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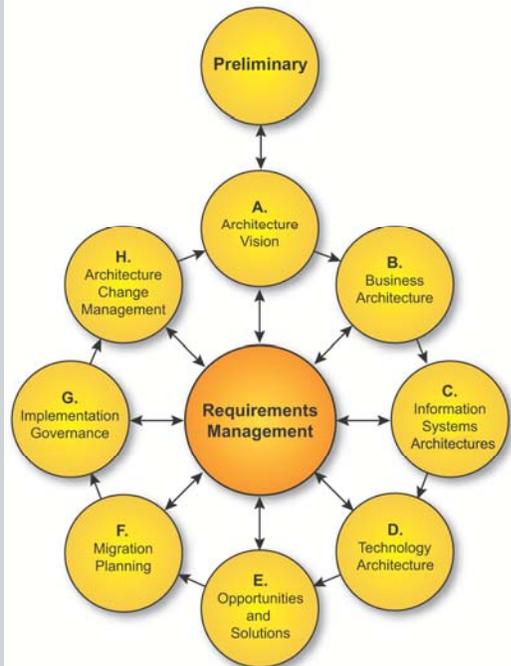
Version 9.1 Enterprise Edition

Module 3 Introduction to the Architecture Development Method

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Introduction to the Architecture Development Method (ADM)

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Module Objectives

The objectives of this module are to describe:

- The TOGAF ADM
- Its relationship to other parts of TOGAF
- The phases of the ADM
- How and why to adapt the ADM
- How to scope an architecture activity
- The need for an integration framework

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What is the TOGAF ADM?

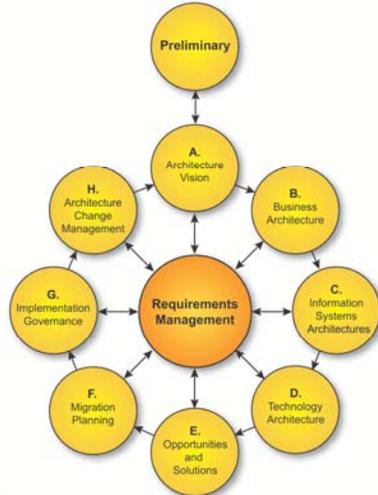
- The ADM forms the core of TOGAF
- The result of contributions from many architecture practitioners
- A process for developing an enterprise architecture
- Integrates all the elements within TOGAF
- Designed to address enterprise's business and IT needs by providing:
 - A set of architecture views (business, data, application, technology)
 - A set of recommended deliverables
 - A method for managing requirements
 - Guidelines on tools for architecture development

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Architecture Development Method – Process

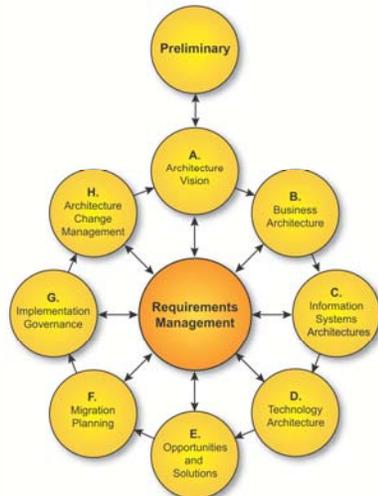


- The ADM is an iterative process:
 - Over the whole process
 - Between phases
 - Within phases
- For each iteration, re-consider:
 - Scope
 - Detail
 - Schedules, milestones

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Architecture Development Method – Process

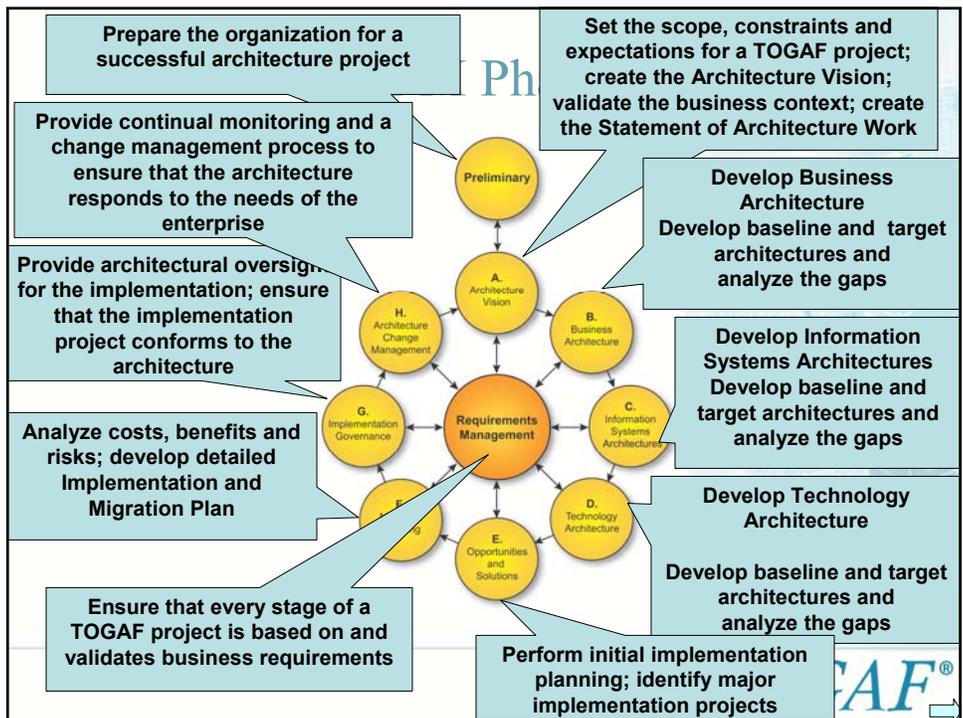
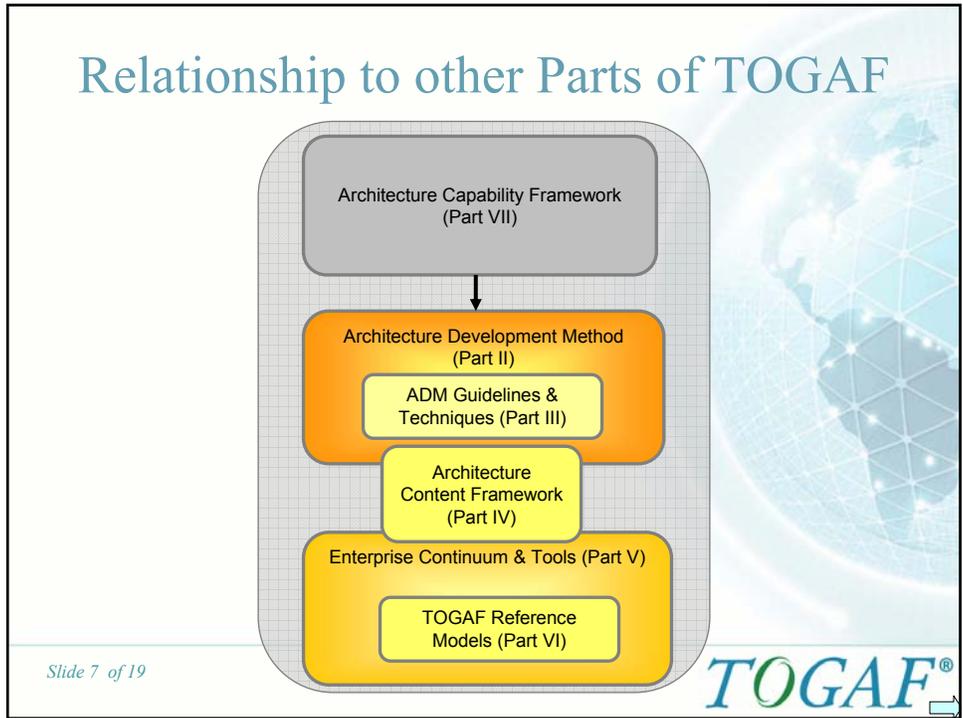


- Consider assets from:
 - Previous iterations
 - Marketplace, according to availability, competence, and value:
 - Other frameworks
 - Systems models
 - Vertical Industry models

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ADM Phase Steps Example

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ADM Inputs and Outputs

- TOGAF defines a number of input and output deliverables for each phase
 - These are suggestions and need not be followed exactly
 - Output of an early phase may be modified in a later phase
 - Version numbers are used to manage the output
 - A convention is used to illustrate the evolution of deliverables
 - 0.1 – a high level outline deliverable
 - 1.0 – a formally reviewed detailed deliverable

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Adapting the ADM

- Generic methodology intended for variable:
 - Geographies
 - Vertical sectors
 - Industry types
- Usable with deliverables of other frameworks such as Zachman, DODAF, ...
- It is usual to modify or extend the ADM to suit specific needs

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Governing the ADM

- The ADM, whether adapted or used as is, is a key process to be managed and governed
- The Architecture Board should be satisfied that the method is being applied correctly
- The management of all architectural artifacts, governance and related process should be supported by a controlled environment such as a repository

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Governance Repository

- Reference Data
- Process Status
- Audit Information

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Reasons to constrain the Scope of Architectural Activity

- The organizational authority of the team producing the architecture
- The objectives and stakeholder concerns to be addressed within the architecture
- The availability of people, finance, and other resources

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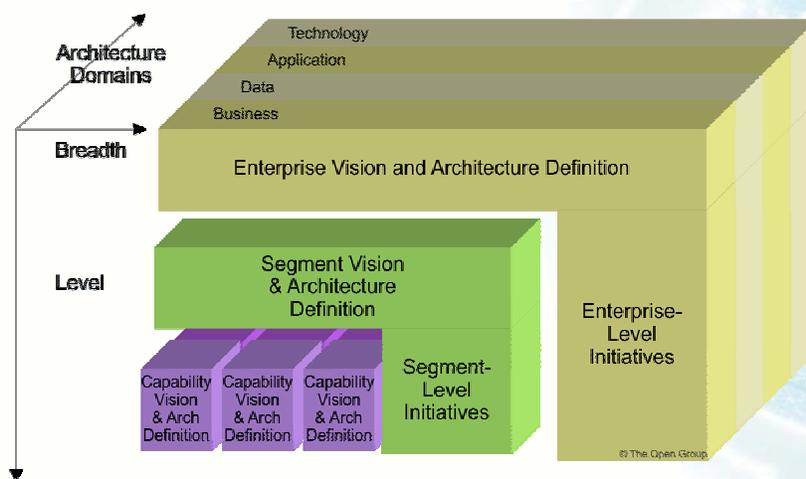
Scoping the Architecture Activity

- There are four dimensions in which scope may be limited:
 - Breadth
 - Depth
 - Time Period
 - Architecture Domains

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Architecture Integration



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Summary

- The ADM is a comprehensive, general method
- It recommends a sequence for various phases and steps involved in developing an architecture
- It is an iterative method
- It draws on the other parts of TOGAF for assets and processes
- It can be used with other deliverables from other frameworks

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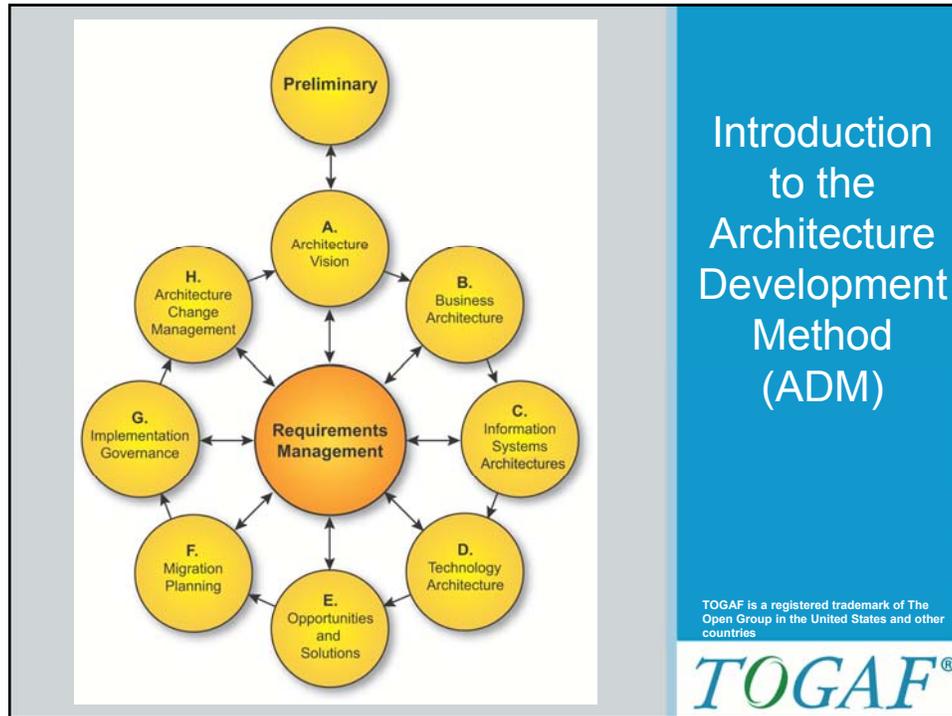
Test Yourself Question

- Q. The following statements describe the phases of the ADM, *except* ?
- A. They are cyclical.
 - B. They are iterative.
 - C. Each phase refines the scope.
 - D. Each phase is mandatory.
 - E. The phases cycle through a range of architecture views.

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