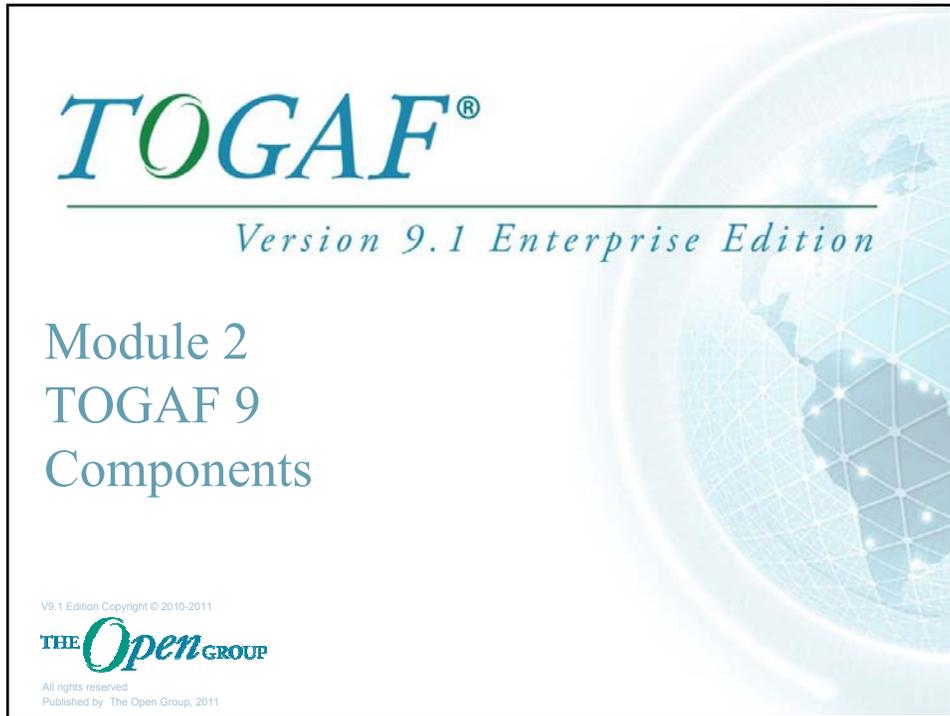
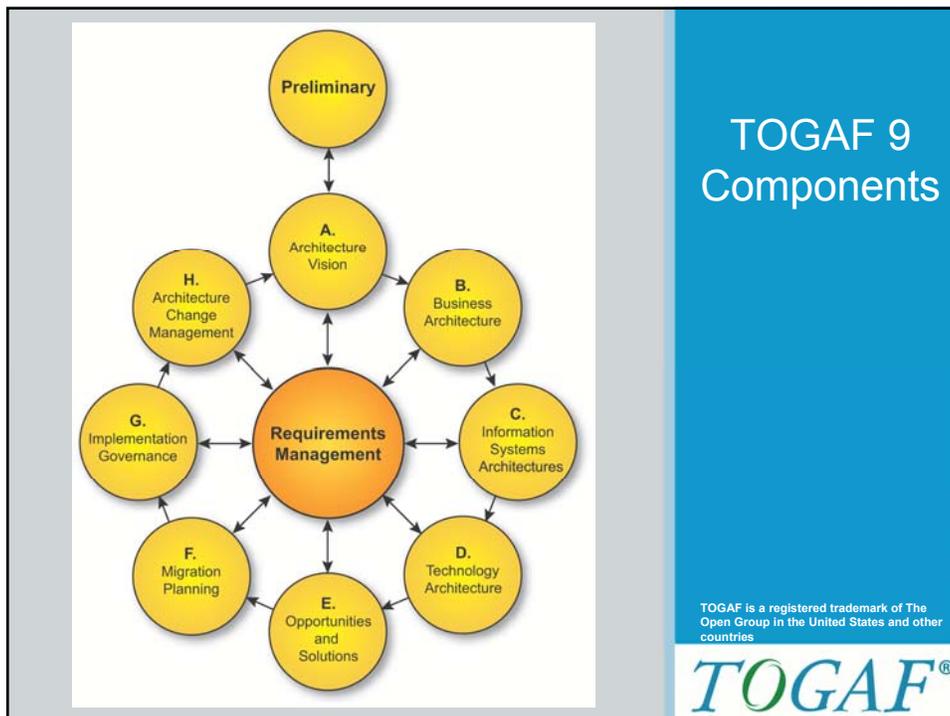


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Module Objectives

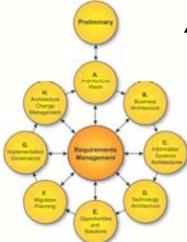
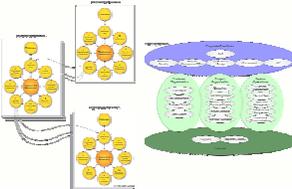
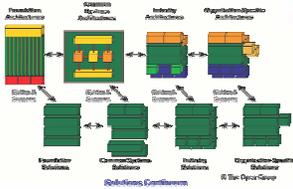
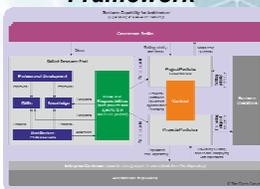
- To highlight and introduce the main components and key concepts of TOGAF 9
 - **The Architecture Development Method (ADM)**
 - **ADM Guidelines and Techniques**
 - **Architecture Content Framework**
 - Deliverables, artifacts, building blocks
 - **The Enterprise Continuum**
 - The Architecture Repository
 - **TOGAF Reference Models**
 - **The Architecture Capability Framework**
 - Establishing an EA Capability

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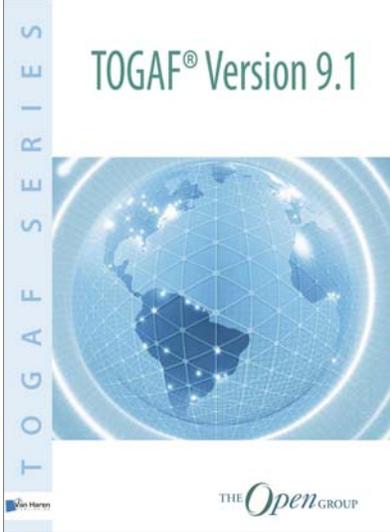
TOGAF 9 Components

 <p>ADM</p>	 <p>Architecture Content Framework</p>	 <p>Reference Models</p>
 <p>ADM Guidelines & Techniques</p>	 <p>Enterprise Continuum</p>	 <p>Architecture Capability Framework</p>

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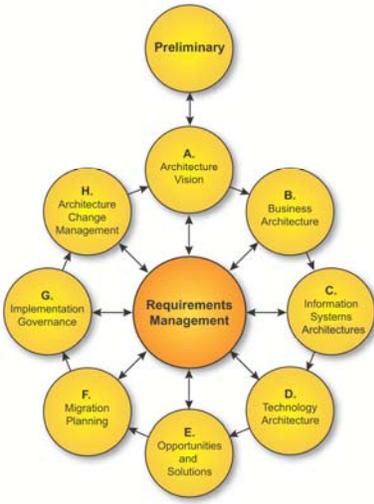
Part I - Introduction
Preface, Executive Overview, Core Concepts, Definitions and Release Notes
Part II - Architecture Development Method
Introduction to ADM
ADM Phase Narratives
Part III - ADM Guidelines and Techniques
Guidelines for Adapting the ADM Process
Techniques for Architecture Development
Part IV - Architecture Content Framework
Content Metamodel
Architectural Artifacts
Architecture Deliverables
Building Blocks
Part V - Enterprise Continuum and Tools
Enterprise Continuum
Architecture Partitioning
Architecture Repository
Tools for Architecture Development
Part VI - TOGAF Reference Models
Foundation Architecture: Technical Reference Model
Integrated Information Infrastructure Reference Model
Part VII - Architecture Capability Framework
Architecture Board
Architecture Compliance
Architecture Contracts
Architecture Governance
Architecture Maturity Models
Architecture Skills Framework

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The Architecture Development Method



- The core of TOGAF
- A proven way of developing an architecture
- Designed to address business requirements
- An iterative method
- A set of architecture views to ensure that a complex set of requirements are adequately addressed
- Each phase includes objectives, approach, inputs, steps and outputs

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ADM Guidelines and Techniques

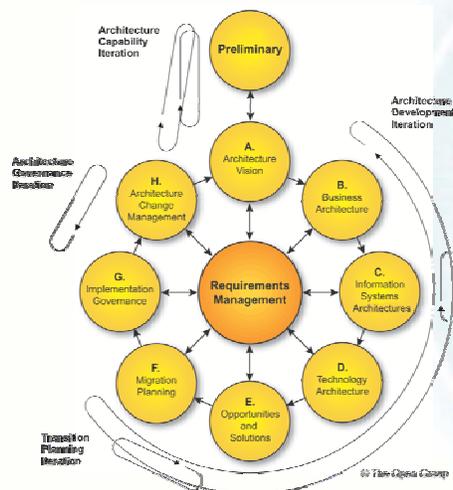
- A set of guidelines and techniques to support the application of the ADM
- The guidelines help to adapt the ADM to deal with different scenarios, including different process styles (e.g. the use of iteration) and also specific requirements (e.g. security).
- The techniques support specific tasks within the ADM (e.g. defining principles, business scenarios, gap analysis, migration planning, risk management, etc).

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Applying Iteration to the ADM

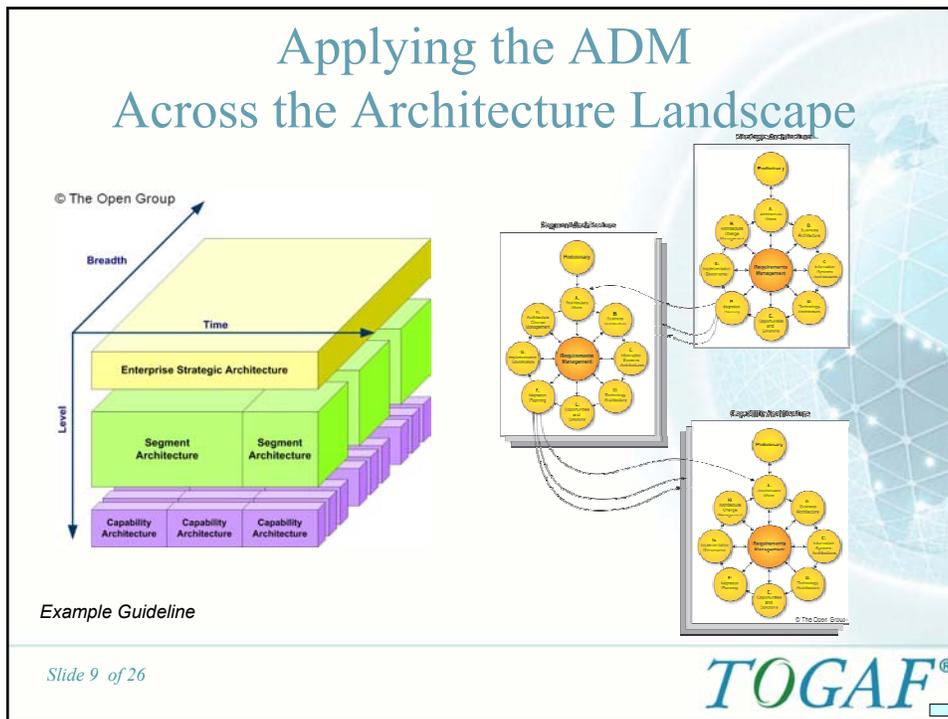


Example Guideline

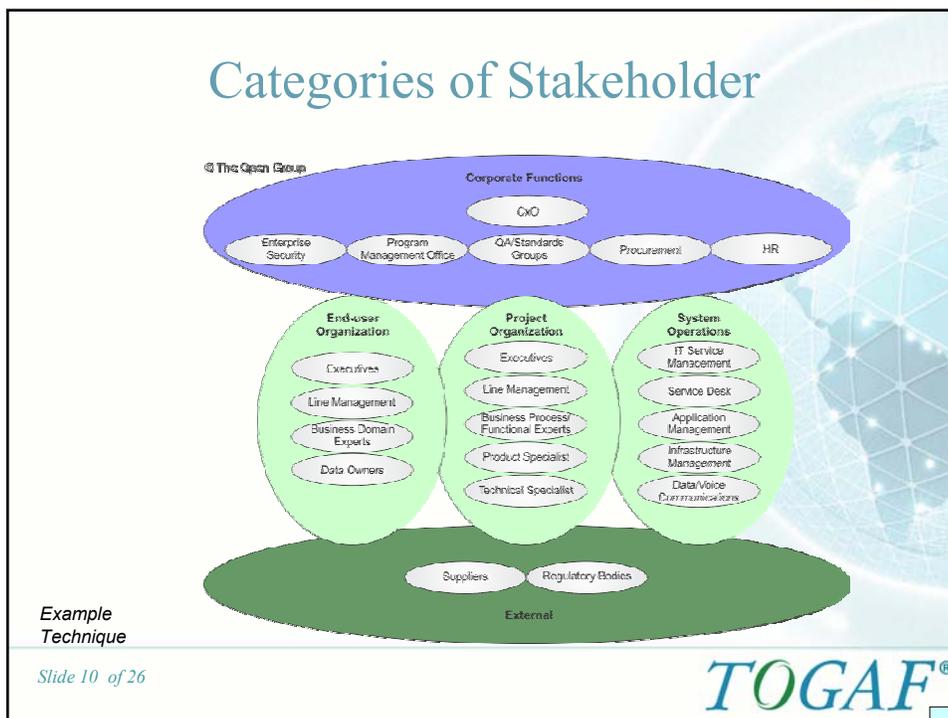
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Architecture Content Framework

The diagram illustrates the Architecture Content Framework as a grid of domains and their components:

- Architecture Principles, Values, and Requirements** (Top):
 - Architecture Principles: Architecture Principles, Business Strategy, Technology Strategy, Business Principles, Objectives, and Goals, Architecture Vision, Standards
 - Architecture Requirements: Requirements, Constraints, Assumptions, Risks
- Business Architecture** (Left):
 - Business: Mission, Goals, Objectives, Measures
 - Organization: Organizational Units, Locations, Actors, Roles
 - Function: Business Services, Capabilities, Business Processes, Processes, Events, Controls, Products, Functions
- Information Systems Architectures** (Middle):
 - Data: Data Entities, Logical Data Components, Physical Data Components
 - Application: Information System Services, Logical Application Components, Physical Application Components
- Technology Architectures** (Right):
 - Platform Services: Platform Services, Logical Technology Components, Physical Technology Components
- Architecture Realization** (Bottom):
 - Opportunities, Solutions, and Migration Planning: Opportunities, Work Packages, Implementation Guidelines
 - Implementation Governance: Standards, Guidelines, Specifications

Provides a detailed model of architectural work products, including **Deliverables**, **Artifacts** within deliverables, and the **Architecture Building Blocks (ABBs)** that deliverables represent.

- It drives for greater consistency in the outputs of TOGAF
- It provides a comprehensive checklist of architecture outputs
- It promotes better integration of work products
- It provides a detailed open standard for how architectures should be described
- It includes a detailed metamodel

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Deliverables, Artifacts and Building Blocks

The diagram shows the relationship between Architecture Deliverables and an Architecture Repository:

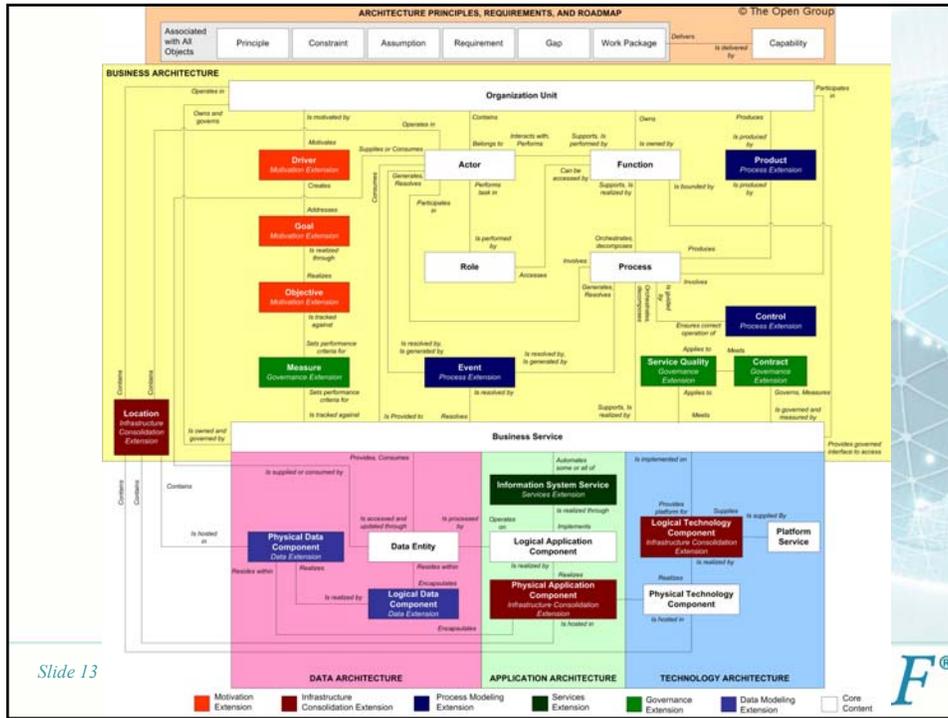
- Architecture Deliverables** (Left):
 - Artifacts and Building Blocks: Artifacts (Which are Describing Building Blocks)
 - Other Deliverables
- Architecture Repository** (Right):
 - Re-Usable Building Blocks: Catalogs, Matrices, Diagrams, Building Blocks (Describing)
 - Architecture Deliverables

Arrows indicate that Artifacts, Matrices, Diagrams, and Building Blocks from the Architecture Deliverables are stored in the Architecture Repository. The Repository also contains Re-Usable Building Blocks and Architecture Deliverables.

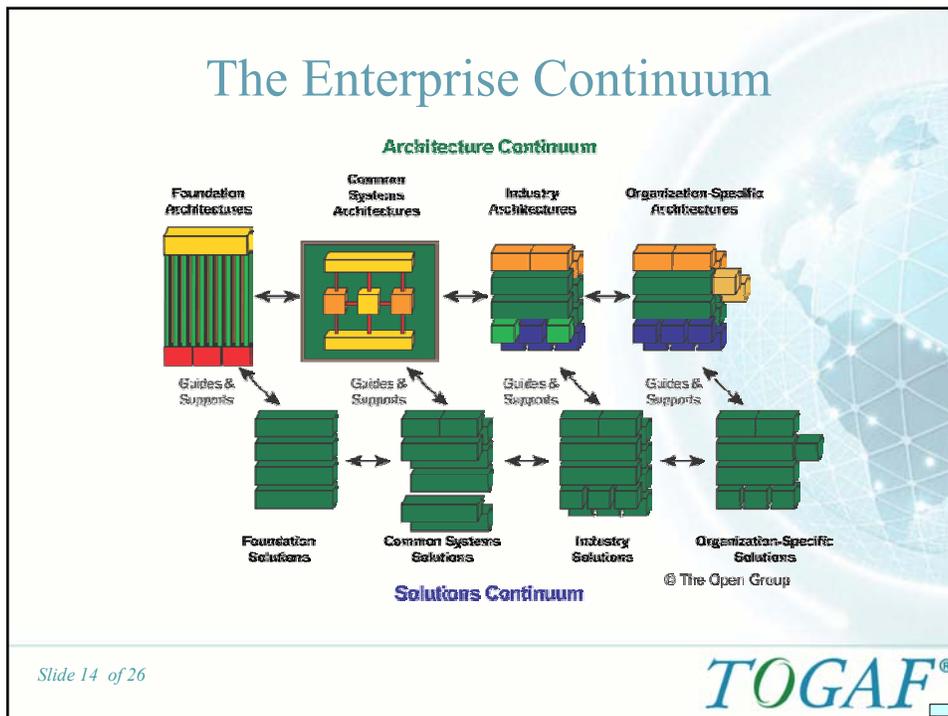
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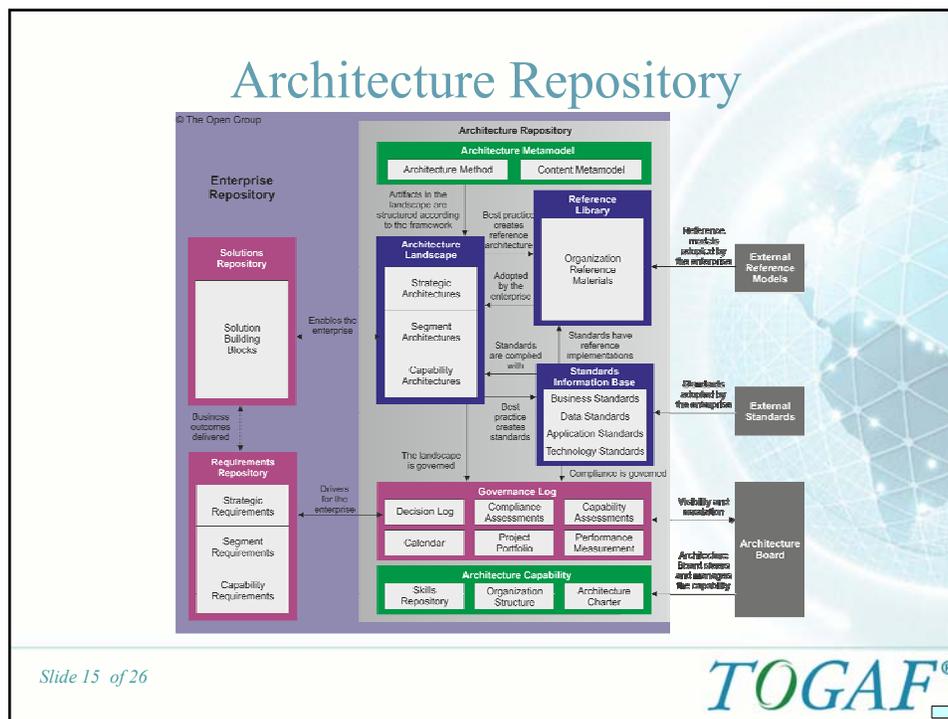
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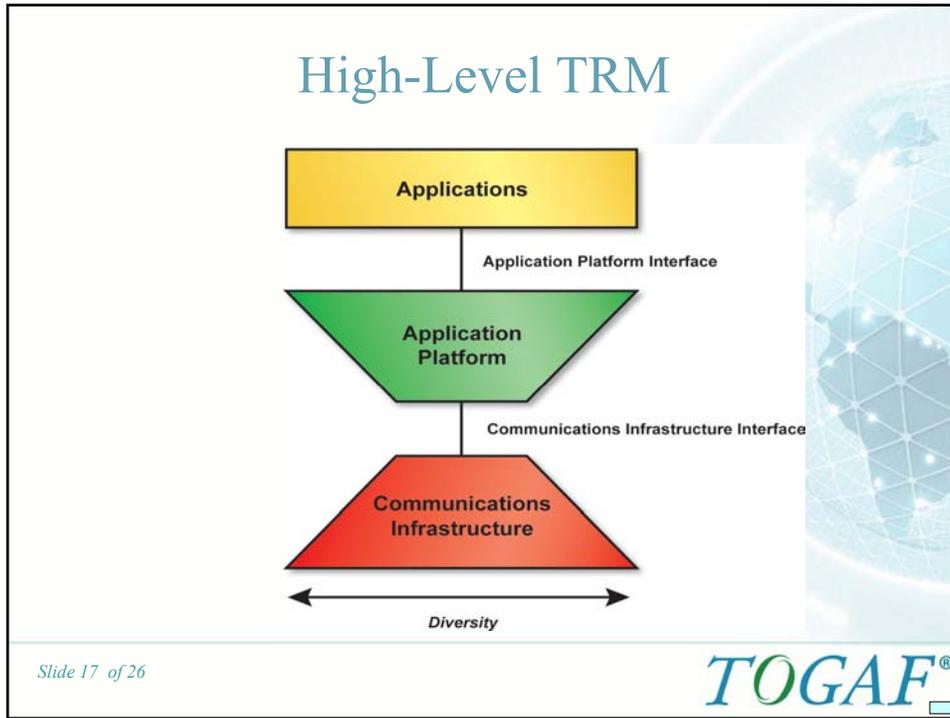
TOGAF Reference Models

- Two Reference Models are provided
 - **The TOGAF Technical Reference Model (TRM)**
 - A Foundation Architecture
 - A model and a taxonomy of generic platform services
 - **The Integrated Information Infrastructure Model (III-RM).**
 - A model for business applications and infrastructure applications
 - Specifically aimed to support the vision of *Boundaryless Information Flow™*

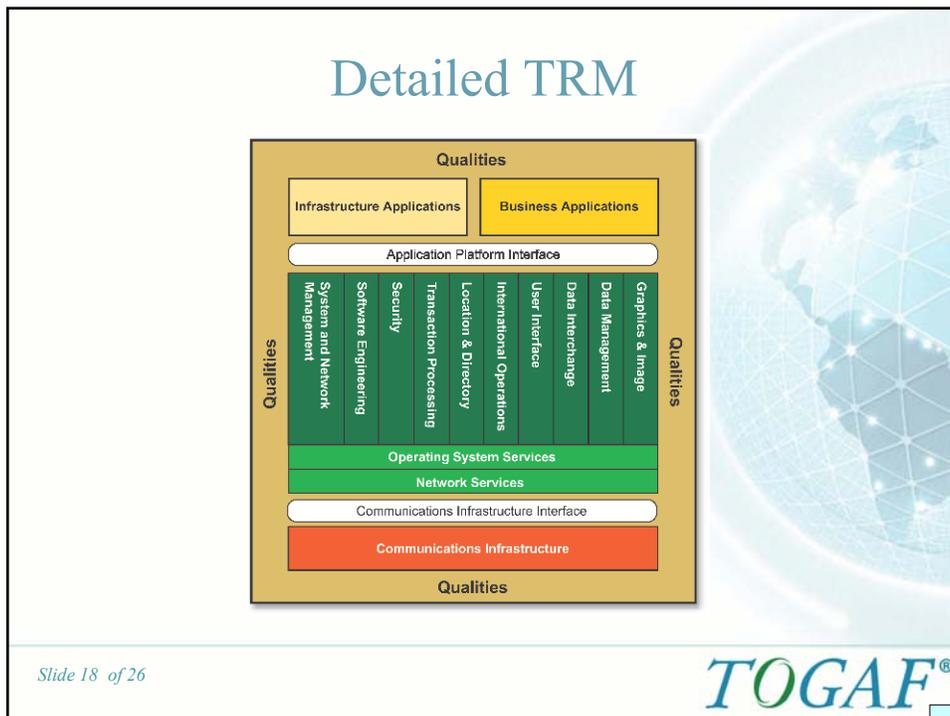
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Boundaryless Information Flow™

- A trademark of The Open Group
- Access to integrated information to support business process improvements
- An infrastructure that provides Boundaryless Information Flow has open standard components that provide services in a customer's extended enterprise that:
 - Combine multiple sources of information
 - Securely deliver the information whenever and wherever it is needed, in the right context for the people or systems using that information

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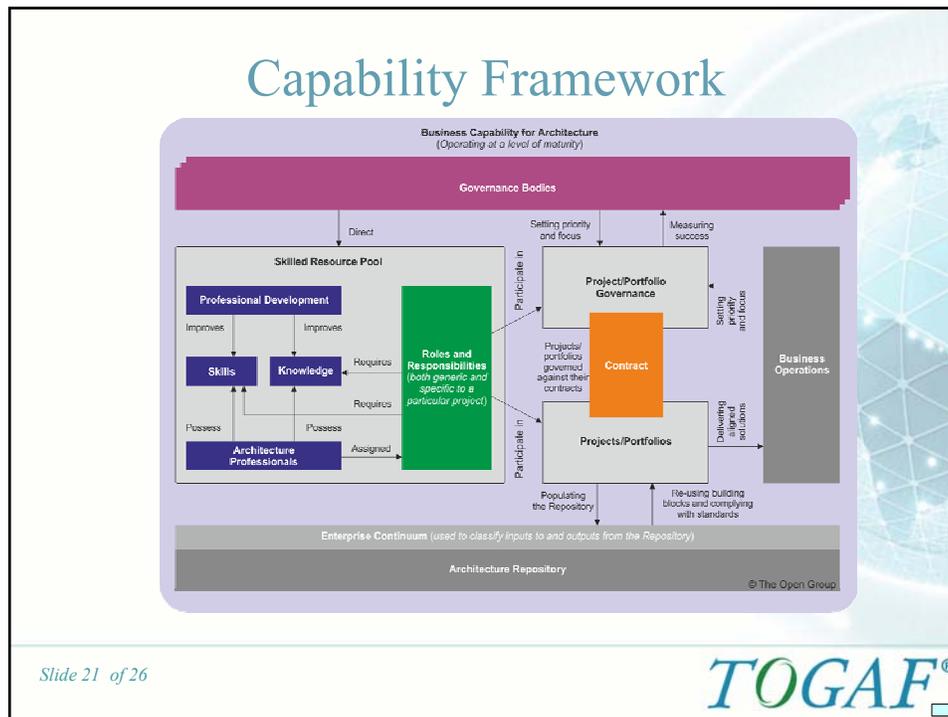
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The Integrated Information Infrastructure Reference Model (III-RM)

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Summary

- **Architecture Development Method (ADM)**
 - An iterative sequence of steps to develop an enterprise-wide architecture
- **ADM Guidelines and Techniques**
 - Guidelines and techniques to support the application of the ADM
- **Architecture Content Framework**
 - A detailed model of architectural work products, including deliverables, artifacts within deliverables, and the Architecture Building Blocks (ABBs) that deliverables represent.

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Summary

- **The Enterprise Continuum**
 - A model for structuring a virtual repository and methods for classifying architecture and solution artifacts.
 - Supported by the Architecture Repository, a model for a physical repository
- **TOGAF Reference Models:**
 - The **TOGAF Technical Reference Model (TRM)**
 - The **Integrated Information Infrastructure Model (III-RM)**.
- **The Architecture Capability Framework**
 - A structured definition of the organizations, skills, roles and responsibilities to establish and operate an Enterprise Architecture.

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Test Yourself Question

- Q: Which of the following is not considered one of the main parts of TOGAF?
- A. Architecture Development Method
 - B. Enterprise Continuum
 - C. TOGAF Reference Models
 - D. TOGAF Resource Base

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