption of an AI- based system for managing legal cases and financial processes.

Senior management has become more and more worried about how well the business is running, especially with the advancements in Artificial Intelligence (AI). Many of the firm's competitors have started using AI to assist with legal strategies, streamline processes, and boost productivity. One of the most important benefits AI has for the business is its ability to increase accuracy and minimize mistakes.

Some of the top managers are worried about a change in the way of working, and if it will achieve the goals.

Their staff also fear that management will use the system to measure their performance. The CIO wants to know how to address these concerns and reduce risks. The new system would provide guidance to legal professionals and analysts on which tasks to focus on. The main goals are to improve productivity and make better use of staff. In addition, the CIO hopes these changes will lead to higher customer satisfaction.

Refer to the scenario

The Chief Information Officer (CIO) has asked you how to address the concerns and lower risks when introducing artificial intelligence (AI) in the firm.

Based on the TOGAF standard which of the following is the best answer?

A. The stakeholders should be identified, and their concerns documented in the Architecture Vision. A Communications Plan should be created to address the stakeholders. This plan should include a report that summarizes the key features of the architecture with respect to each location and the stakeholders' requirements. You will check with key stakeholders that their concerns are being addressed. Risk mitigation should be addressed as part of the architecture being developed.

B. A set of business models should be developed with focus on the essential business problem and the vision of the change being proposed. These models will be used to build consensus with the top managers on the approach for deployment of the AI-based solution. A meeting should be held with the key stakeholders to explain how to use and understand the models. Risk will be managed as part of the Security Architecture development.

C. An analysis of the stakeholders should be carried out. This will allow the architects to define groups of stakeholders who have common concerns and include development of a Stakeholder Map. The concerns and relevant views should then be defined for each group and recorded in the Architecture Vision document. To reduce risk, you include a requirement that there be progressive development of the target architecture to get regular feedback.

D. Models should be created for each of the high-level Business, Application and Technology architectures included in the Architecture Vision. The models can be used to help the top management understand the new business direction, and make sure that the system will be compliant with the local regulations for each operating entity. A formal review should be held with the stakeholders to confirm that their concerns have been properly addressed by the models.

Answer: C

Explanation:

The question focuses on addressing stakeholder concerns and mitigating risks when introducing AI- based systems in a law firm, while also reflecting the CIO's preference for architecting with agility.

Option C is the best fit according to TOGAF.

Q Why Option C Is Correct

1. TOGAF Emphasizes Stakeholder Identification and Stakeholder Mapping (Phase A)

TOGAF requires:

Identifying stakeholders

Analyzing their concerns, interests, and influence

Grouping stakeholders into categories

Producing a Stakeholder Map and defining needed views

Option C precisely describes this process.

2. Document Concerns in the Architecture Vision

The TOGAF Architecture Vision must include:

Stakeholder concerns

Relevant viewpoints

Business goals and drivers

High-level requirements

C describes documenting concerns and views in the Architecture Vision, which aligns perfectly with TOGAF Phase A.

3. Supports Agility / Progressive Development

The CIO promotes architecting with agility.

Option C includes:

“a requirement that there be progressive development of the target architecture to get regular feedback.”

This is consistent with:

TOGAF's support for iterative, incremental, and risk-reducing development cycles

Agile architecture principles

Thus, C aligns both with TOGAF and the CIO's preference for agile adoption.

X Why the Other Options Are Incorrect

A:

Communication planning is valid, but the answer is too focused on reporting and location-specific summaries, which are not part of TOGAF Phase A.

Does not address the CIO's need for agility.

Risk mitigation is described vaguely and incorrectly tied to later phases.

B:

Focuses on "business models" and "security architecture" — not the right emphasis for early stakeholder engagement.

Does not address fear of job performance monitoring or behavior change, which requires stakeholder-sensitive treatment.

D:

Proposes creating high-level Business, Application, and Technology models in Phase A, which is inappropriate — such models belong in Phases B, C, D, not Vision.

Focuses on regulatory compliance rather than stakeholder concerns.

TOGAF

Reference

TOGAF 9.2 – Phase A: Architecture Vision

Defines stakeholder identification, concerns, and stakeholder map.

Encourages iterative, agile approaches.

Requires capturing concerns in the Architecture Vision.

TOGAF ADM Guidance for Agile

Supports incremental, feedback-driven development to reduce risk.

Question: 147

Please read this scenario prior to answering the question

You are employed as an Enterprise Architect at a multinational energy company. The company is committed to reducing its emissions. To achieve this, the company is increasing production of renewable energy and adopting eco-friendly practices.

The company has an Enterprise Architecture (EA) practice and follows the TOGAF standard for its EA framework. The EA team manages all the major projects in the company. The EA team reports to the Chief Technical Officer (CTO), who is the sponsor of the EA program. The Architecture Board is made up of senior leaders from all parts of the company.

The company is starting to invest in developing various kinds of renewable energy projects, including solar, and wind. A large part of the growth in its renewable energy portfolio has come from buying other companies. The company is keen on acquiring small startups and mid-size companies to leverage their technical innovations. This way, the company aims to outperform its competitors, scale rapidly, and establish a presence in new markets.

The existing business and the newly acquired companies are not working well together, which increasingly causes problems. In response, a strategic plan was created and approved. The plan aims to make the merged companies work more effectively together. This will save money by sharing their common assets, including fixed capital assets, research and development facilities, and resources.

The EA team have been asked to oversee the transformation to carry out the strategic plan. A Request for Architecture Work for the project has created and has been approved. The goal is to strengthen the company's position in the market and reduce costs by taking advantage of economies of scale. The Chief Executive Officer (CEO) has stated that to stay competitive and relevant, the company must transform or entirely reinvent its business model.

Refer to the Scenario

What needs to be done to make sure that the company succeeds with the changes and how should risks be managed?

Based on the TOGAF standard, which of the following is the best answer?

A. The EA team should document the risks associated with the transformation in an Implementation Factor Catalog. This will be used as a record of important decisions during implementation and deployment for the transformation effort. The catalog should list all the factors to consider, their descriptions, and any limitations to consider. These factors can then be used to help evaluate the risks, which can be documented in the Implementation and Migration Plan.

B. The EA team should use the Business Scenarios technique to describe the business problem, identify the stakeholders' concerns and achieve consensus on the requirements. Once the requirements have been identified, they can be evaluated in terms of their risks. The risks should be assessed in terms of how they can be avoided, transferred, or reduced. Risks that cannot be resolved should be identified as residual risks and how to address them should be decided by the

Architecture Board.

C. The EA team should develop a set of Business Architecture views to demonstrate how stakeholder concerns are being addressed. These views can also be used to identify the factors that will impact the transformation. For each factor identified, there should be a structured assessment of the current state of each factor against a maturity model. This information can then be used to determine the potential risks associated with the transformation, and areas where better preparation is needed.

D. The EA team needs to identify obstacles that could hinder the project. This should include identifying the factors that will impact the transformation, and determining the readiness level for each factor based on a scale that will help the team to understand the urgency, readiness, and degree of difficulty to fix. These factors can be used to evaluate the initial risks of the change, areas of risk that need attention, and areas where you need to prepare the staff and systems better.

Answer: D

Explanation:

This question asks:

What needs to be done to make sure the company succeeds with the transformation and how should risks be managed?

The scenario involves:

Large-scale business transformation

Integration of acquired companies

Significant organizational change

Need to assess risk, readiness, and obstacles

This strongly aligns with TOGAF's Business Transformation Readiness Assessment and Risk Management guidance (primarily in the Preliminary Phase, Phase A, and Phase F).

Q Why Option D Is Correct

✓ Matches TOGAF's Business Transformation Readiness Assessment

TOGAF explicitly states that before undertaking major business change, the architecture team must **ASSESS**:

Readiness factors

Obstacles

Risks

Degree of organizational preparedness

Option D describes exactly this process:

"identify obstacles that could hinder the project ... determine the readiness level ... understand urgency, readiness, and degree of difficulty ... evaluate initial risks and areas needing attention."

That wording maps directly to the TOGAF Readiness Assessment steps, including:

Readiness Factor Evaluation

Risk Identification

Mitigation Strategy Development

✓ Addresses Success Factors of Transformation

TOGAF emphasizes that large transformations succeed when:

Readiness factors are understood

Organizational obstacles are identified early

Appropriate preparation is made for people, processes, and systems

Option D describes these success actions.

Why the Other Options Are Incorrect

A – Implementation Factor Catalog

The catalog helps consider implementation constraints, but it is not the primary mechanism for evaluating overall transformation readiness.

It is more relevant later (Phase F), not at the strategic transformation level described in the scenario.

B – Business Scenarios

Business Scenarios help define requirements and validate the architecture.

They do NOT cover readiness assessment, organizational preparedness, or comprehensive transformation risk management.

Too narrow for the scale of change described.

C – Develop Business Architecture Views + Maturity Model

While views can expose stakeholder concerns, TOGAF does not prescribe evaluating transformation readiness via a “maturity model” in this context.

This is partially correct but not the TOGAF aligned method for ensuring change success.

Relevant TOGAF Sources

TOGAF 9.2 — Business Transformation Readiness Assessment

Includes evaluation of:

Organizational readiness

Barriers and obstacles

Culture and motivation

Dependencies and risks

Readiness factors scoring

TOGAF ADM Guidance

Readiness assessment is required when conducting large-scale transformation.

Helps ensure risks are identified, understood, and mitigated.

Question: 148

Please read this scenario prior to answering the question

You are employed as an Enterprise Architect, reporting to the Chief Enterprise Architect, at a technology company. The company uses the TOGAF standard as the method and guiding framework for its Enterprise Architecture (EA) practice.

The nature of the business is such that the data and the information stored on the company systems is the company's major asset and is highly confidential. The company employees travel a lot for work and need to communicate over public infrastructure. They use message encryption, secure internet connections using Virtual Private Networks (VPNs), and other standard security measures. The company has provided computer security awareness training for all its staff. However, despite good education and system security, there is still a need to rely on third-party suppliers for infrastructure and software.

The Chief Security Officer (CSO) has noted an increase in ransomware (malicious software used in ransom demands) attacks on companies with a similar profile. The CSO recognizes that no matter how much is spent on education, and support, the company could be a victim of a significant attack that could completely lock them out of their important data.

A risk assessment has been completed and the company has looked for cyber insurance that covers ransomware. The price for this insurance is very high. The CTO recently saw a survey that said 1 out of 4 businesses that paid ransoms could not get their data back, and almost the same number were able to recover the data without paying. The CTO has decided not to get cyber insurance to cover ransom payment.

The Chief Technology Officer (CTO) is the sponsor of the EA project. The practice uses an iterative approach for its architecture development. This has enabled the decision makers to gain valuable insights into the different aspects of the business.

Refer to the scenario

You have been asked to describe the steps you would take to strengthen the current architecture to improve data protection.

Based on the TOGAF standard which of the following is the best answer?

- A. You would ensure that the business value and cost of continuity measures are understood by key stakeholders and would ensure that the company has in place up-to-date processes for managing change to the current Enterprise Architecture. You recommend that mitigation for a ransomware attack be addressed at the infrastructure level with specific technology controls. Changes should be made to the baseline description of the Technology Architecture. The changes should be approved by the Architecture Board and a change request approved.
- B. You would hold an Architecture Compliance Review with the scope to examine the company's ability to respond to ransomware attacks. You would identify the departments involved and have them nominate representatives. You would then tailor checklists to address the requirement for increased business continuity and resilience. You would circulate to the nominated representatives for them to complete. You would then review the completed checklists, identifying and resolving issues. You would then determine and present your recommendations.
- C. You would run an assessment to identify the business continuity requirements and analyze the current Enterprise Architecture for gaps. You would create a change request to start a further cycle of architecture work to address changes to mitigate such an attack. You would arrange a meeting of the Architecture Board to assess and approve the change request. Once approved you would create a new Request for Architecture Work to begin an ADM cycle to implement the changes.
- D. You would contact existing suppliers for technology that could enhance the company's capabilities to detect, react, and recover from an incident. You would perform an analysis and assessment of a simulated ransomware attack to evaluate the current Enterprise Architecture's resilience and recovery capabilities. Using the findings, you would prepare a gap analysis of the current Enterprise Architecture. You would prepare change requests to address identified gaps. You would add the changes implemented to the Architecture Repository.

Answer: C

Explanation:

The question asks:

“What steps would you take to strengthen the current architecture to improve data protection?”

This requires understanding how TOGAF handles:

Business continuity requirements

Gap analysis in existing architecture

Architecture change requests

Triggering a new ADM cycle

Governance via the Architecture Board

Option C is the only answer that aligns correctly with TOGAF's formal Architecture Change Management process (ADM Phase H) and how to progress from identifying gaps to initiating a new cycle.

Why Option C Is Correct

- ✓ 1. Starts with identifying business continuity requirements

TOGAF Phase A and Phase B require understanding business continuity and information security requirements as part of architecture development.

- ✓ 2. Analyzes the current architecture for gaps

Gap analysis is a required step in:

Phase B (Business Architecture)

Phase C (Data/Application Architecture)

Phase D (Technology Architecture)

It is also part of Architecture Change Management (Phase H) when examining existing threats or deficiencies.

- ✓ 3. Creates a Change Request

In TOGAF, if gaps or new risks require architectural enhancements, a formal Change Request is submitted. This is a mandatory TOGAF mechanism.

- ✓ 4. Architecture Board evaluates the Change Request

The Architecture Board approves major changes before a new cycle starts — exactly as described in option C.

- ✓ 5. Initiates a new ADM cycle with a RfAW

TOGAF explicitly states:

A new or major architecture change requires a Request for Architecture Work before beginning a new ADM cycle.

Option C follows this sequencing precisely:

Identify requirements → analyze gaps → issue change request → Architecture Board approval → create RfAW → start new ADM cycle.

This is textbook TOGAF.

X Why the Other Options Are Incorrect

A – Too narrow and focuses only on Technology Architecture

The problem spans business continuity, data protection, and enterprise-wide readiness — not just infrastructure.

Does not include gap analysis, stakeholder analysis, or initiating a formal ADM cycle.

Incorrectly reduces ransomware mitigation to technology controls.

B – Architecture Compliance Review is inappropriate here

A Compliance Review is used to:

Ensure implementation conforms to architecture

Not to:

Identify new risks

Strengthen the architecture

Conduct gap analysis

This option is misusing the review process.

D – Supplier-driven, not TOGAF-driven

Involves contacting suppliers prematurely — not aligned with TOGAF's architecture-first methodology.

Does not involve Architecture Board approval before pursuing solutions.

Jumps into solutioning before architectural approval.

Relevant TOGAF

Reference

Phase H: Architecture Change Management

Manage changes

Evaluate impacts

Generate change requests

Architecture Board Roles

Approves Change Requests

Governs new ADM cycles

Request for Architecture Work

Used to formally launch a new ADM cycle

Question: 149

Full Scenario

You are employed as an Enterprise Architect in an Enterprise Architecture (EA) team at a food production and distribution company. The main goal of the company is to increase profit while meeting the needs of consumers for its products. Its customers want food that is produced sustainably, safely, and transparently, while reducing environmental impact.

The company has an Enterprise Architecture practice based on the TOGAF standard, using it as the method and guiding framework. The Chief Information Officer (CIO) is the sponsor of EA practice.

The business is a highly mechanized agricultural operation where business capabilities, including planting, harvesting, processing, packaging, and distribution, rely heavily on technology and machinery. The use of EA has enabled the decision makers to have valuable insights into the different aspects of the business.

The warmer climate has led to less successful farming, and the company is growing fewer crops than before. Also, prices for energy, feed, fuel, and fertilizer have gone up. This has caused a big drop in earnings. Due to the rising costs and lower profits, the company has been unable to do as much to help the environment. It especially has struggled to reduce its carbon emissions.

In response to the situation, the Chief Executive Officer (CEO) has decided that big changes are needed, that will lead both to improved crop production and profitability. They must look to all aspects of the business. This includes looking at the mix of crops to mitigate for the change in

climate. The company will also cease to process its own crops and will sell off its processing facilities. Thus, the target market will change, and the end-products will be different and more varied. A formal request for architecture change has been approved. At this stage there is no fixed scope, shared vision, or objectives.

What is the best approach for architecture development to realize the CEO's change in direction for the company?

Based on the TOGAF standard which of the following is the best answer?

A. The team should use the Architecture Definition Document and work on architecture development starting simultaneously phases B, C and D. This is because the CEO has identified the need to change. This will ensure that the change can be defined in a structured manner and address the requirements needed to realize the change.

B. The team should define the baseline Technology Architecture first in order to assess the current infrastructure

capacity and capability for the company. Next, the team should concentrate on transition planning and incremental architecture deployment. This will identify requirements to ensure that the projects are sequenced in an optimal fashion to realize the change.

C. The team should produce a new Request for Architecture Work leading to development of a new Architecture Vision. The trade-off method should be applied to identify and select an architecture satisfying the stakeholders. For an efficient change the EA team should be aligned with the organization's planning, budgeting, operational, and change processes.

D. The team should work on architecture definition including development of business models, with emphasis on defining the change parameters to support this new business strategy that the CEO has identified. Once understood, the team will be in the best position to identify the requirements, drivers, issues, and constraints for the change.

Answer: C

Explanation:

In TOGAF, when an enterprise undergoes a significant strategic shift—particularly one initiated by executive leadership without a clearly defined scope, vision, or objectives—the correct starting point is always Phase A: Architecture Vision, and only after a formal Request for Architecture Work is created or updated. The scenario explicitly states that the CEO has approved a request for architecture change but has not defined scope, constraints, or direction. This aligns precisely with TOGAF guidance that Phase A must establish the high-level vision, stakeholder concerns, business drivers, and initial requirements before moving into the detailed architecture development phases (B, C, D).

Answer choice C reflects this: it requires producing a new Request for Architecture Work and developing a new Architecture Vision, which is the foundational step for any enterprise-wide

transformational effort. TOGAF also requires application of the trade-off method to balance stakeholder needs in the Vision phase before detailed architectures are designed.

Choices A and D incorrectly assume architecture definition can begin without a clear approved vision. Choice B focuses solely on Technology Architecture, which contradicts TOGAF's requirement that Business Architecture must lead the effort during major transformation.

Thus, the only answer compliant with TOGAF ADM is C.

Question: 150

Full Scenario

You are employed as an Enterprise Architect working at a company that creates and sells products targeted at the end-user market. These products are sold worldwide through retail outlets.

You are part of the Enterprise Architecture (EA) team reporting to the EA team leader. The Enterprise Architecture practice at the company is sponsored by the Chief Technology Officer. The EA team has operated successfully for several years and has well developed processes based on the TOGAF standard. The EA team's responsibilities include architecting product development processes and customer experience.

The company uses Agile product management techniques and Agile development practices. The EA team works with the product management teams, supporting and enabling the Agile development teams.

The company is in the middle of a digital transformation where it will extend its product range from physical products to also include digital products and digital services. This includes each of its product lines making the change to offer direct-to-consumer digital products and services associated with their existing physical products.

You are working with the EA team leader to develop a plan for the overall digital transformation project. You have been asked to work on a specific product line, which is experimenting with new direct-to-consumer digital products using a third-party platform. This project took a Minimum Viable Architecture approach, including a shallow architecture development iteration with a focus on the Application Architecture, followed by a quick and minimal implementation.

The initial feedback from customers shows low engagement and limited interest, suggesting that the new offerings may not align with customer needs. Looking at the data, it is clear that the products are not reaching the target audience that they were designed for, leading to a failure to meet the revenue target.

How will you gather information to address the low customer engagement and missed revenue target?

Based on the TOGAF standard which of the following is the best answer?

A. You would perform another iteration of ADM Phases B–C. This would include development of a description in the Architecture Definition Document of how the product architecture needs to operate to achieve the business goals, and how the application will support the needs of the business as well as the customers. The Data Architecture should identify tools for data capture that would help with analysis of the concerns raised by the product manager.

B. You would revise the target Business Architecture and develop new architecture models to address the issues raised. The new models should identify different groups of customers, what their interests are, how much it costs to serve them, and the resulting revenue. You would use value stream mapping to help understand customer value for the direct-to-consumer products. You would investigate different target Business Architecture alternatives.

C. You would start with the target Application Architecture, revising it to better align with the overall digital transformation plan. You would prepare a new Statement of Architecture Work, including a detailed project description and work plan, and submit that for review by the EA team leader. Once approved by the EA team leader, you would conduct a full ADM cycle to gather all the necessary information to address the issues raised.

D. You would review the baseline architecture for ADM Phase B to determine what gaps in functionality have been missed in the target architecture that would meet the customer's needs and attract the target audience. You would research and draw up a list of alternatives that would increase the value proposition for the target audience. You would then define candidate roadmap components from the alternatives and develop a proposed schedule for deployment using a just-in-time approach.

Answer: B

Explanation:

In TOGAF, when customer needs are unclear or misaligned with the existing architectural direction, the correct approach

is to return to the Business Architecture. The Business Architecture phase (ADM Phase B) is responsible for understanding stakeholders, customer segments, business processes, value streams, motivations, and expected outcomes. Since the scenario identifies low engagement, poor adoption, and missed revenue targets, the breakdown is not in technology or application capabilities—it is a business misalignment.

Option B correctly focuses on revisiting and refining the target Business Architecture, including identifying customer groups, their interests, costs to serve them, and expected revenue streams. This aligns with TOGAF guidance that Business Architecture must define value propositions and customer value streams before other architecture domains can be effectively adjusted. The use of value stream mapping is entirely appropriate within Business Architecture development, as it provides a structured way to analyze customer value and identify what changes are necessary to meet business

goals.

Options A and D prematurely focus on application or baseline gap analysis, which would not resolve a fundamental misunderstanding of customer needs. Option C expands into a full ADM cycle, which is unnecessary at this stage because the primary issue is misalignment, not architectural completeness.

Question: 151

Full Scenario

You are employed as an Enterprise Architect within the Enterprise Architecture (EA) team at a clinical research and health technologies company. The company has multiple divisions. Your team works within the healthcare division.

The healthcare division is always creating new products and needs to show the effectiveness and safety of the products. This happens in a set of clinical trials that satisfy the legal requirements of the relevant health authorities. The clinical trials are undertaken by the division's research laboratories at multiple facilities worldwide. At any time, there are many clinical trials happening. In addition to internal research and development activities, the healthcare division is also involved in publicly funded research projects with industrial and academic partners.

Your team is working on an architecture project to develop a secure system that will allow the healthcare researchers to share information more easily about their clinical trials. It will make working together easier across the organization. This system will also allow secured collaboration with external partners.

The EA team uses the TOGAF Architecture Development Method with adaptations required to support healthcare production methods and laboratory procedures. Due to the highly sensitive nature of the information that is managed, special care has been taken to ensure that each architecture domain considers the privacy and safety concerns.

The EA team has been instructed to minimize disruptions to the trials and to gradually introduce the new system.

The company has an established EA practice and has adopted the TOGAF standard for use in its architecture work. The EA practice is federated, which allows some interoperability and information sharing between the divisions yet permits partially independent activity. The Vice President of the healthcare division is the sponsor of the Enterprise Architecture activity for your EA team.

As part of introducing the new system, how would you go about breaking down the project into work packages?

Based on the TOGAF standard which of the following is the best answer?

- A. Identify Solution Building Blocks needing development or procurement, eliminate duplicates, group with CRUD matrices, rank work packages, select cost-effective options, and schedule rollouts in Transition Architectures.
- B. Create an Implementation Factor Catalog to indicate actions and constraints. Draw up a matrix with architecture domains and gaps. For each gap, classify solutions as new development, purchased, or existing product. Group similar activities into work packages, identify dependencies, and regroup them into Capability Increments scheduled across Transition Architectures.
- C. Use a Consolidated Gaps, Solutions, and Dependencies Matrix as a planning tool; classify solutions, group similar ones, and regroup into Capability Increments documented in an Architecture Definition Increments Table.
- D. Use Solution Building Blocks from a Consolidated Gaps, Solutions, and Dependencies Matrix and group into work packages, sequence them, and document rollout using a Transition Architecture State Evolution Table.

Answer: B

Explanation:

In TOGAF, the process of breaking down an initiative into work packages must be grounded in a structured evaluation of gaps, solutions, dependencies, constraints, and implementation factors. Option B precisely follows this guidance. It begins by producing an Implementation Factor Catalog, which is a TOGAF artifact used to record business, technical, regulatory, organizational, and risk considerations that influence implementation. This is especially relevant in the scenario because clinical trials operate under strict regulatory controls, highly sensitive data, and complex coordination across multiple research sites.

Next, Option B calls for creating a gap matrix comparing baseline and target architectures across domains. For each gap, TOGAF requires classification of solution approaches: new development, purchased solution, or reuse of existing components. This aligns directly with the Solutions Continuum and the practice of forming Solution Building Blocks. Grouping similar activities into work packages is also textbook ADM practice, ensuring traceability from architecture gaps into actionable implementation components.

Furthermore, Option B incorporates dependencies analysis and restructures work packages into Capability Increments, which is the TOGAF-recommended method for incremental delivery and Transition Architectures. This matches the scenario's requirement for gradual rollout to minimize disruption to ongoing clinical trials.

Thus, Option B fully reflects the TOGAF standard for structured work package definition.