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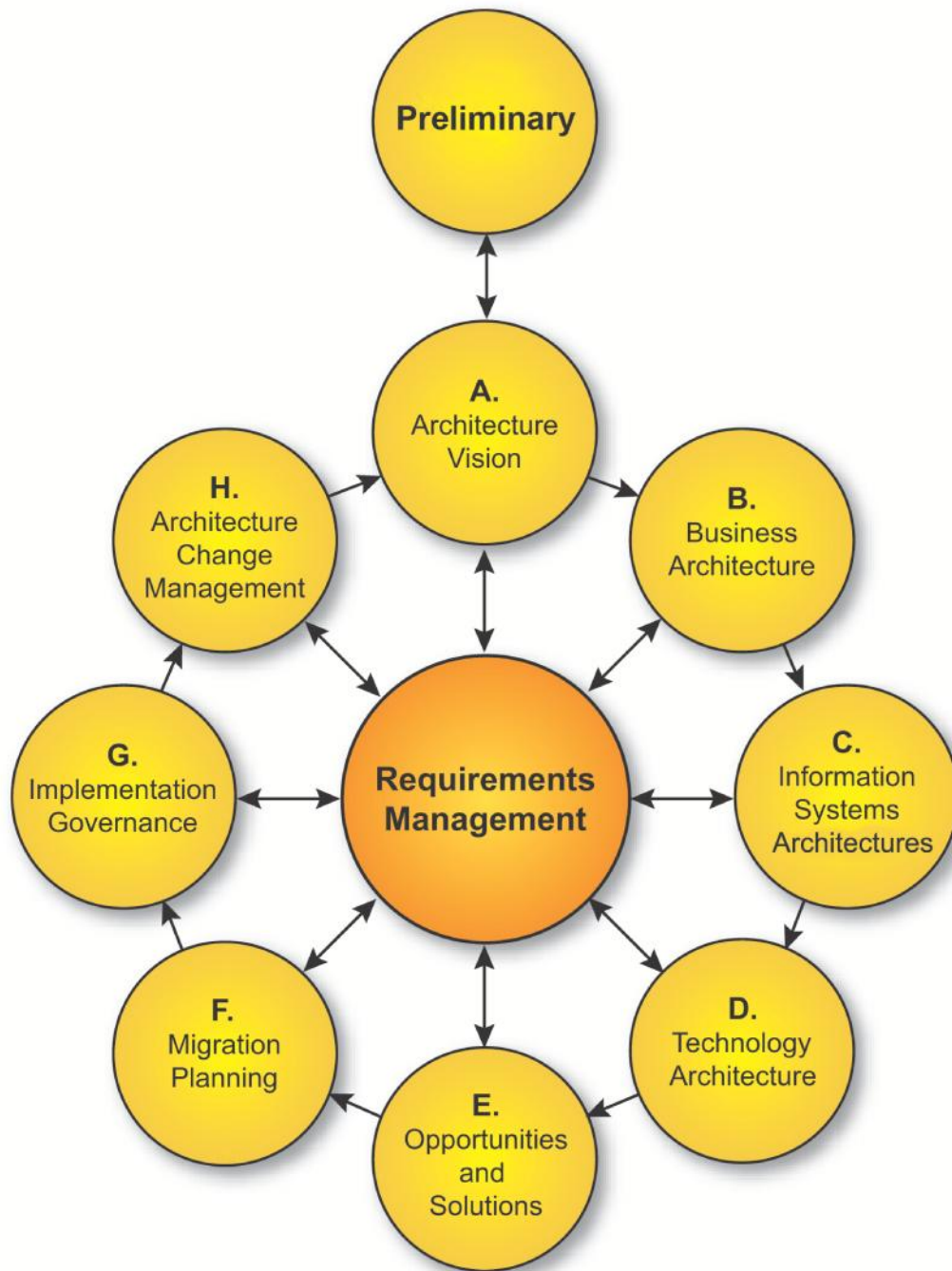
Version 9.1 Enterprise Edition

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:

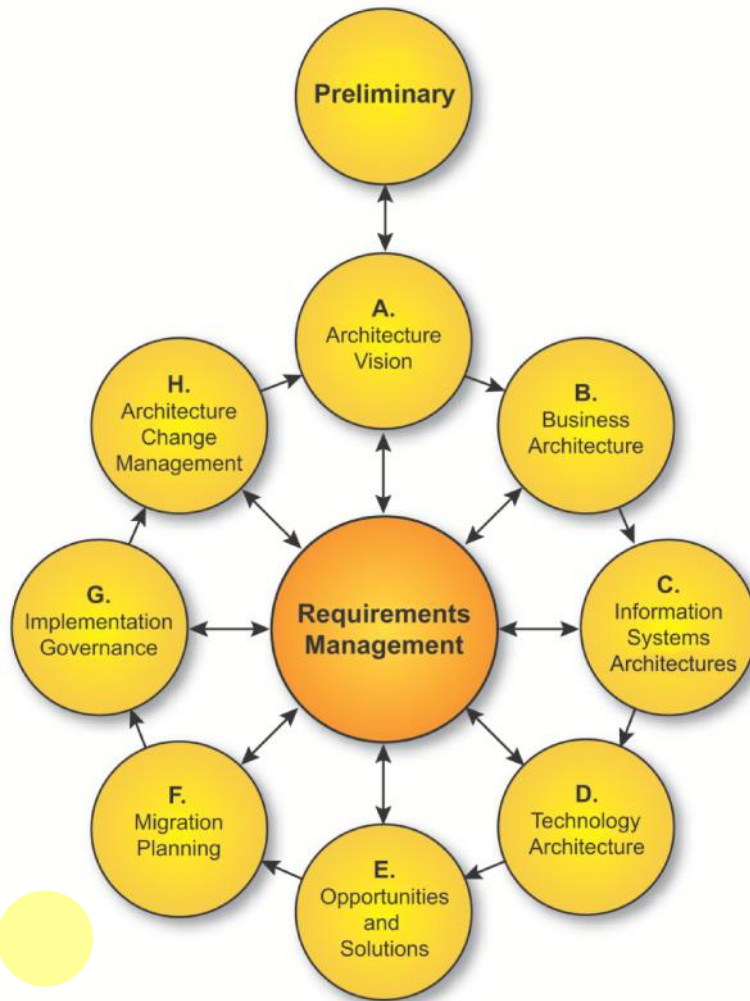
- The TOGAF ADM
- Its relationship to other parts of TOGAF
- The phases of the ADM
- How and why to adapt the ADM
- How to scope an architecture activity
- The need for an integration framework

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

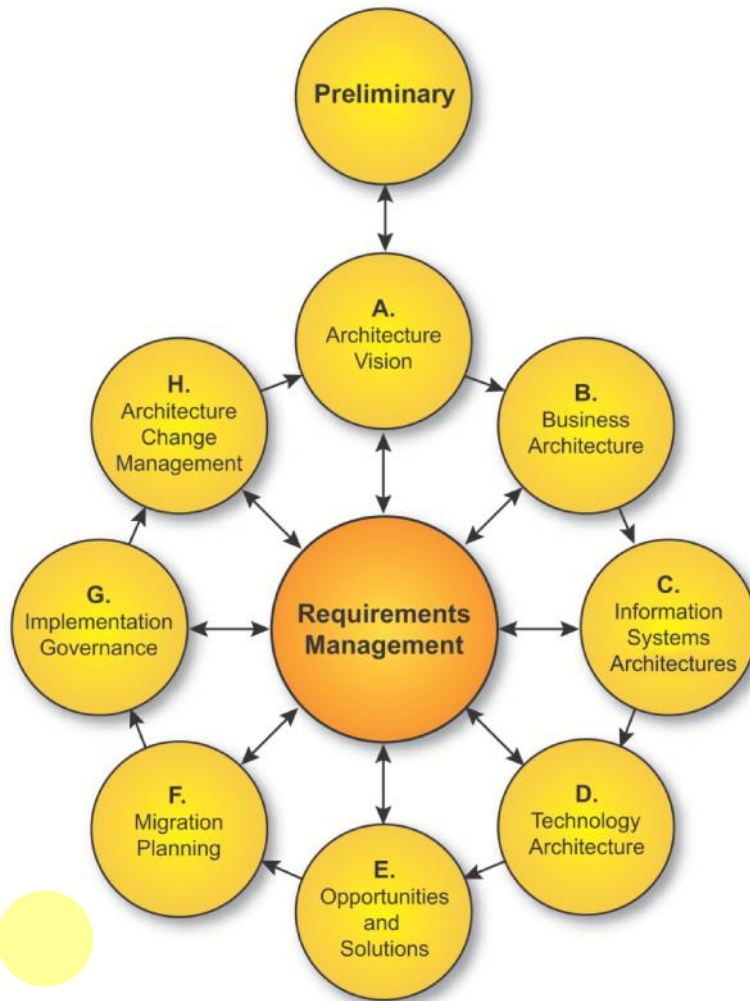


Architecture Development Method – Process



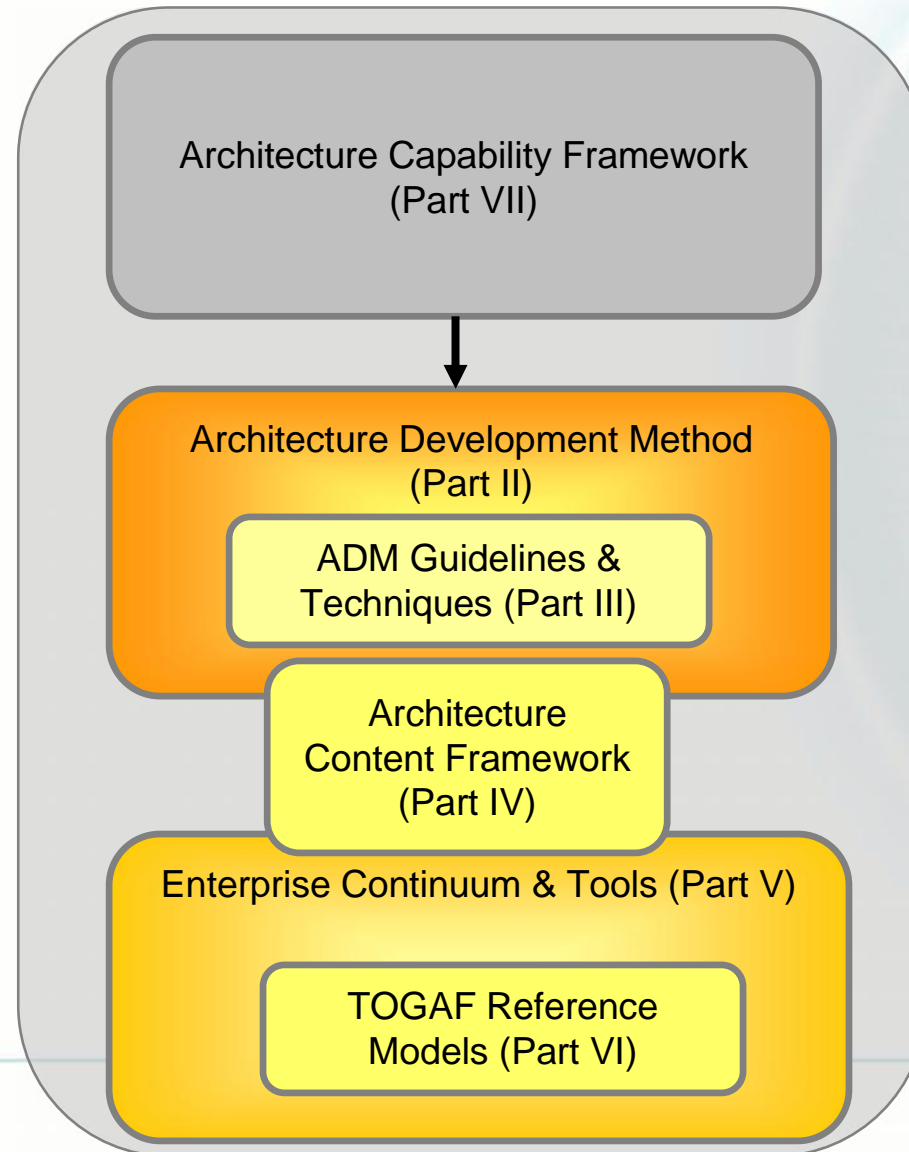
- The ADM is an iterative process:
 - Over the whole process
 - Between phases
 - Within phases
- For each iteration, re-consider:
 - Scope
 - Detail
 - Schedules, milestones

Architecture Development Method – Process



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

Relationship to other Parts of TOGAF



Ph

Prepare the organization for a successful architecture project

Set the scope, constraints and expectations for a TOGAF project; create the Architecture Vision; validate the business context; create the Statement of Architecture Work

Provide continual monitoring and a change management process to ensure that the architecture responds to the needs of the enterprise

Develop Business Architecture
Develop baseline and target architectures and analyze the gaps

Provide architectural oversight for the implementation; ensure that the implementation project conforms to the architecture

Develop Information Systems Architectures
Develop baseline and target architectures and analyze the gaps

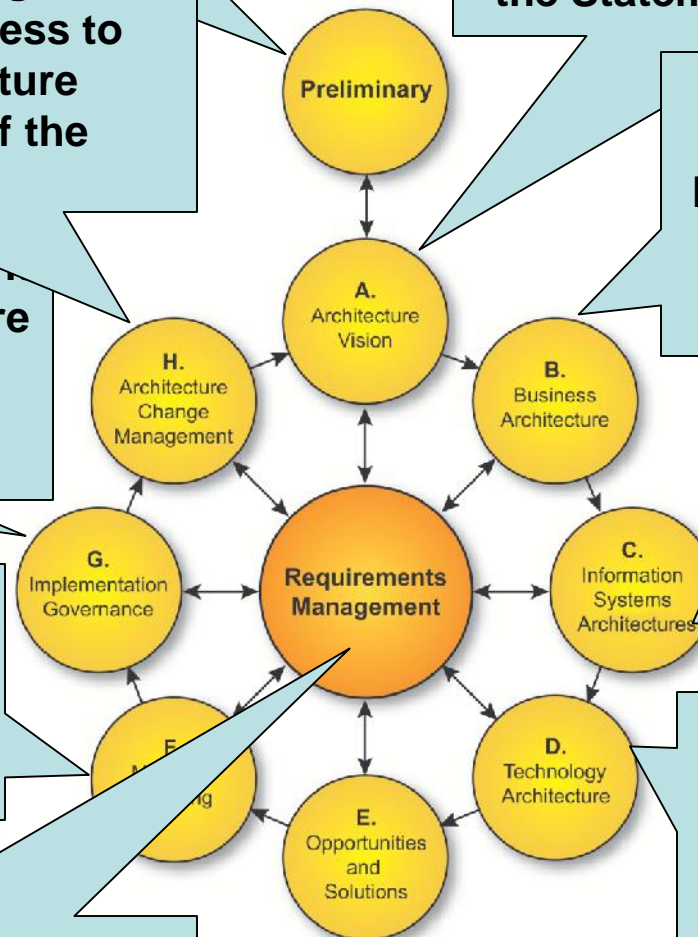
Analyze costs, benefits and risks; develop detailed Implementation and Migration Plan

Develop Technology Architecture

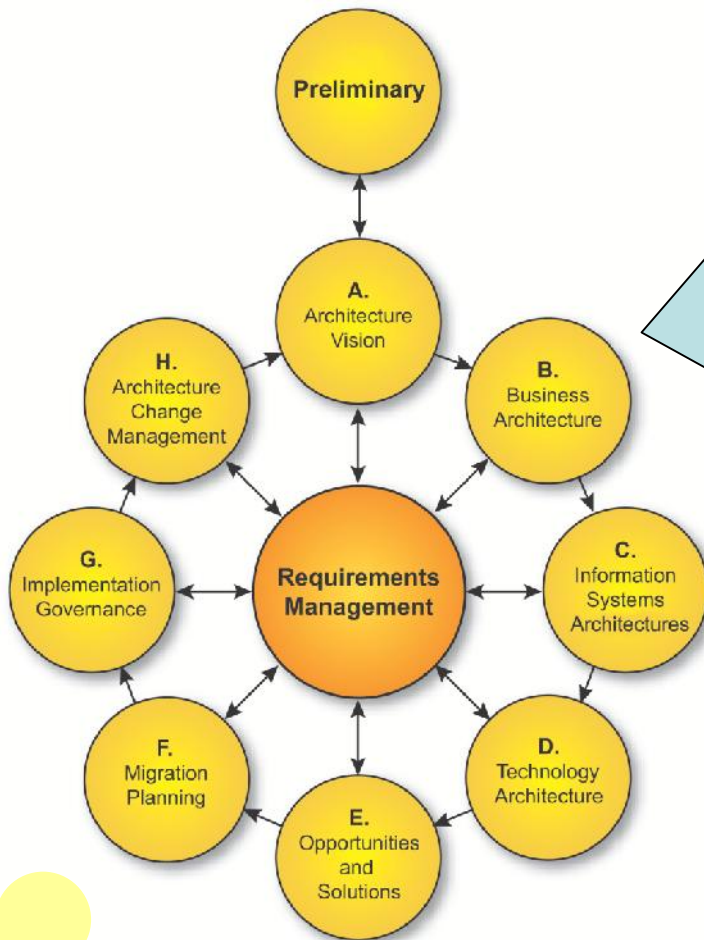
Develop baseline and target architectures and analyze the gaps

Ensure that every stage of a TOGAF project is based on and validates business requirements

Perform initial implementation planning; identify major implementation projects



ADM Phase Steps Example



The order of the steps should be adapted to the situation.

In particular you should determine whether it is appropriate to do the Baseline Business Architecture or Target Business Architecture development first

Steps

9. Create Architecture Definition Document
8. Finalize the **Business** Architecture
7. Conduct formal stakeholder review
6. Resolve Impacts across the Architecture Landscape
5. Define candidate roadmap components
4. Perform gap analysis
3. Develop Target **Business** Architecture Description
2. Develop Baseline **Business** Architecture Description
1. Select reference models, viewpoints, and tools

Slide 8 of 33

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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

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



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



Governance Repository

- Reference Data
- Process Status
- Audit Information



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

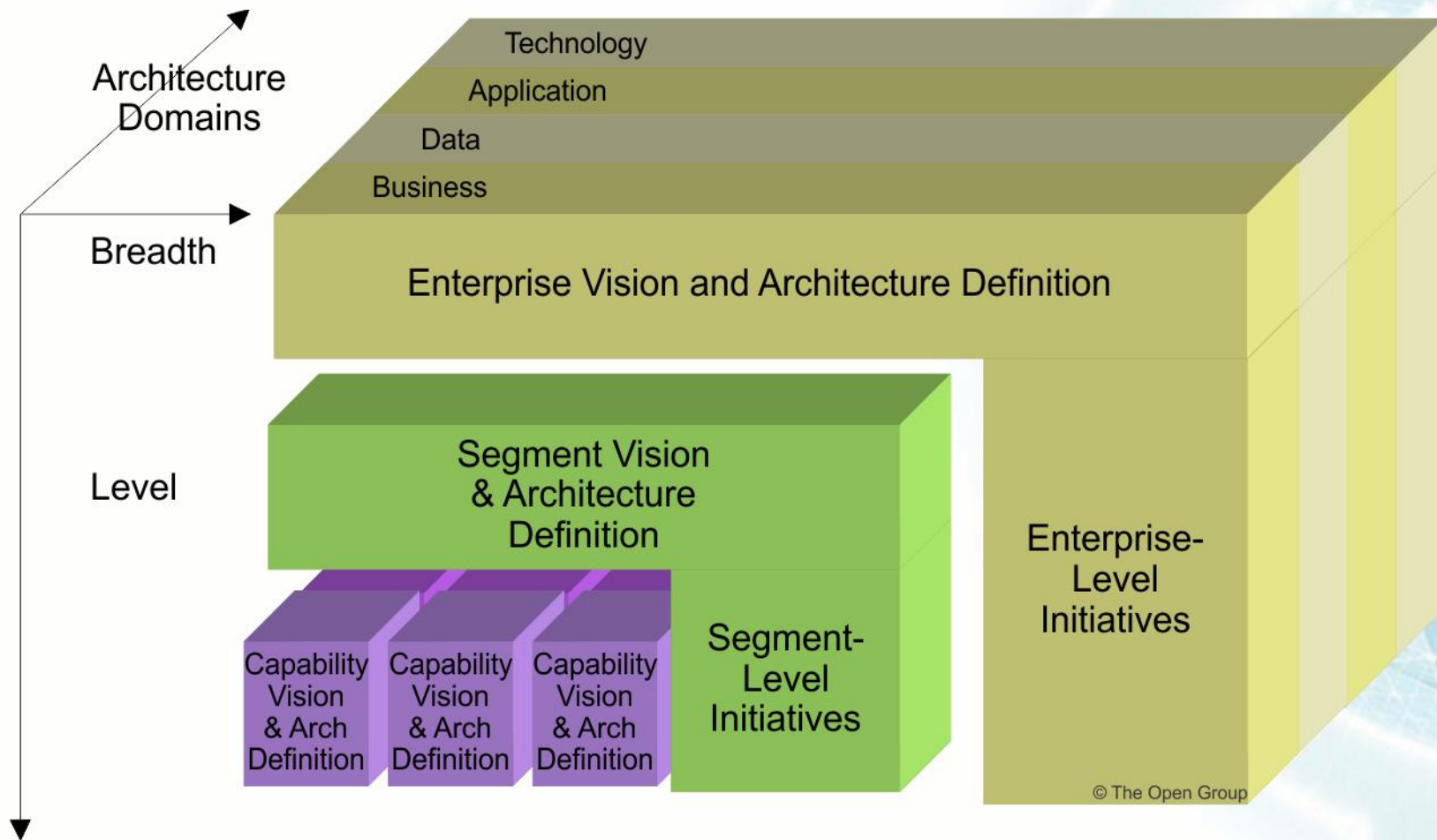


Scoping the Architecture Activity

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



Architecture Integration

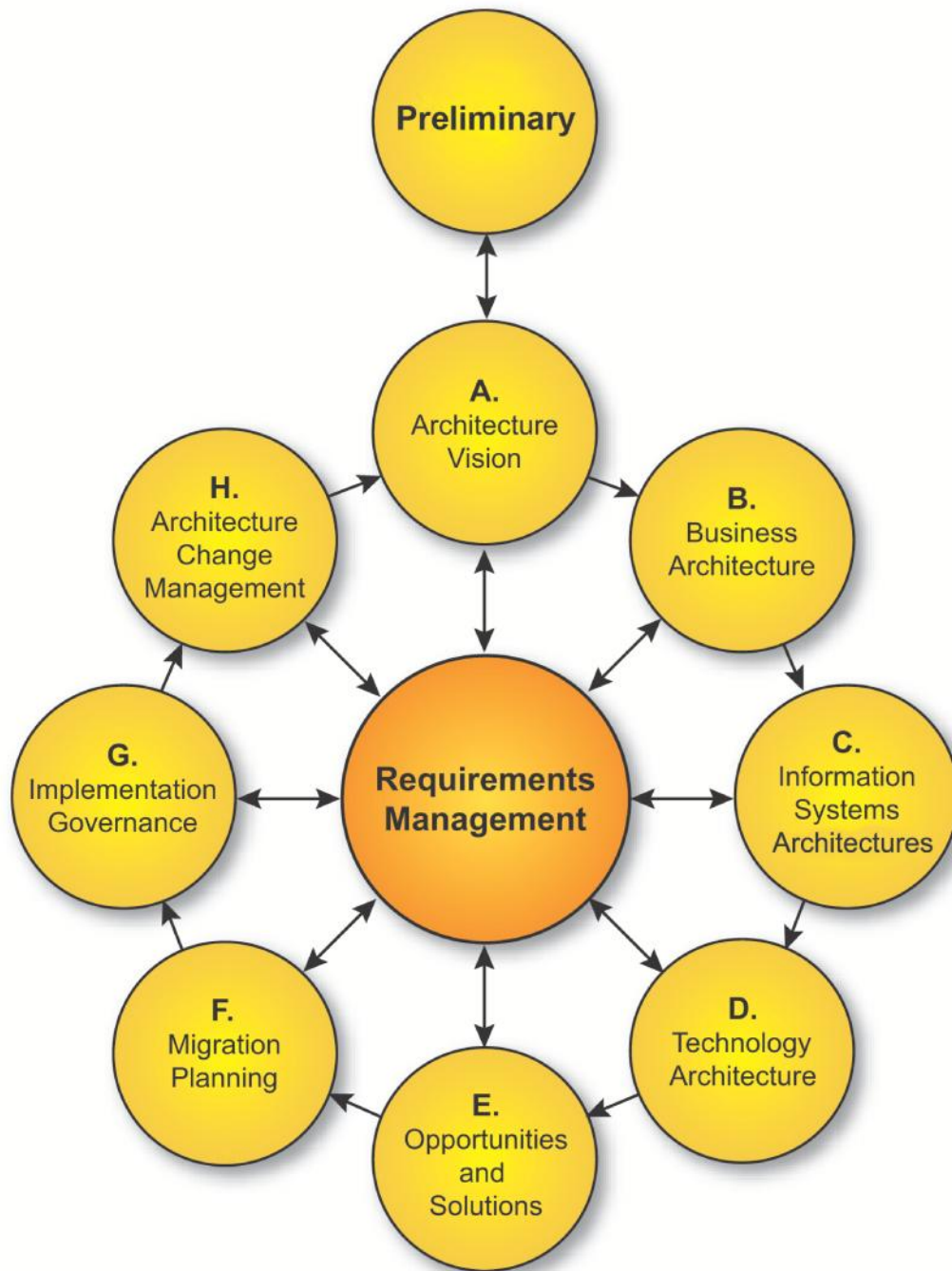


Summary

- 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

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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