

TOGAF™ : A Comprehensive Overview

THE *Open* GROUP

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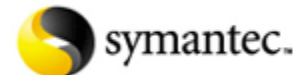
Agenda

- ❑ Open Group *Fast Facts* and Vision
- ❑ Background on TOGAF™
- ❑ TOGAF™ Version 9
- ❑ TOGAF™ 9 Certification
- ❑ Q&A

The Open Group: Fast Facts

- ❑ Consortium > 25 years
- ❑ Over 7,800 participants from 350 member enterprises
- ❑ Vendor neutral ***1 member – 1 vote***
- ❑ Technology neutral
- ❑ A trusted partnership between end user enterprises (Customers) and suppliers of IT products and services (Suppliers)
- ❑ Driven by what members want to work on

The Open Group Members – Sample

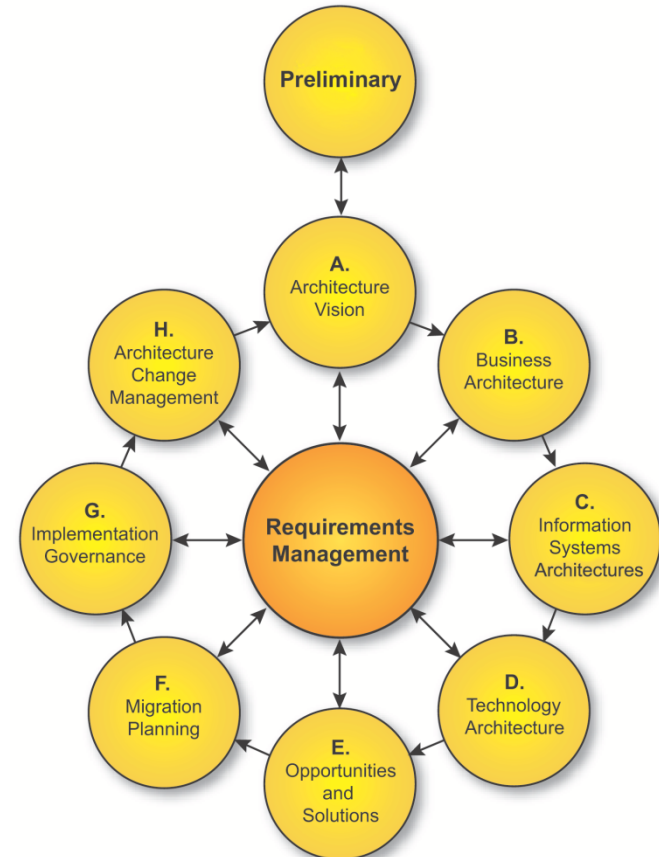


Open Group Vision

- ❑ ***Boundaryless Information Flow™*** achieved through global interoperability in a secure, reliable and timely manner
- ❑ ***Enterprise Architecture*** is a critical element for making the vision a reality

What is TOGAF™?

- ❑ **TOGAF™ is a framework for delivering Enterprise Architecture**
 - A customer initiative rooted in best practices
 - A framework, not an architecture
 - A generic framework for developing architectures to meet different business needs
 - Not a “one-size-fits-all” architecture
 - Originally based on TAFIM (U.S. DoD)



TOGAF 9

Member (End User) Driven

- Customer members demand architecture standards ...
 - Customer members select TAFIM as preferred starting point...
 - DoD Information Systems Agency (DISA) donate TAFIM as base
 - TOGAF first published
 - TOGAF 7 – Technical Edition
 - TOGAF 9 Enterprise Edition
 - TOGAF 8.1.1
 - TOGAF 8 – Enterprise Edition
First TOGAF Certification Program Launched
 - The Interoperable Enterprise Business Scenario first published
-

Why TOGAF?

A comprehensive general method

Vendor, tool and technology neutral open standard

Complementary to, not competing with, other frameworks

Avoids re-inventing the wheel

Widely adopted in the market

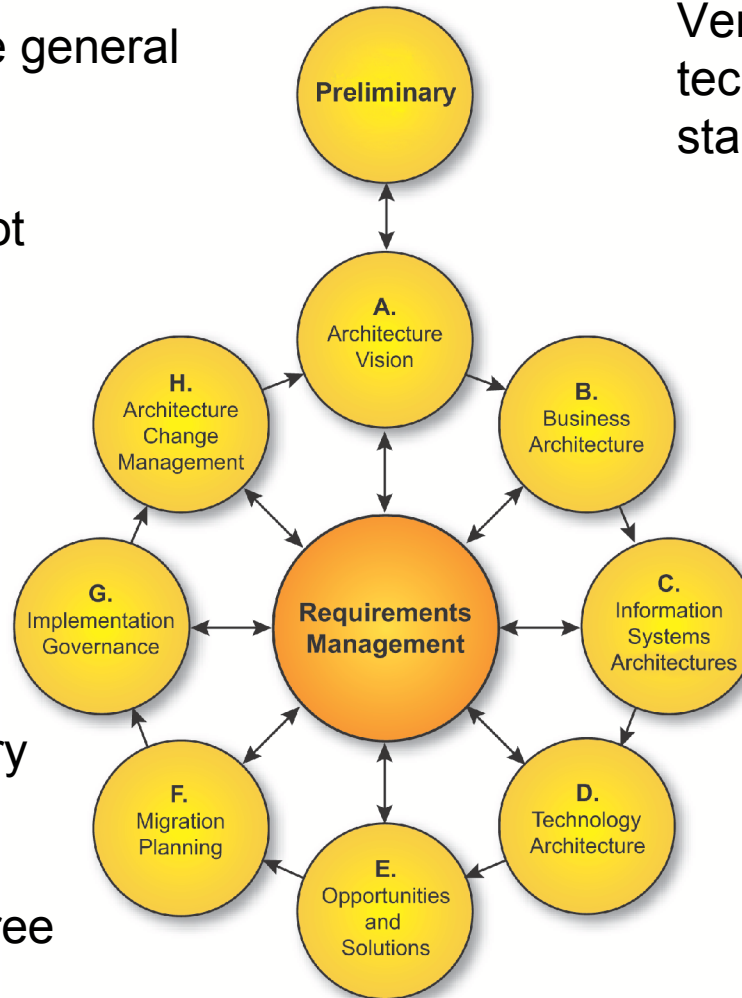
Business IT alignment

Tailorable to meet an organization and industry needs

Based in best practices

Available under a free perpetual license

Possible to participate in the evolution of the framework

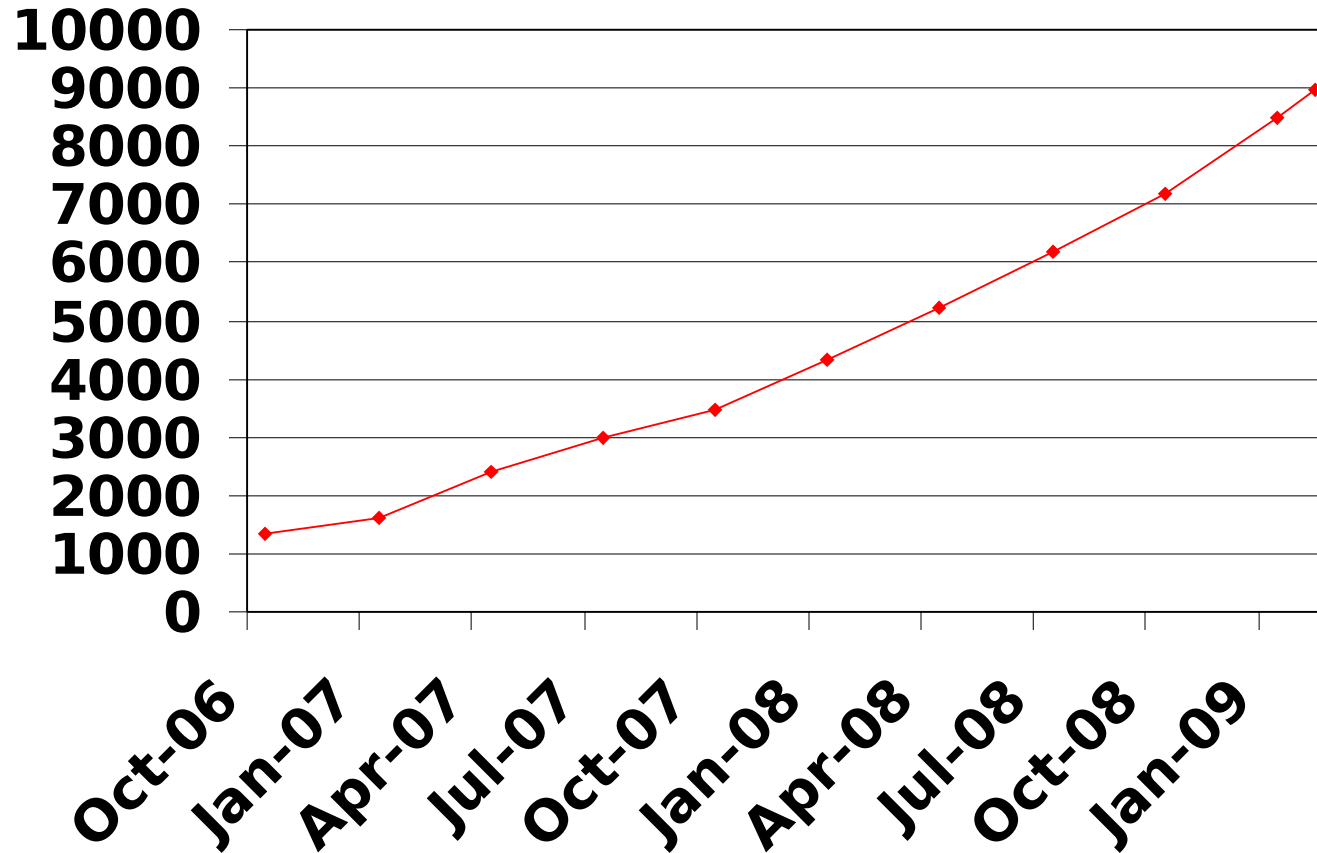


TOGAF™ Momentum

- ❑ More than 90,000 downloads
- ❑ Over 9,000 certified practitioners
 - 529% growth since October 2006
- ❑ More than 200 corporate members of The Open Group Architecture Forum
- ❑ Over 23,000 TOGAF™ series books shipped
- ❑ Association of Open Group Enterprise Architects membership at more than 8,500

TOGAF Certified Status

Data as of
12th Feb
2009

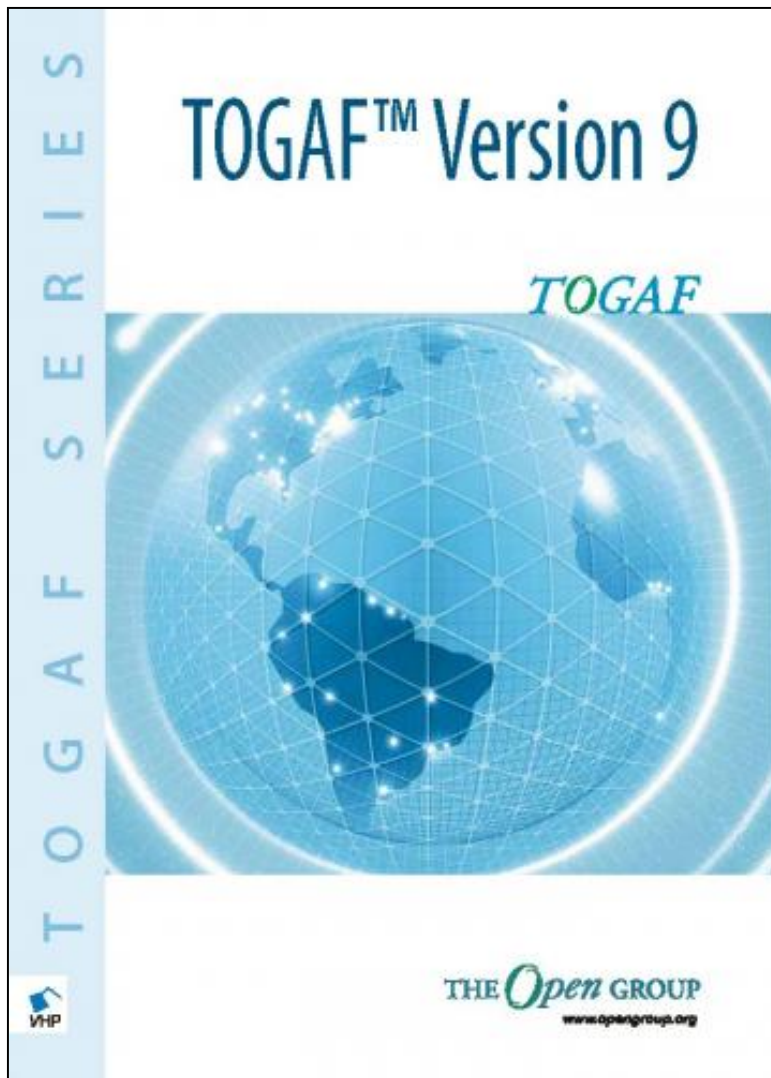


TOGAF™ 9 Market Drivers

- ❑ Ongoing quest for Boundaryless Information Flow™
- ❑ In a survey of members, the three most prominent views:
 - The need for closer alignment with the business
 - The desire for simple implementation, greater usability
 - The next version of TOGAF should be an evolution rather than a revolution
- ❑ Consideration for different architectural styles, e.g. SOA
- ❑ Security is an increasing concern for CIOs and Enterprise Architects due to disappearance of traditional boundaries
- ❑ Need for greater detail on Architecture Development Method (ADM)

Introducing TOGAF™ 9

- ❑ Developed, reviewed and approved by a collaborative of 300 members from some of the world's leading IT customers and vendors
- ❑ An evolution from TOGAF 8.1.1 that preserves existing investments
 - The core Architecture Development Method
 - Existing investment in people - knowledge and skills
 - Existing investment in tools
- ❑ Expanded detail and clarification of existing proof points
- ❑ Restructured for better usability
- ❑ More focused on holistic enterprise change
- ❑ Clear links between business and IT objects
- ❑ Increased consistency of output



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

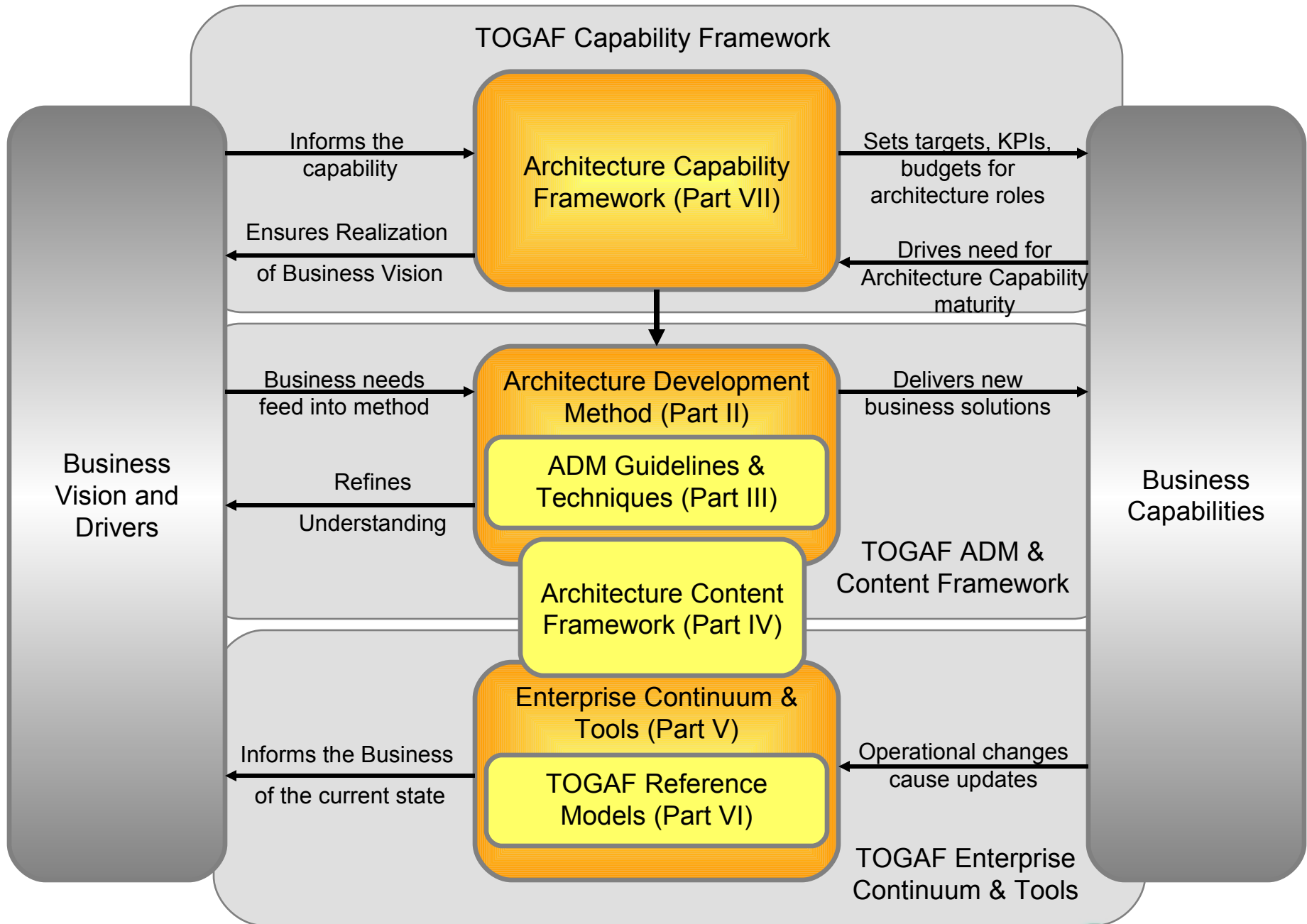
Architecture Compliance

Architecture Contracts

Architecture Governance

Architecture Maturity Models

Architecture Skills Framework



Modular Structure

- ❑ Logically segmented structure
- ❑ Promotes greater usability
- ❑ Encourages incremental adoption
- ❑ Supports evolutionary release management for TOGAF

The TOGAF 9 Components

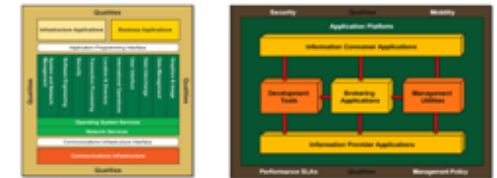
ADM



Architecture Content Framework



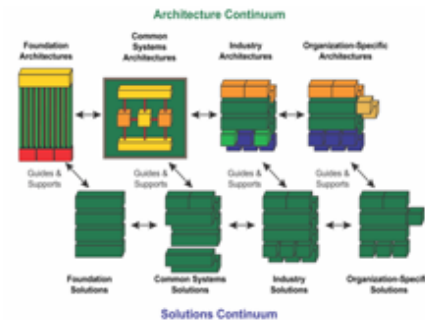
Reference Models



ADM Guidelines & Techniques



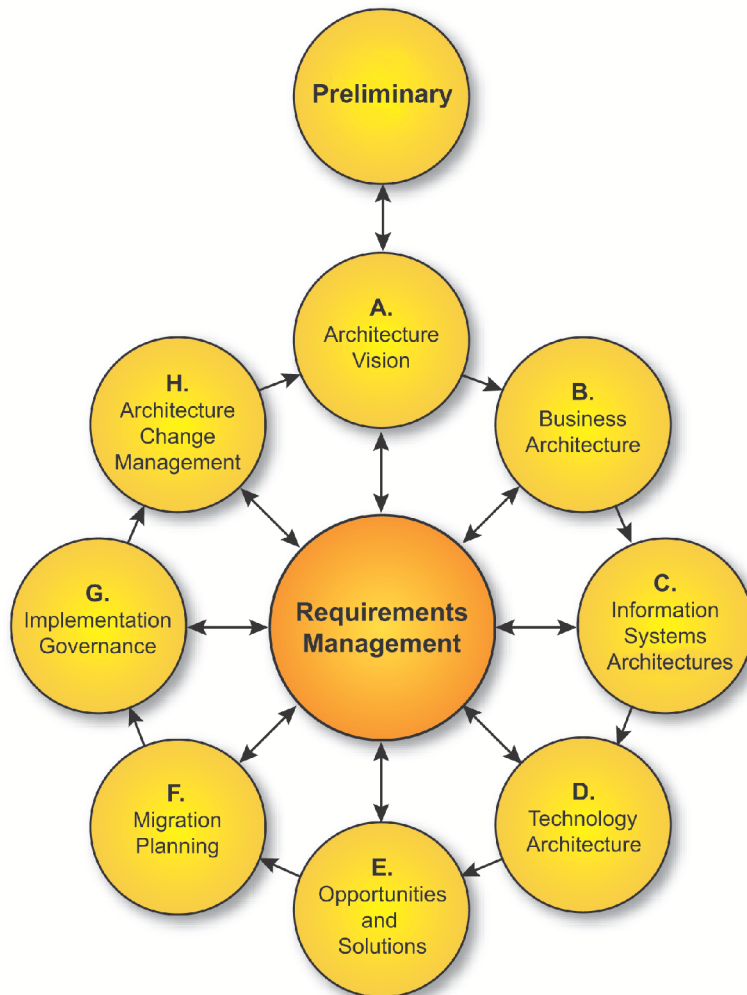
Enterprise Continuum



Architecture Capability Framework

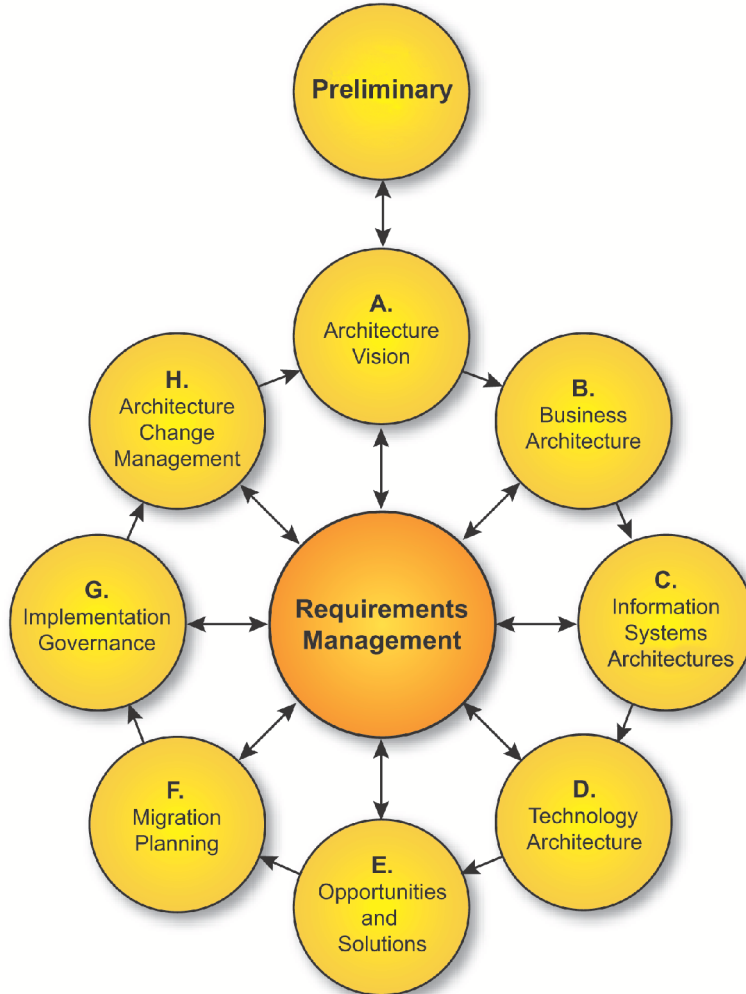


The Architecture Development Method



- ❑ The core of TOGAF
- ❑ A proven way of developing an architecture
- ❑ Specifically designed to address business requirements
- ❑ An iterative method
- ❑ A set of architecture views to ensure that a complex set of requirements are adequately addressed

ADM – Basic Principles



An iterative method, over the whole process, between phases and within phases

Each iteration = new decisions:

- Enterprise coverage

- Level of detail

- Time horizon

Architecture asset re-use:

- previous ADM iterations

- other frameworks, system

- models, industry models,...

Decisions based on:

- Competence / resource availability

- Value accruing to the enterprise.

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

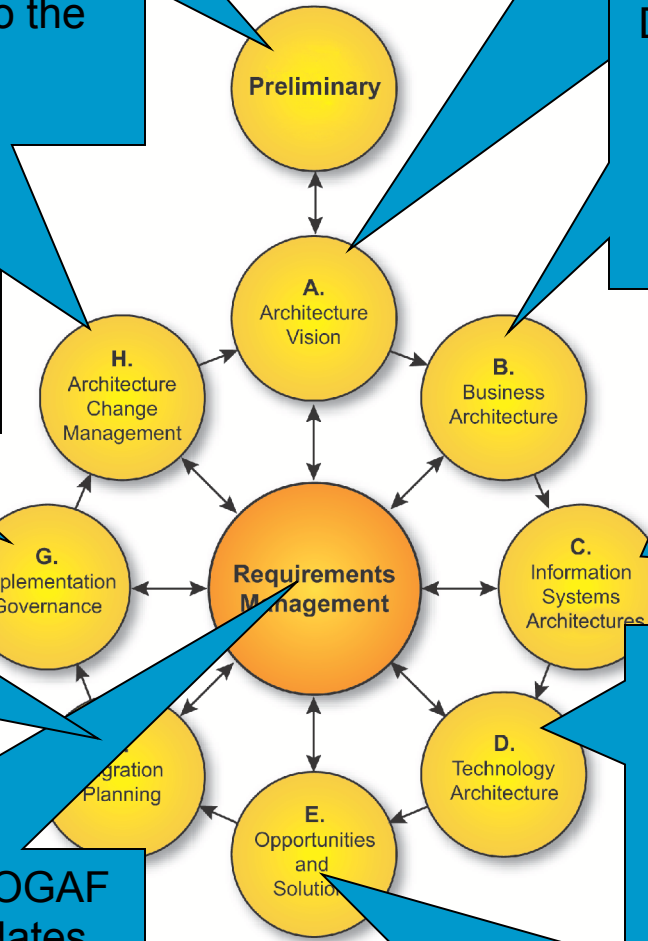
Analyze costs, benefits and risks; develop detailed Implementation and Migration Plan

Develop Technology Architecture

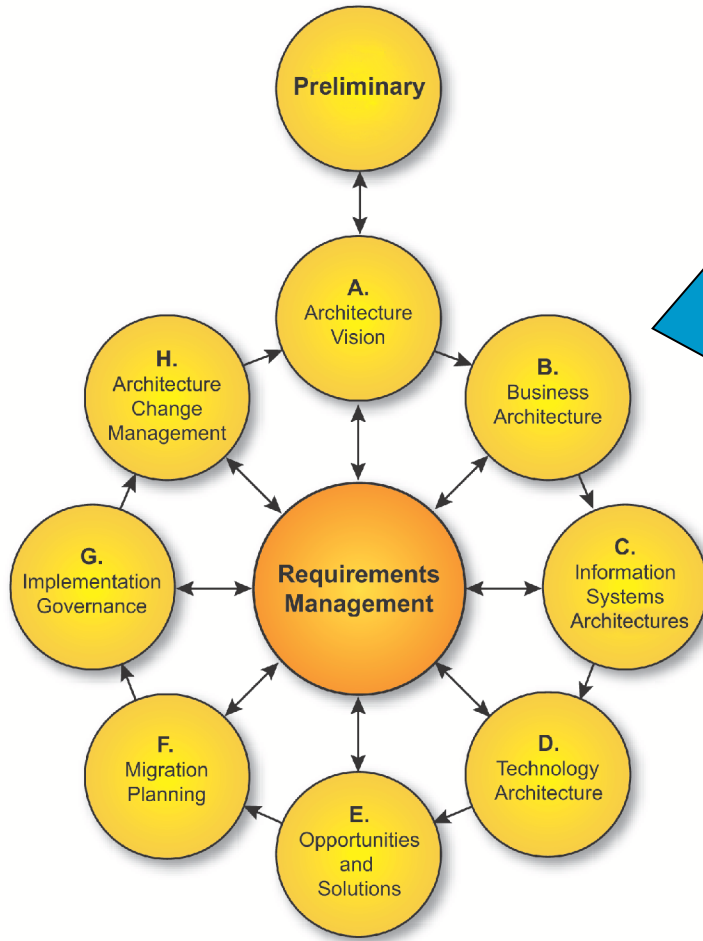
Develop baseline and target architectures and analyze the gaps

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

Phase B Steps

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

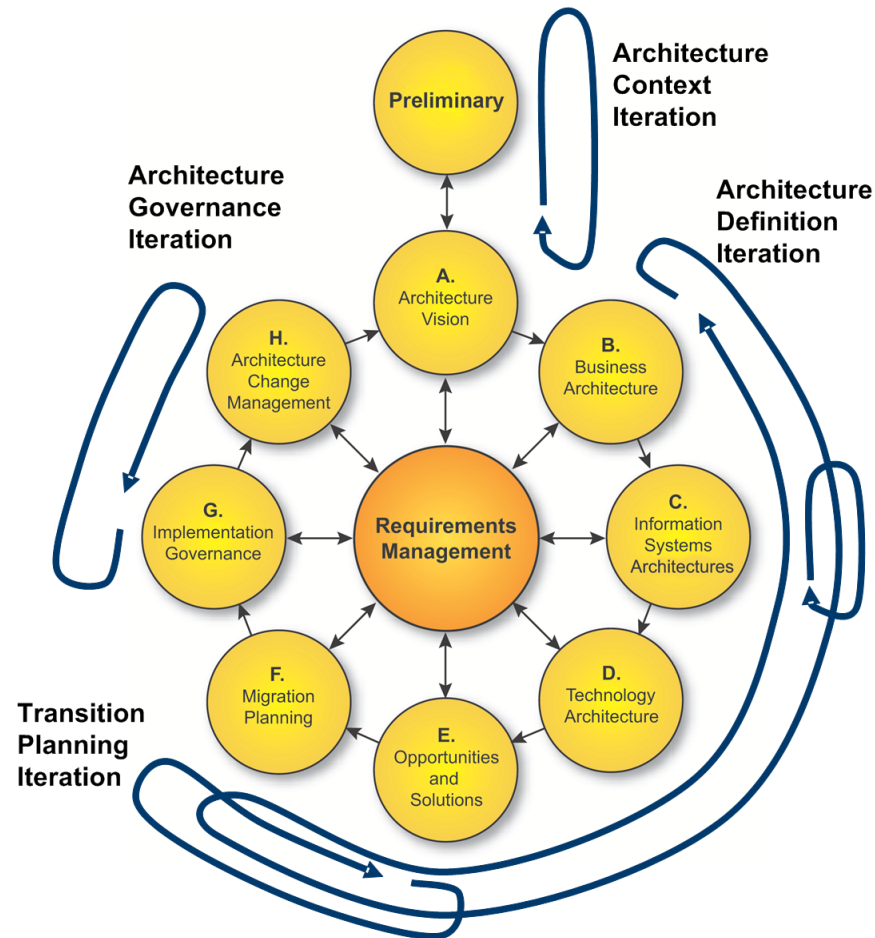
Slide 10 of 14

TOGAF™

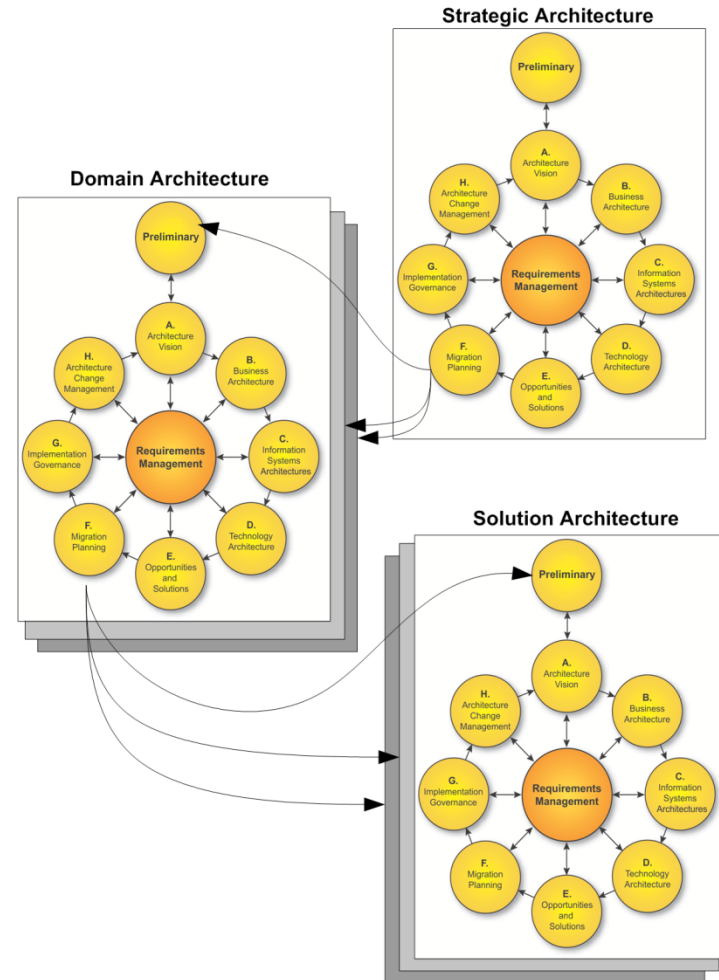
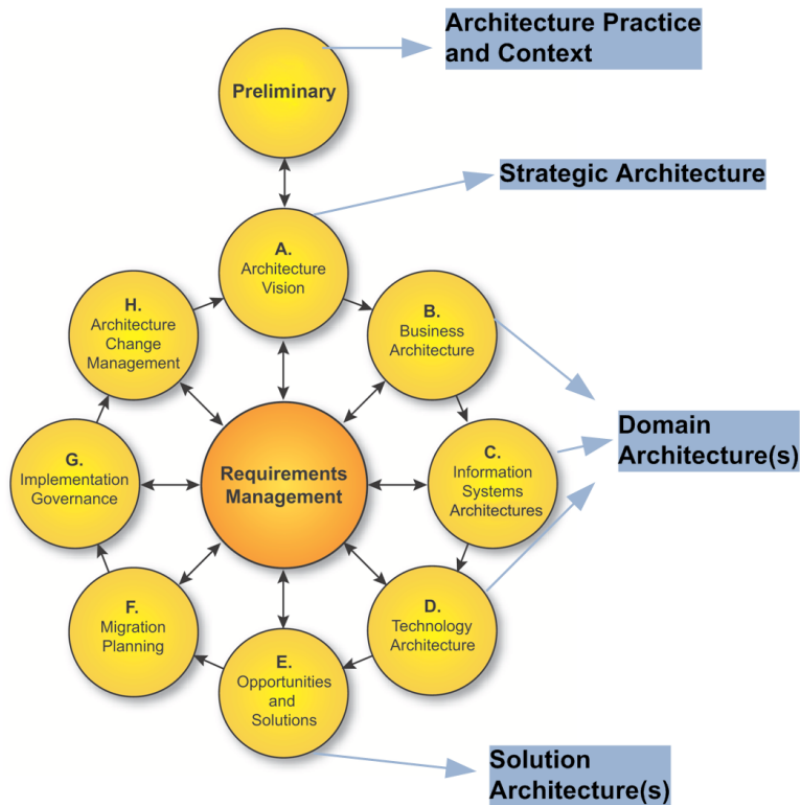
Explicit Consideration of Architectural Style

- ❑ Part III: ADM Guidelines and Techniques provides guidance on how to apply the ADM in specific situations
 - Applying iteration to the ADM
 - Applying the ADM at different enterprise levels
 - Security architecture and the ADM
 - Using TOGAF to define and govern SOA
- ❑ Simplifies usability

Applying Iteration to the ADM



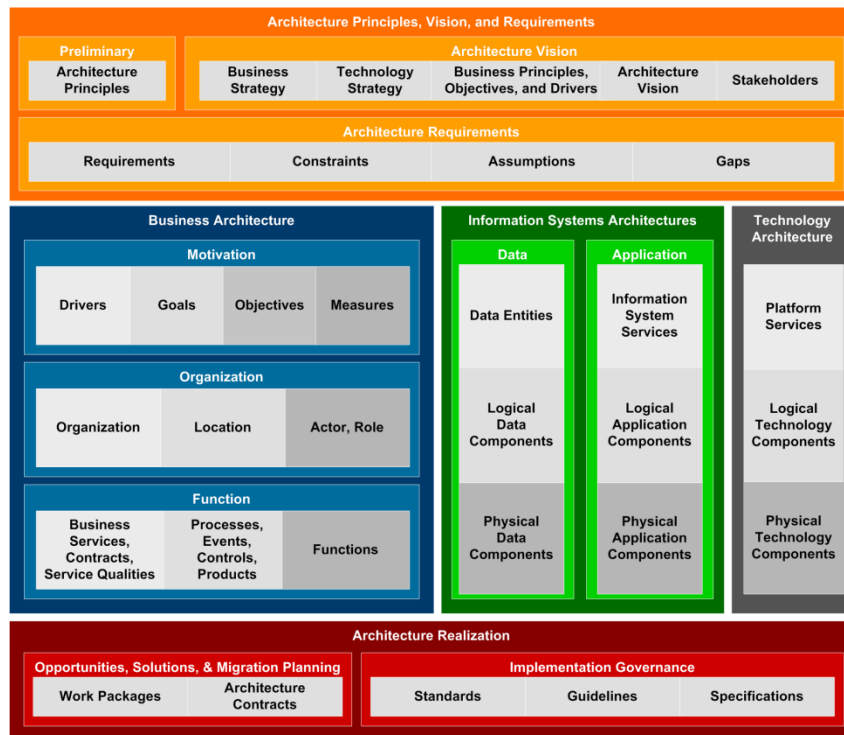
Applying the ADM at Different Levels

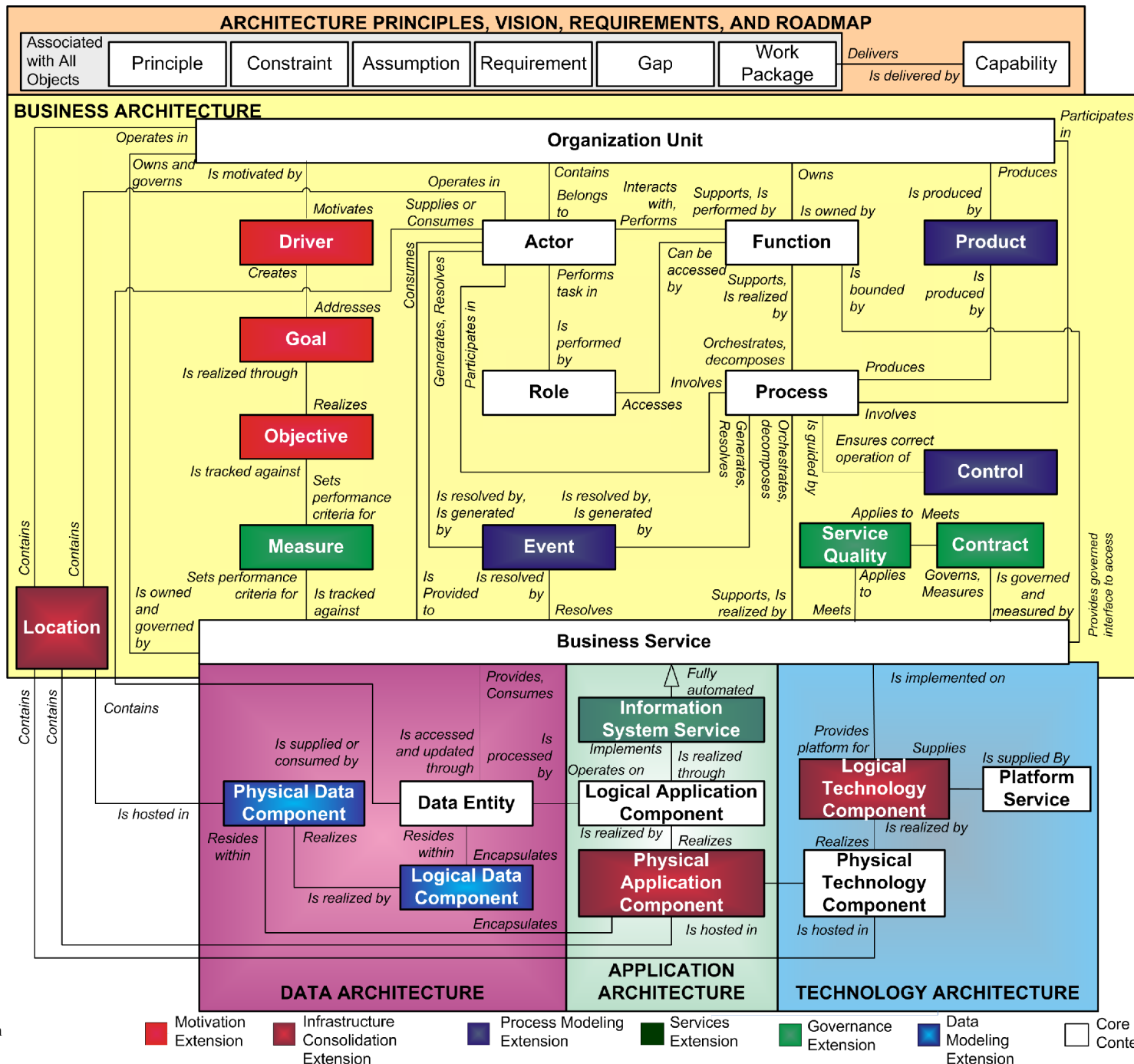


Architecture Content Framework

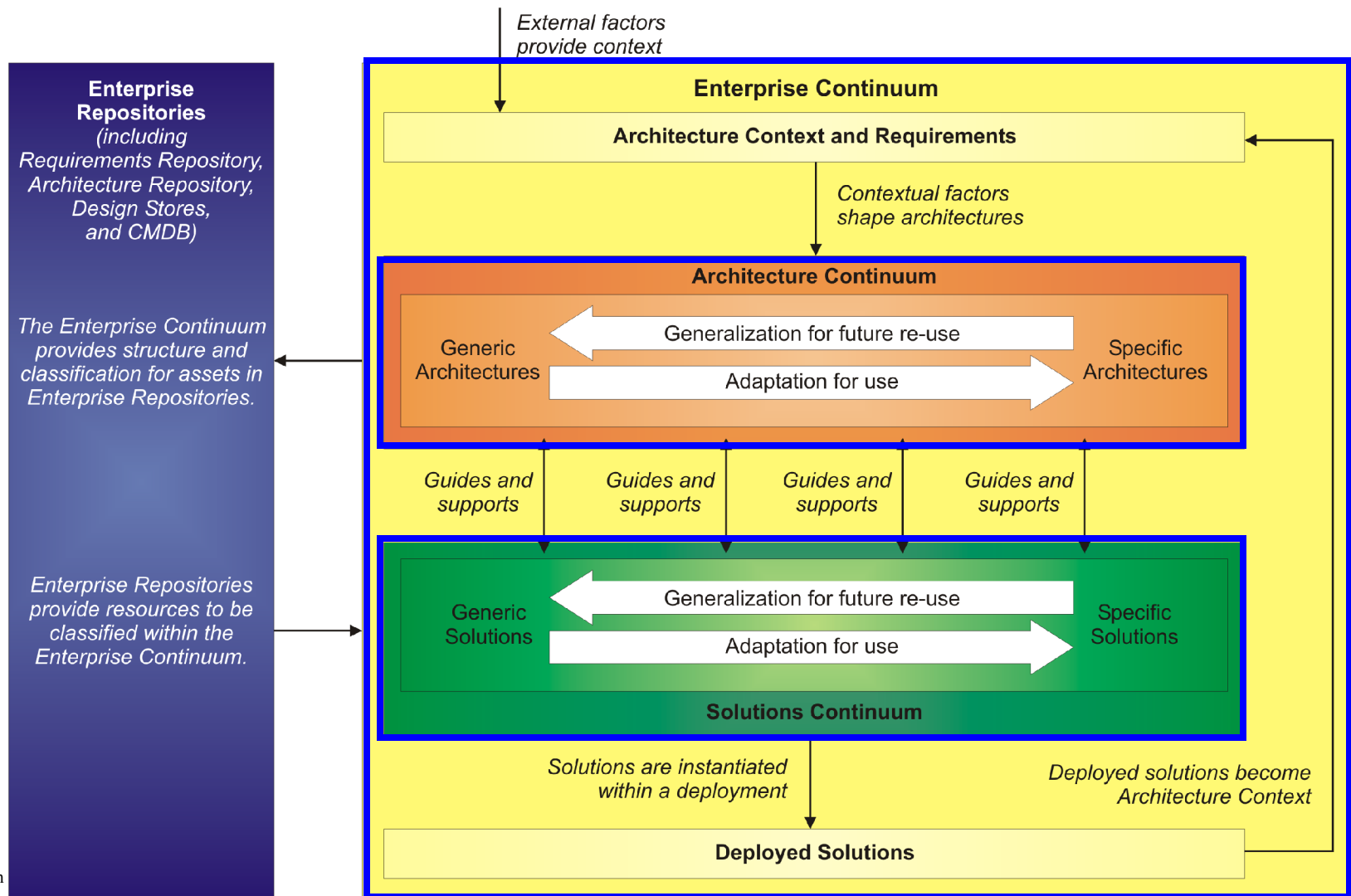
■ Significant addition to TOGAF 9 that provides:

- a structured metamodel for architectural artifacts
- consistent use of architecture building blocks
- a comprehensive checklist of architecture outputs
- an overview of typical architecture deliverables
- better integration of architectural work products
- a detailed open standard for describing architectures



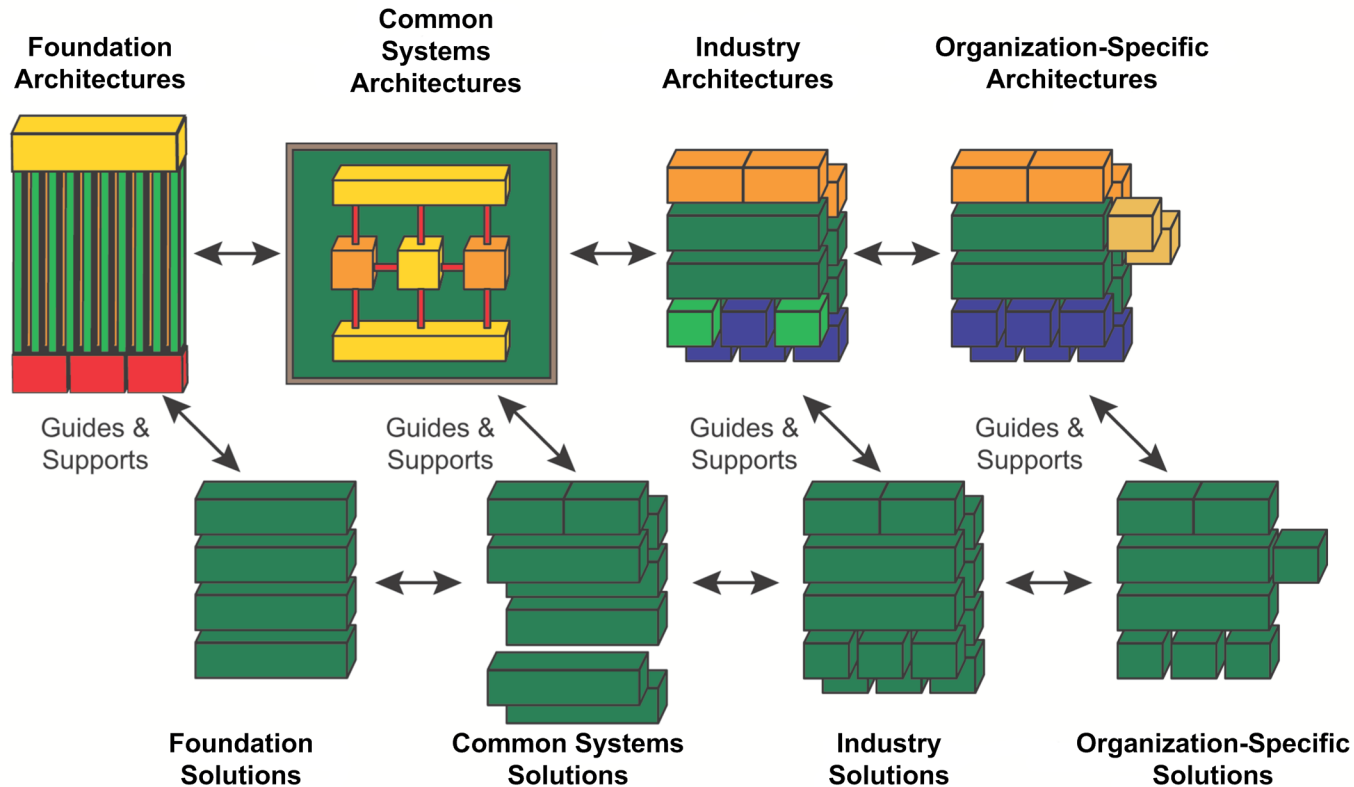


Enterprise Continuum



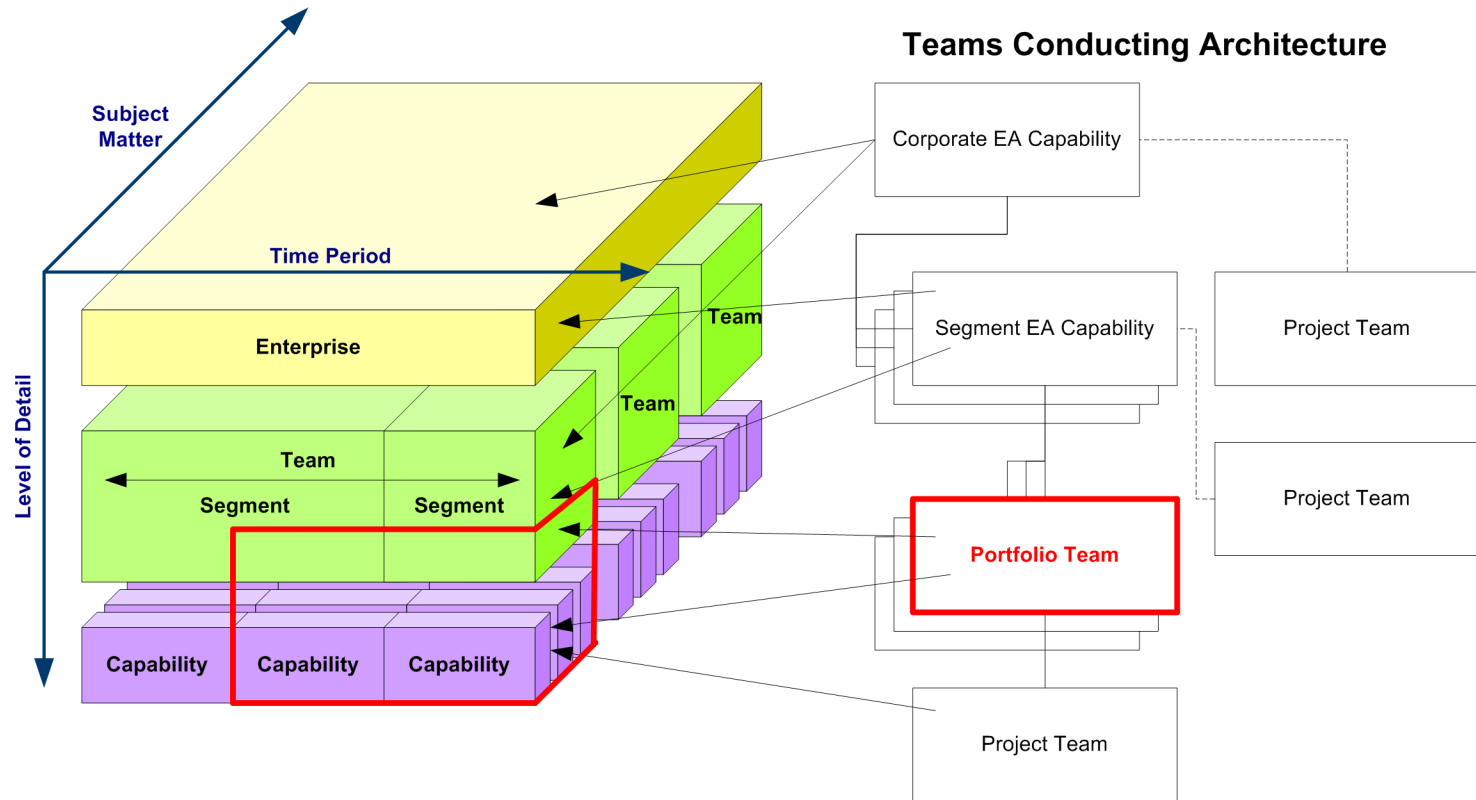
The Enterprise Continuum

Architecture Continuum



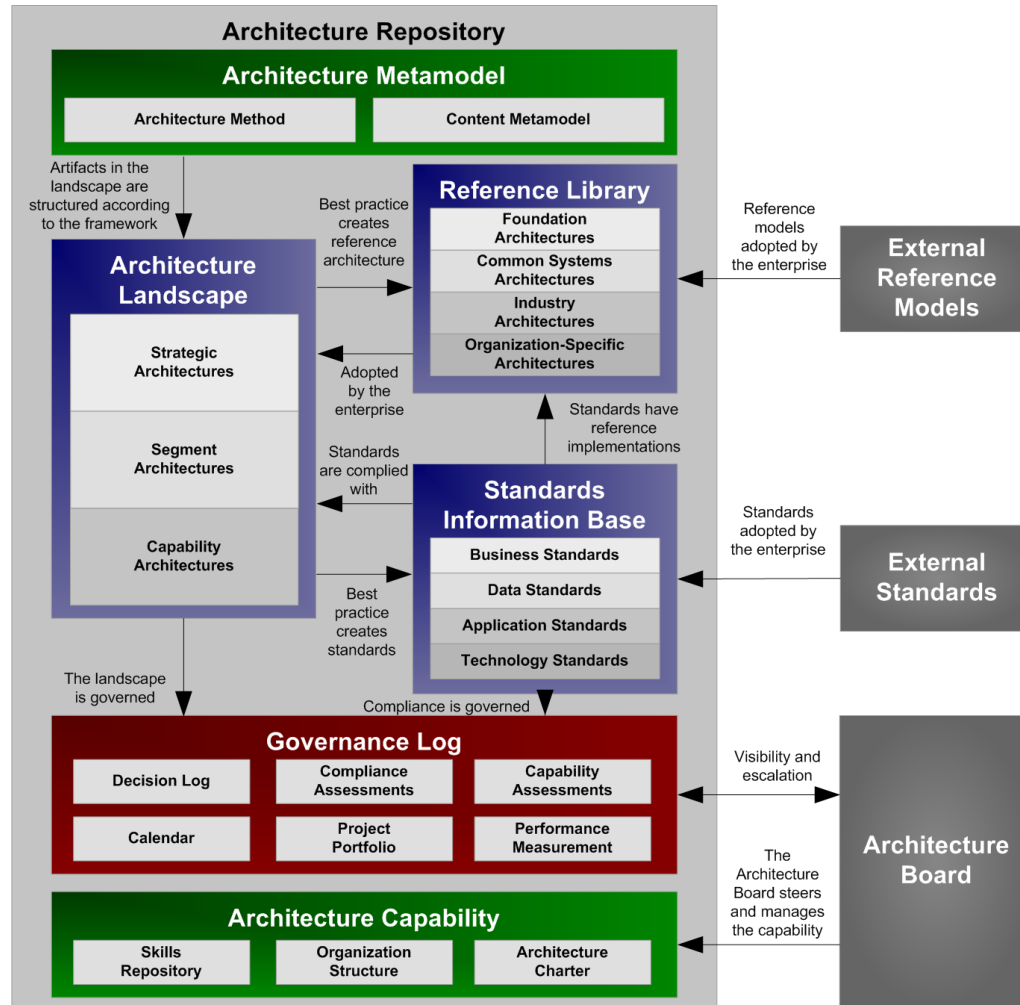
Solutions Continuum

Partitioning



Allows for management of costs and complexity by dividing up the Enterprise and assigning appropriate roles and responsibilities to each partition

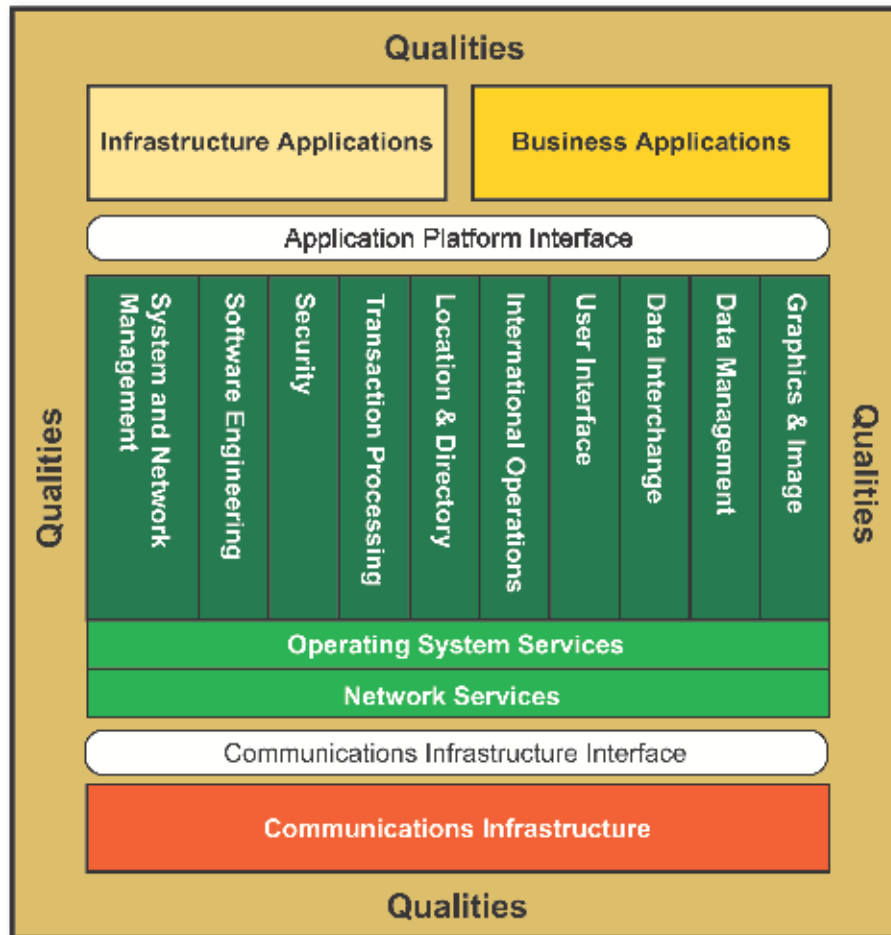
Architecture Repository



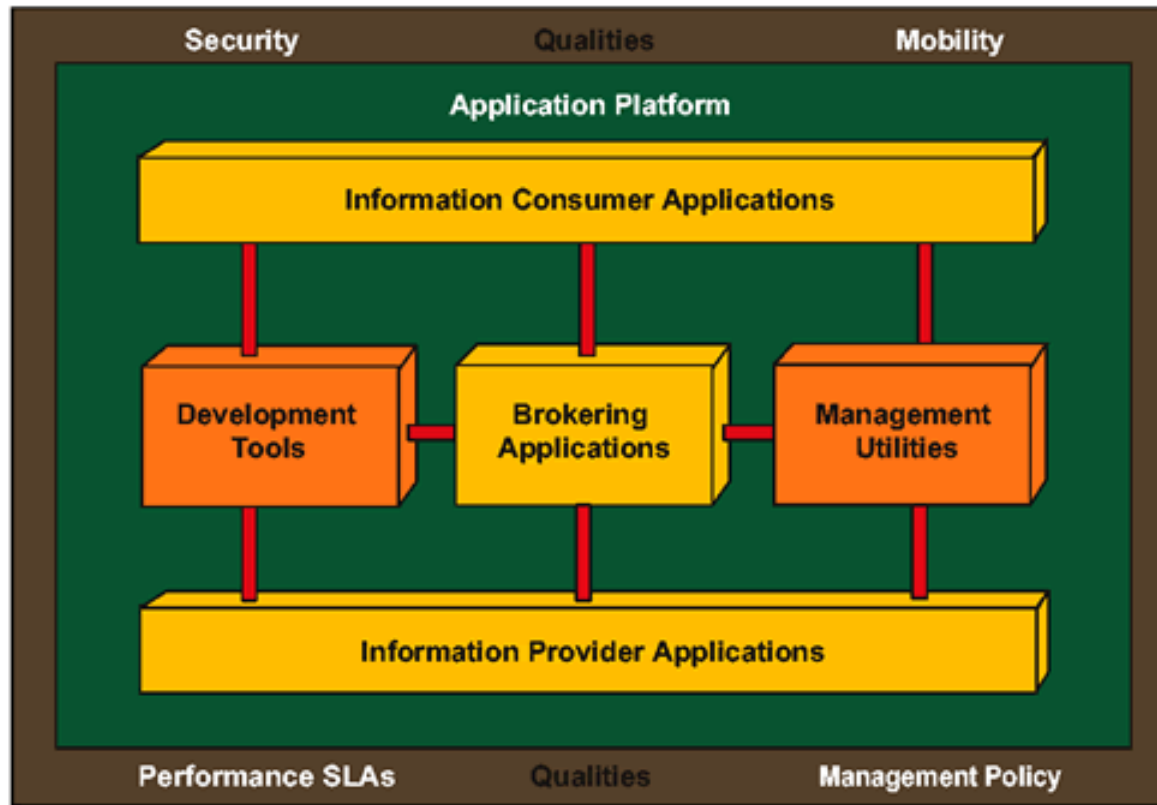
TOGAF Reference Models

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

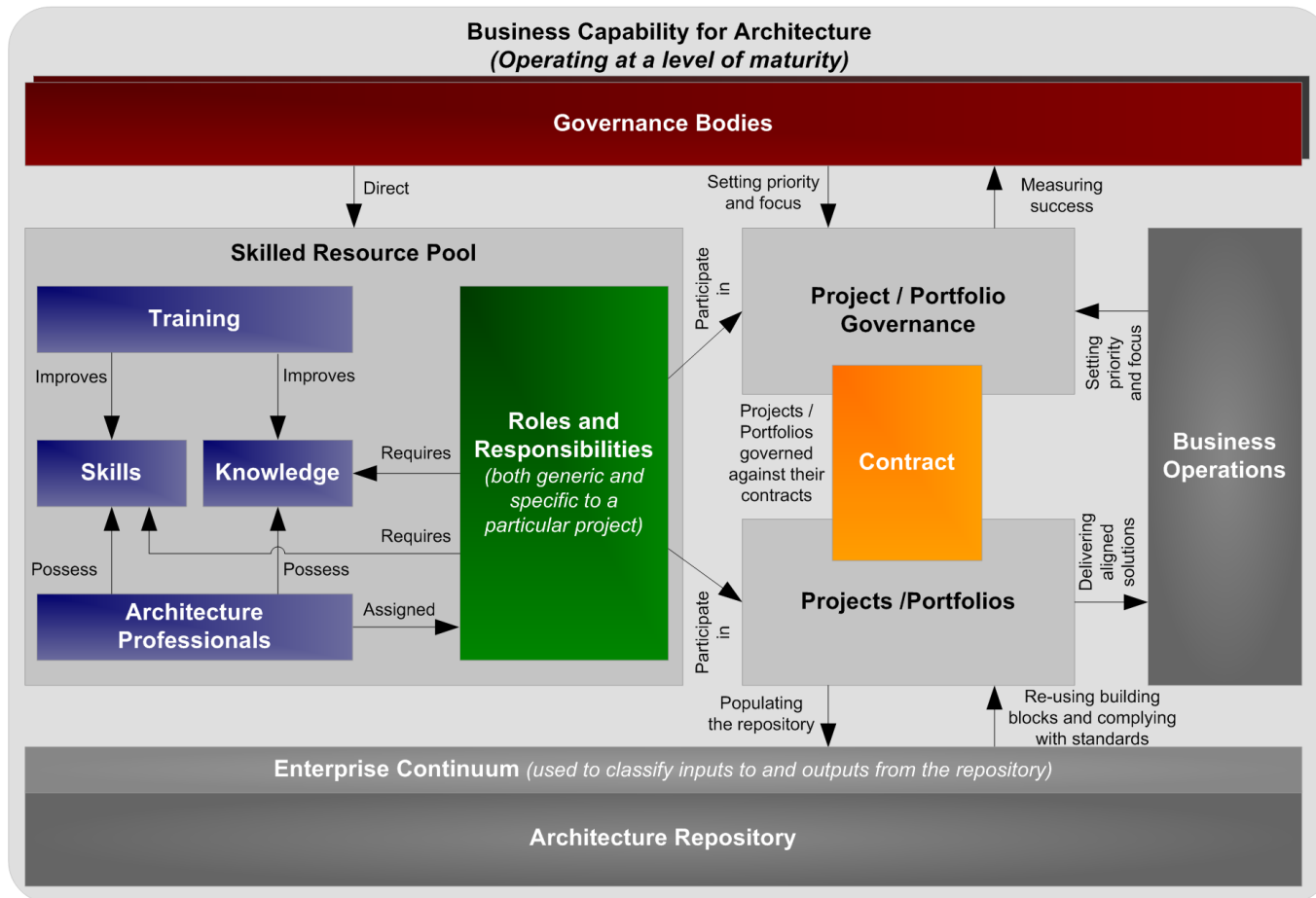
Detailed TRM



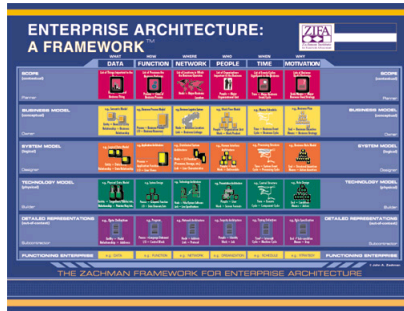
The III-RM



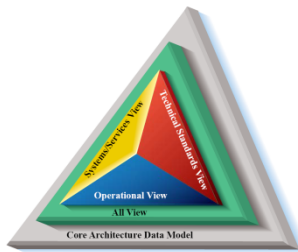
Capability Framework



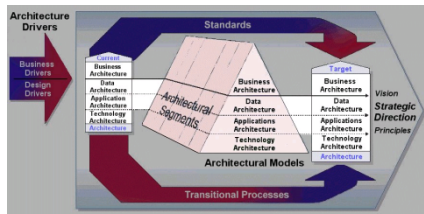
Stand-alone or Complementary



Zachman Framework

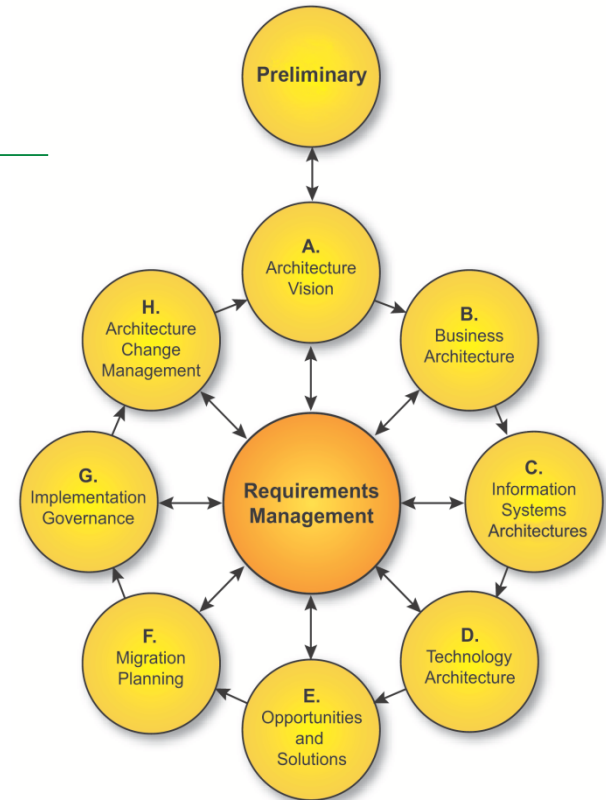


DoD Architecture Framework



Federal Enterprise Architecture Framework

Support or
Guidance



TOGAF 9

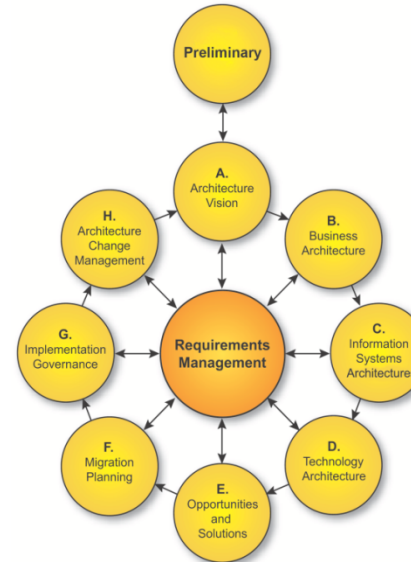
Other Frameworks

Complementary

ITIL

IT Service Management
Best Practice

Framework, method
and resources

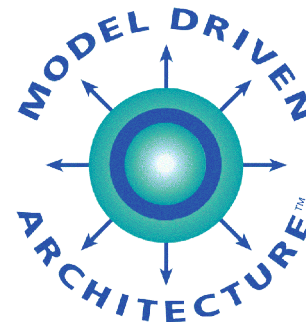


TOGAF 9

COBIT

Governance and
control

Modeling languages
and notation



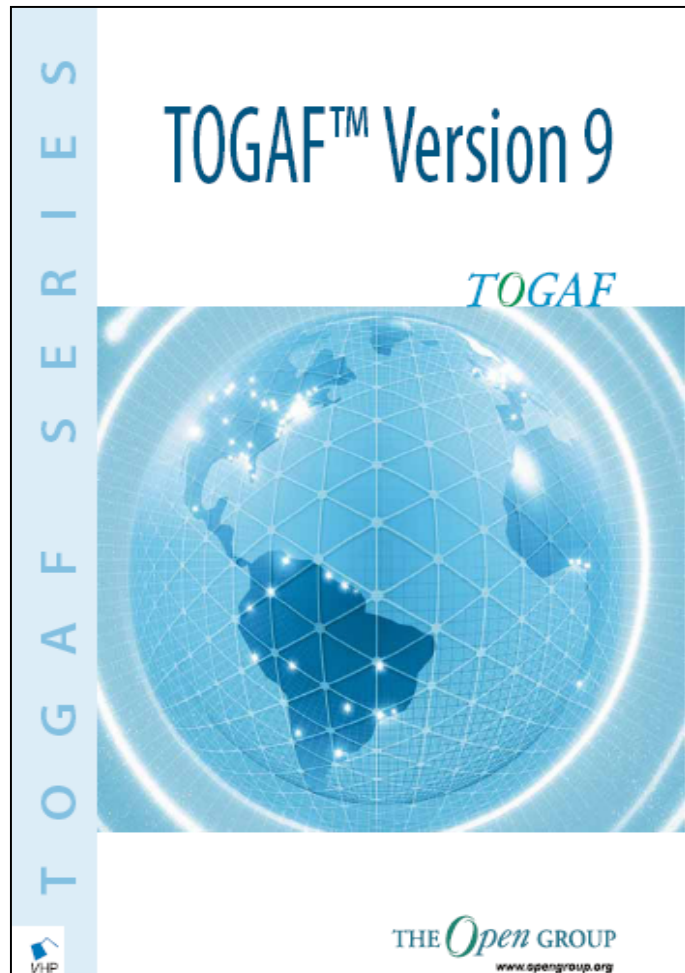
Value of TOGAF™ 9 Certification

- ❑ A globally recognized standard, backed by certification
- ❑ Certified professionals
 - Demonstrable knowledge of TOGAF
 - Minimizes employers' hiring time and improves quality of hires
- ❑ Vendors of TOGAF Certified Products or Services
 - Warrant conformance to the TOGAF product standard throughout the lifetime of certification
 - Customers who procure are assured of compliance
- ❑ Certification credentials can readily be verified

Further Information

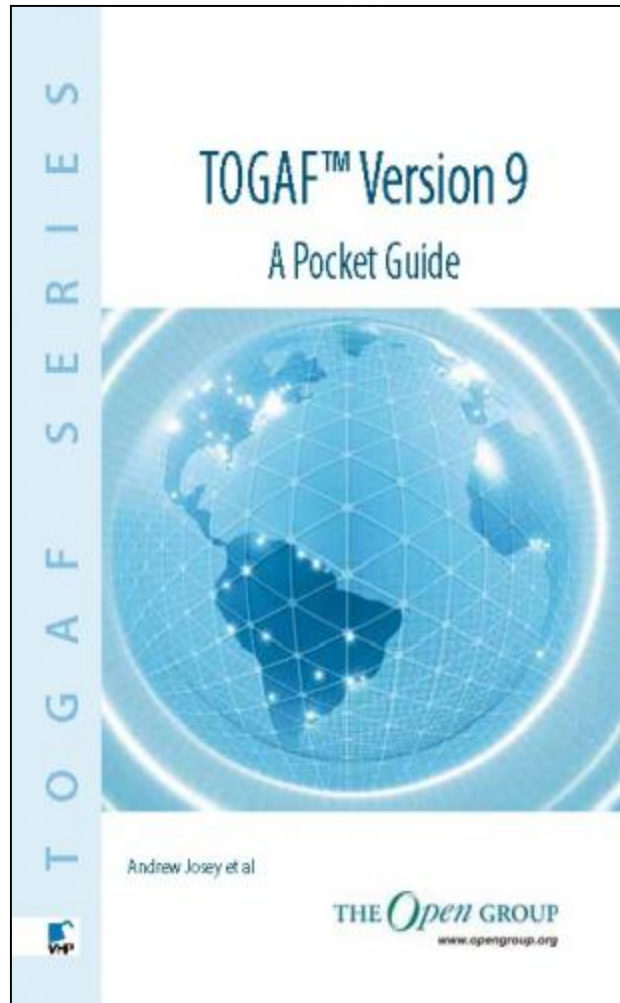
- ❑ Detailed information on TOGAF 9 including downloads of the specification, links to white papers, information sheets, reference cards, etc
 - <http://www.opengroup.org/togaf/>
 - <http://www.togaf.info>

TOGAF Version 9



- ❑ TOGAF Version 9, “The Book”
 - Document No. G091
 - ISBN:
978-90-8753-2307
 - www.opengroup.org
 - www.vanharen.net

TOGAF Version 9 Pocket Guide



- ❑ TOGAF Version 9, The Pocket Guide
 - Document No. G092
 - ISBN:
978-90-8753-232-1
 - www.opengroup.org
 - www.vanharen.net

Summary

□ TOGAF 9

- Builds a rich foundation for business execution
- Enables business solutions from solidly defined architectural capabilities
- Unites the business objectives with the IT capabilities, creating a platform for significant added value
- Backed by certification

Questions?
