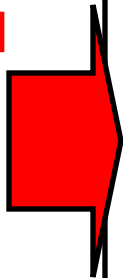


TOGAF™

Version 9 Enterprise Edition

An Overview of TOGAF Version 9

Your card
goes
here!



THE *Open* GROUP

You Name
Your Title

Your@email

Thames Tower,
37-45 Station Road,
Reading, RG1 1LX
United Kingdom

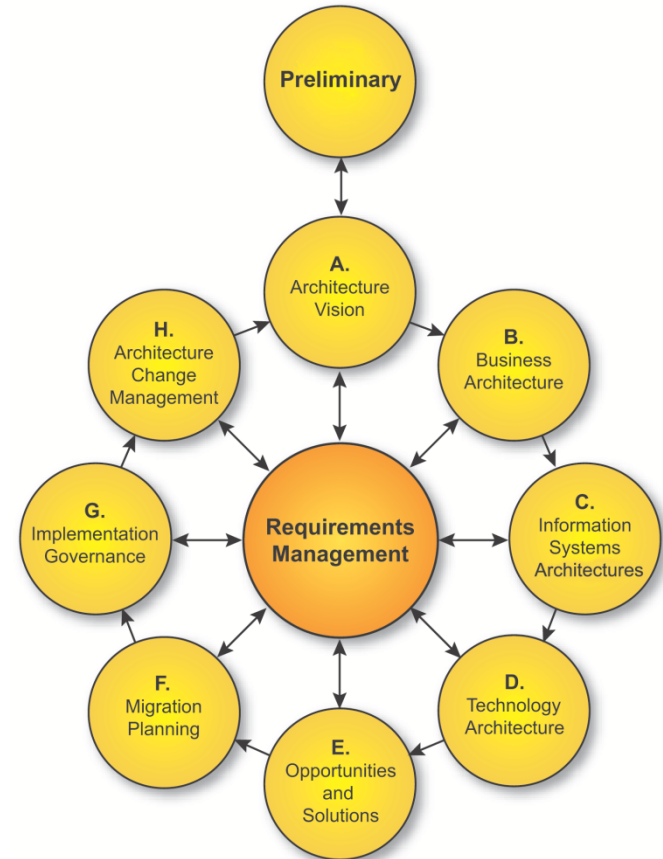
Tel +44 118 950 8311
Fax +44 118 950 0110
www.opengroup.org

Agenda

- ❑ Background on TOGAF™
- ❑ TOGAF™ Version 9
- ❑ TOGAF™ 9 Certification
- ❑ Q&A

What is TOGAF™?

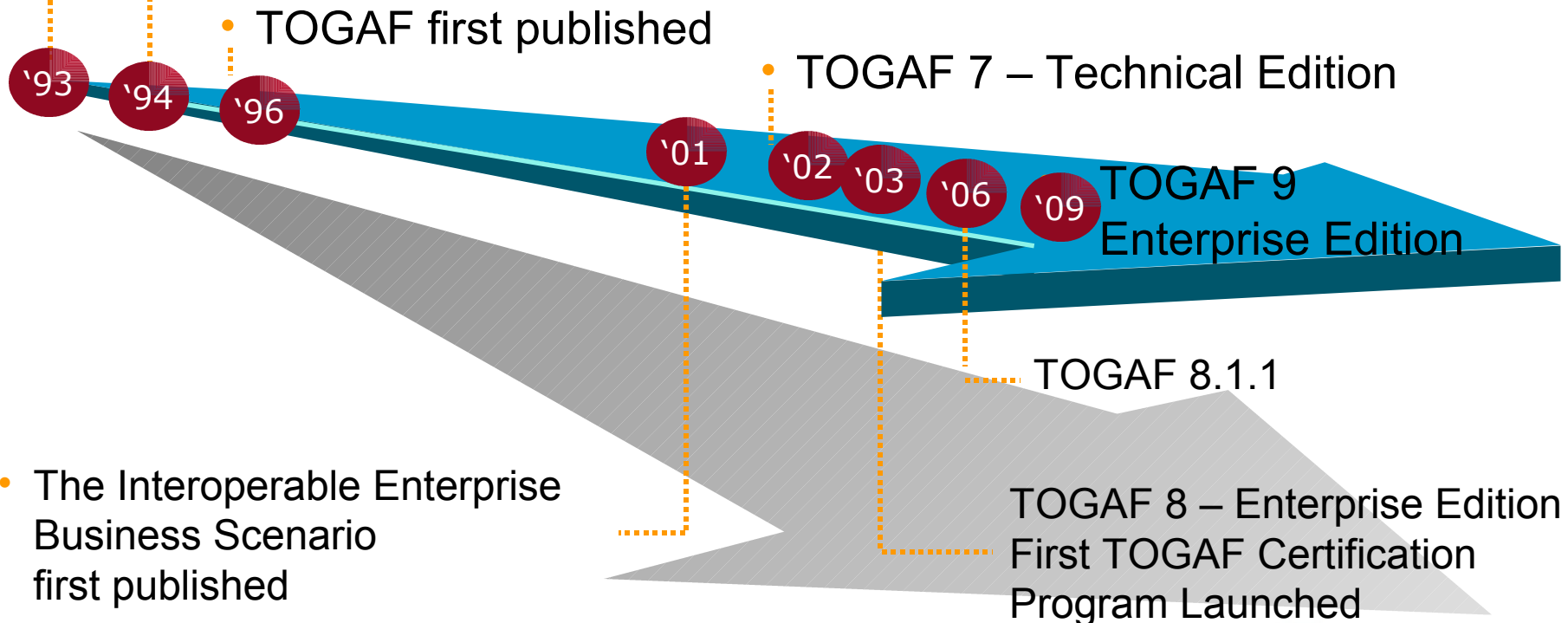
- ❑ **TOGAF™ is a framework for delivering Enterprise Architecture**
 - A customer initiative rooted in best practices
 - A framework, not an architecture
 - A generic framework for developing architectures to meet different business needs
 - Not a “one-size-fits-all” architecture
 - Originally based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



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

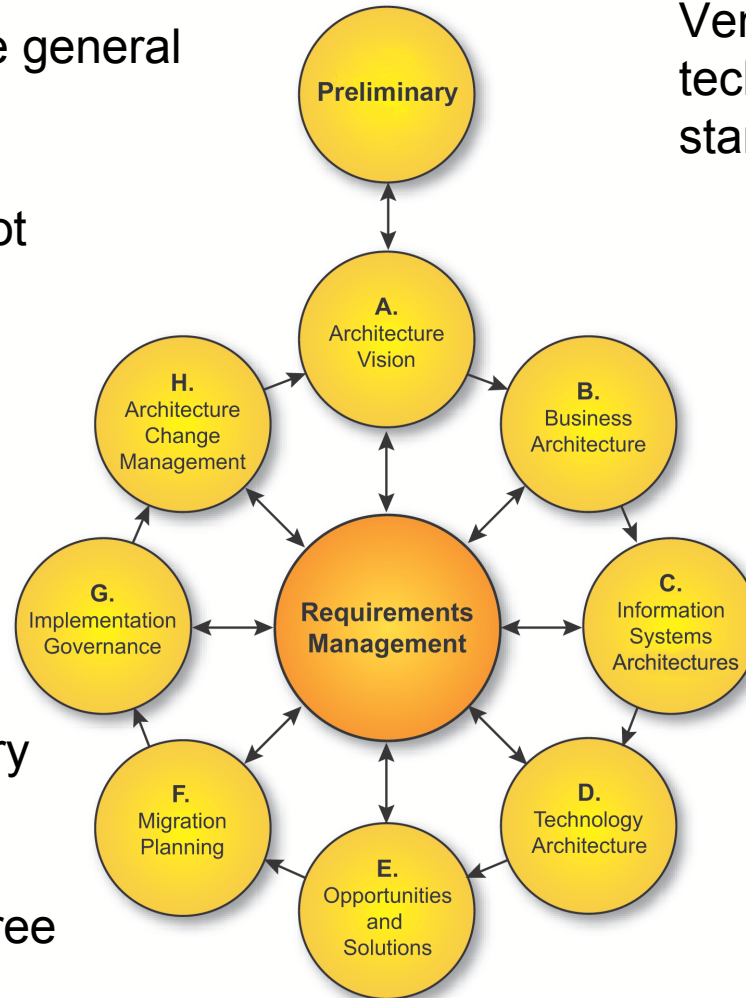
Business IT alignment

Tailorable to meet an organization and industry needs

Based in best practices

Available under a free perpetual license

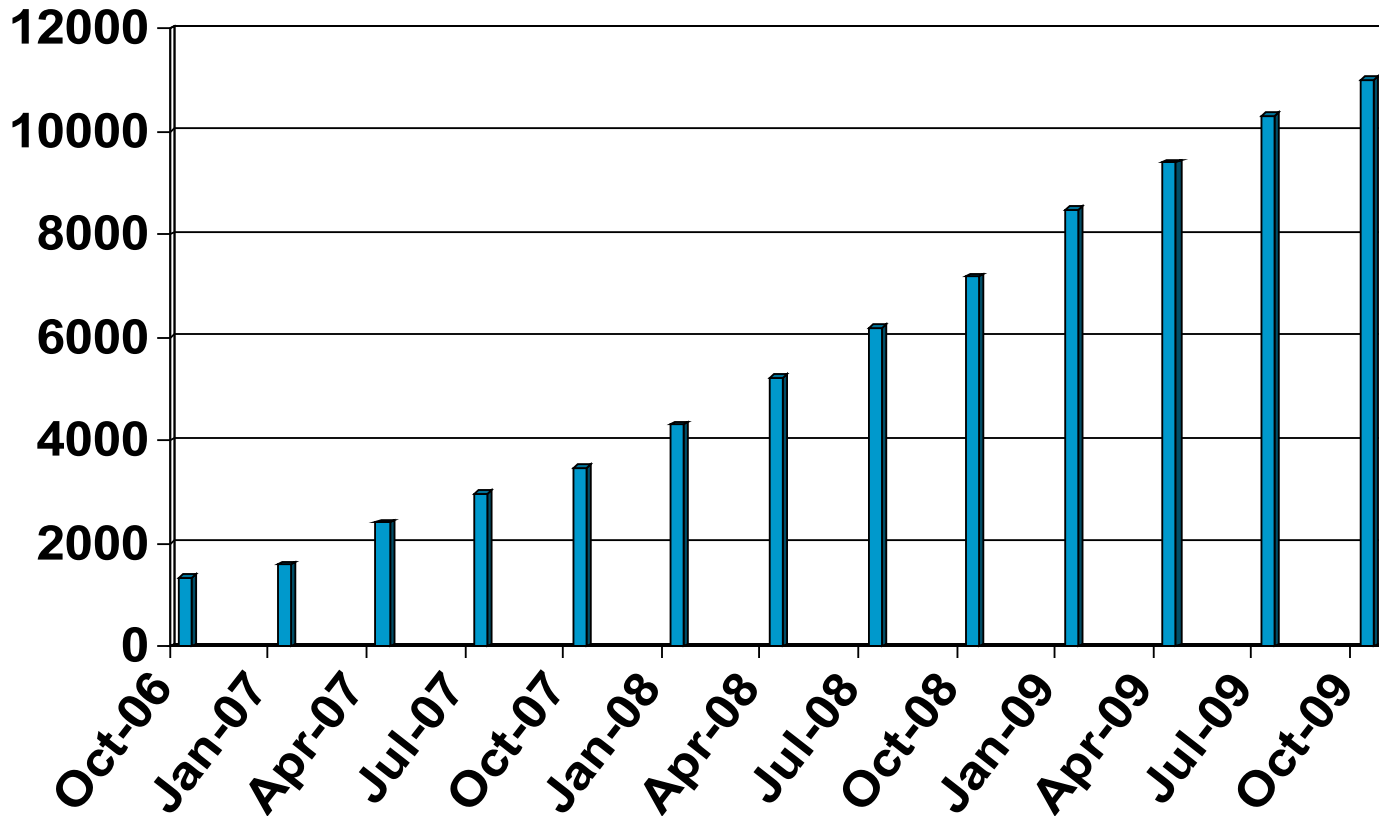
Possible to participate in the evolution of the framework



TOGAF™ Momentum

- ❑ More than 90,000 downloads
- ❑ Over 11,000 certified practitioners
 - 500+% growth since October 2006
 - 500+ certified for TOGAF 9
- ❑ 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 12,000

TOGAF People Certification

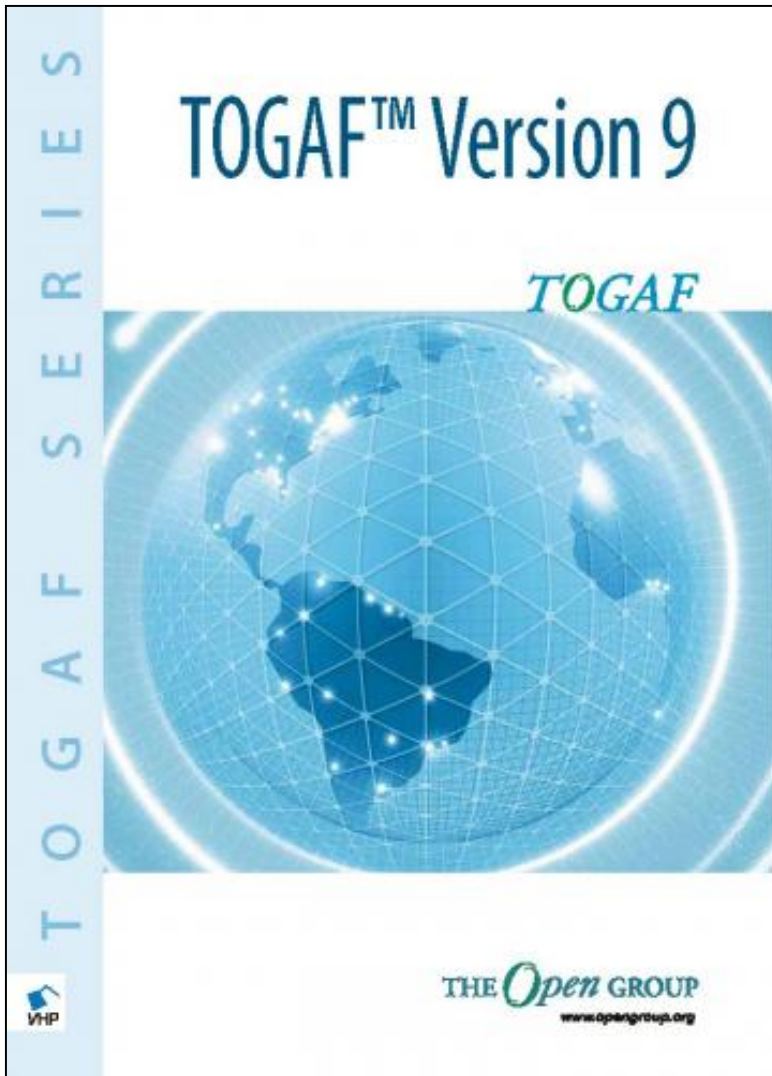


TOGAF™ 9 Market Drivers

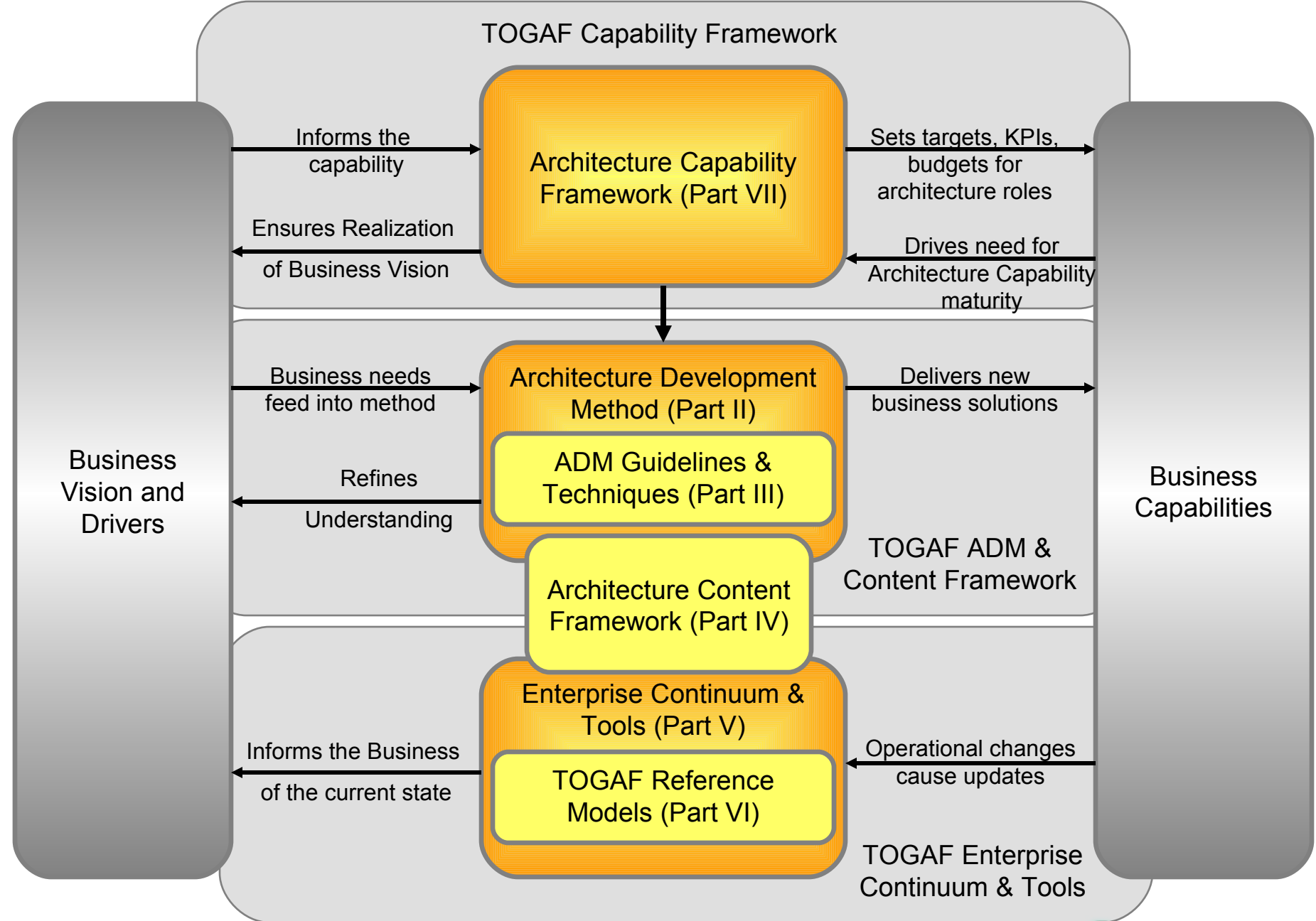
- ❑ Ongoing quest for Boundaryless Information Flow™
- ❑ In a survey of members, the three most prominent views:
 - The need for closer alignment with the business
 - The desire for simple implementation, greater usability
 - The next version of TOGAF should be an evolution rather than a revolution
- ❑ 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



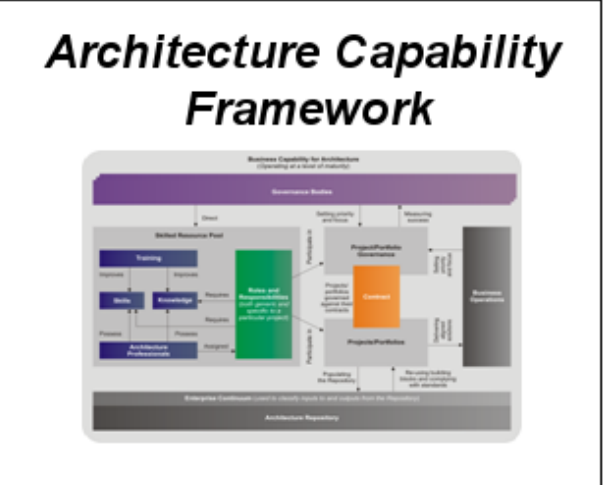
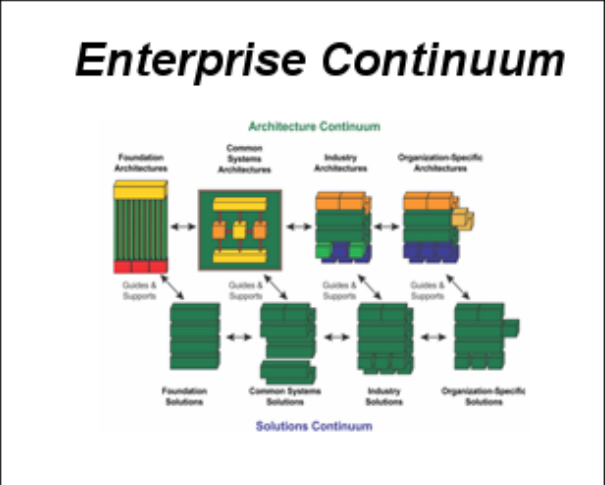
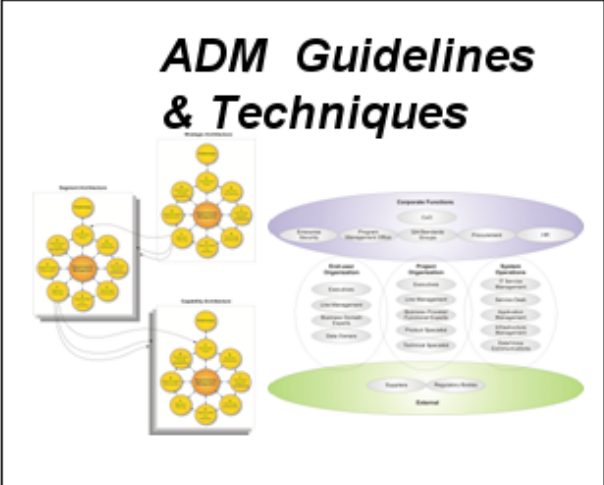
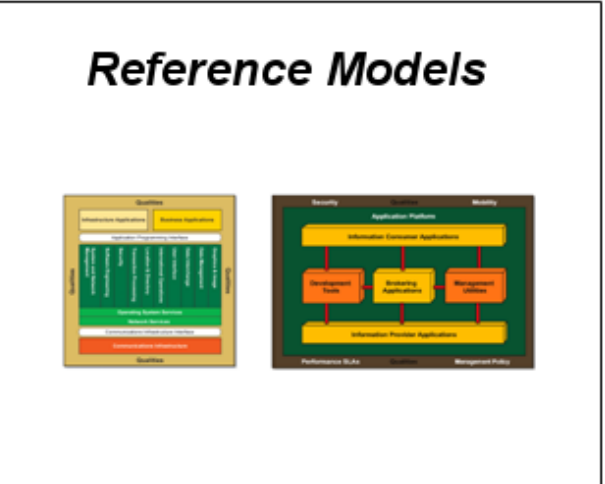
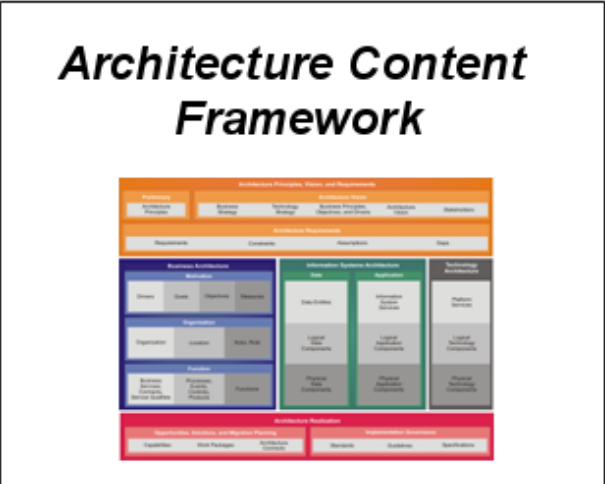
Part I - Introduction
Preface, Executive Overview, Core Concepts, Definitions and Release Notes
Part II – Architecture Development Method
Introduction to ADM
ADM Phase Narratives
Part III – ADM Guidelines and Techniques
Guidelines for Adapting the ADM Process
Techniques for Architecture Development
Part 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



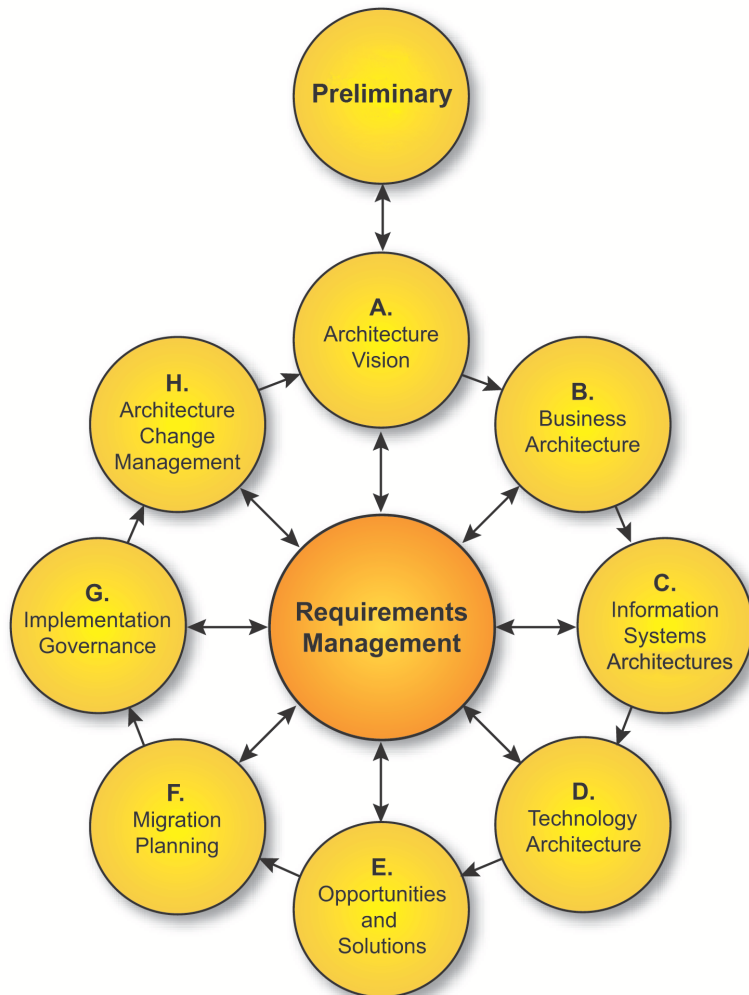
Modular Structure

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

The TOGAF 9 Components

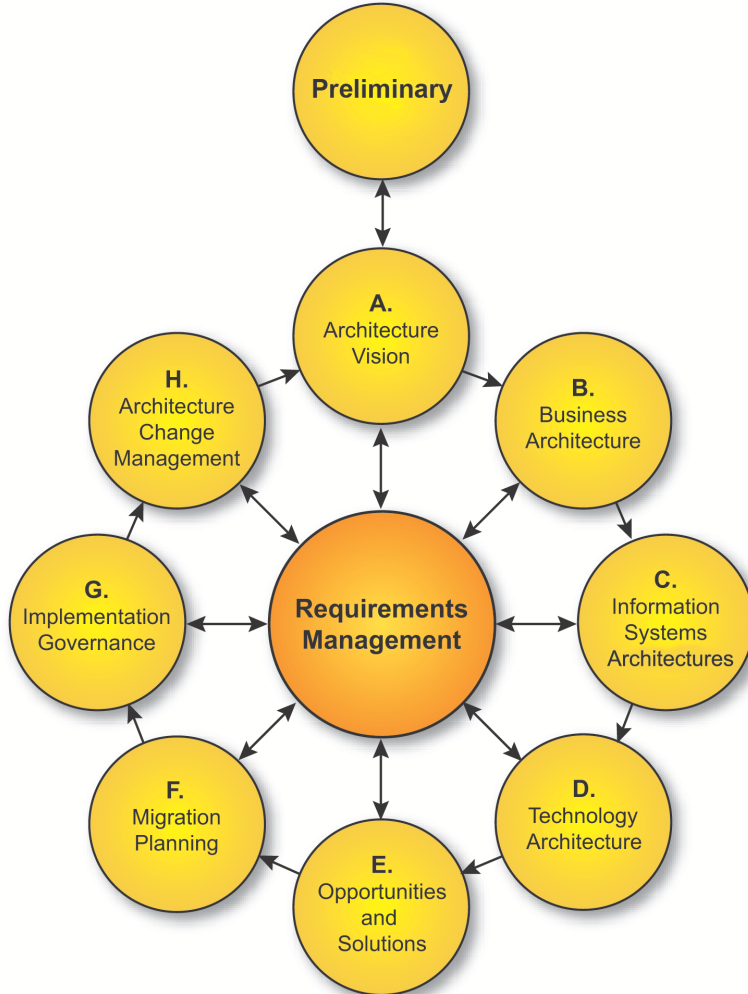


The Architecture Development Method



- ❑ 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

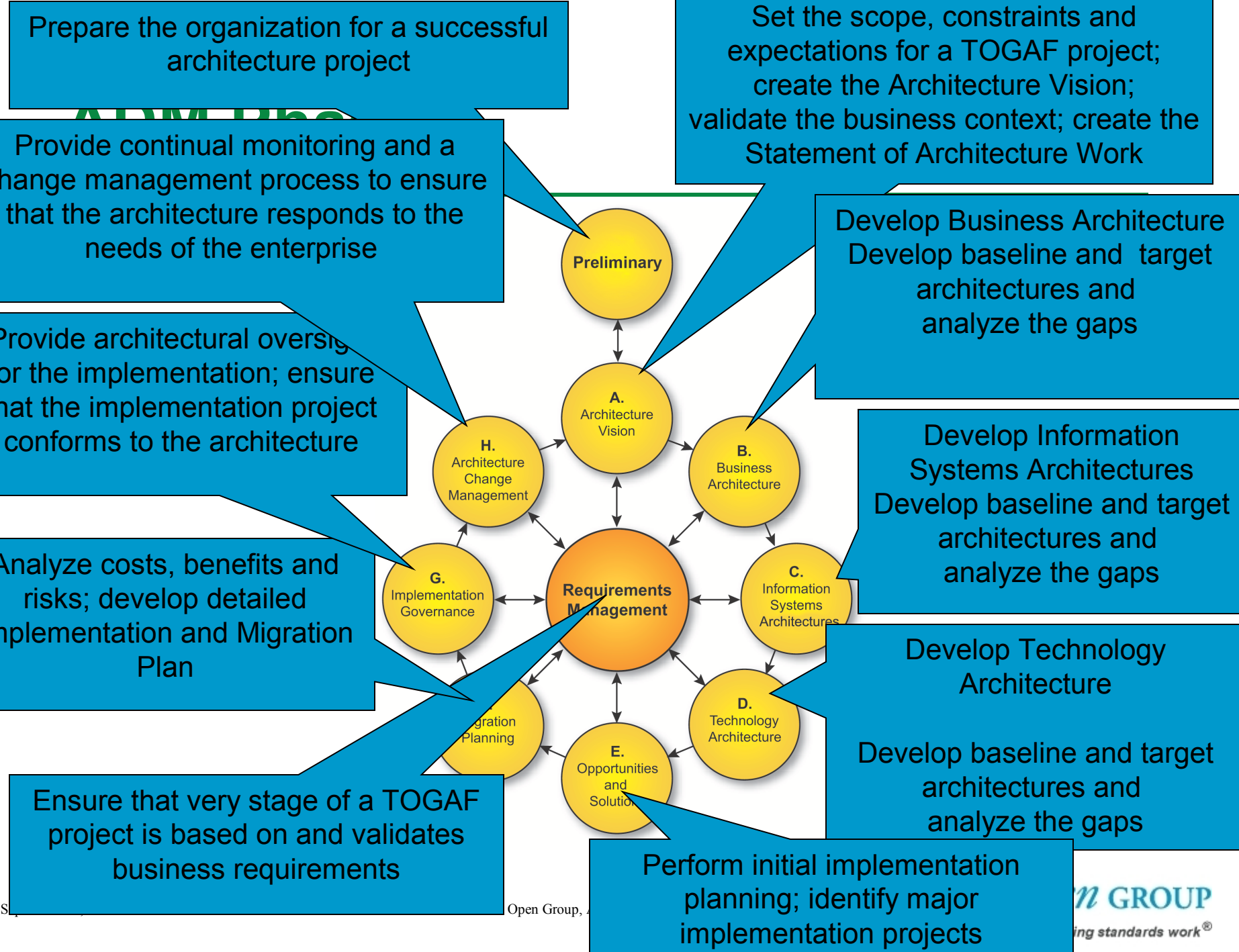
Analyze costs, benefits and risks; develop detailed Implementation and Migration Plan

Develop Technology Architecture

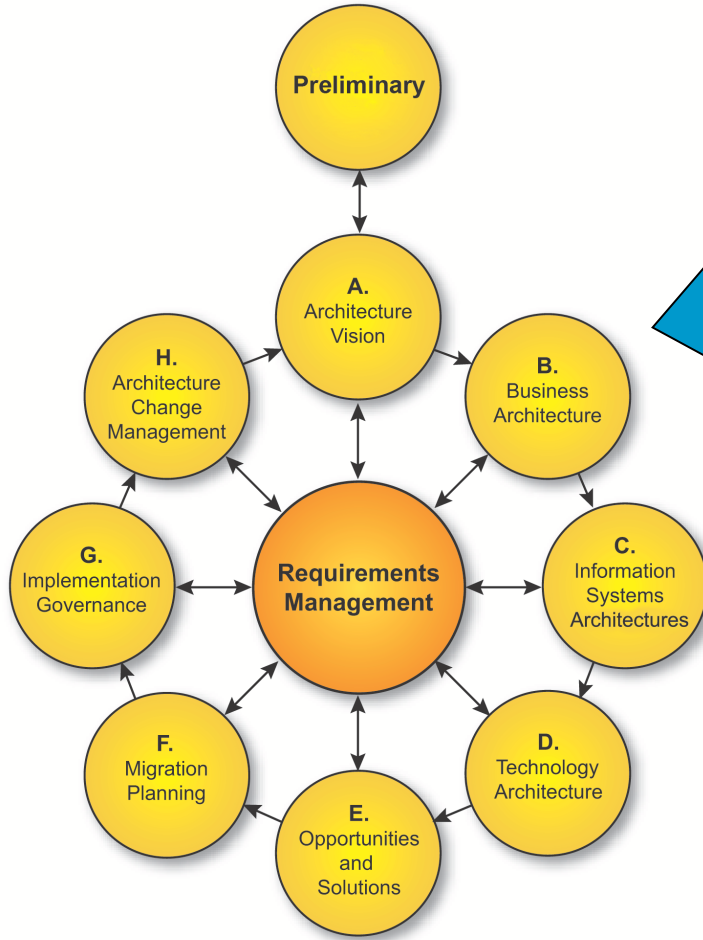
Develop baseline and target architectures and analyze the gaps

Ensure that very 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

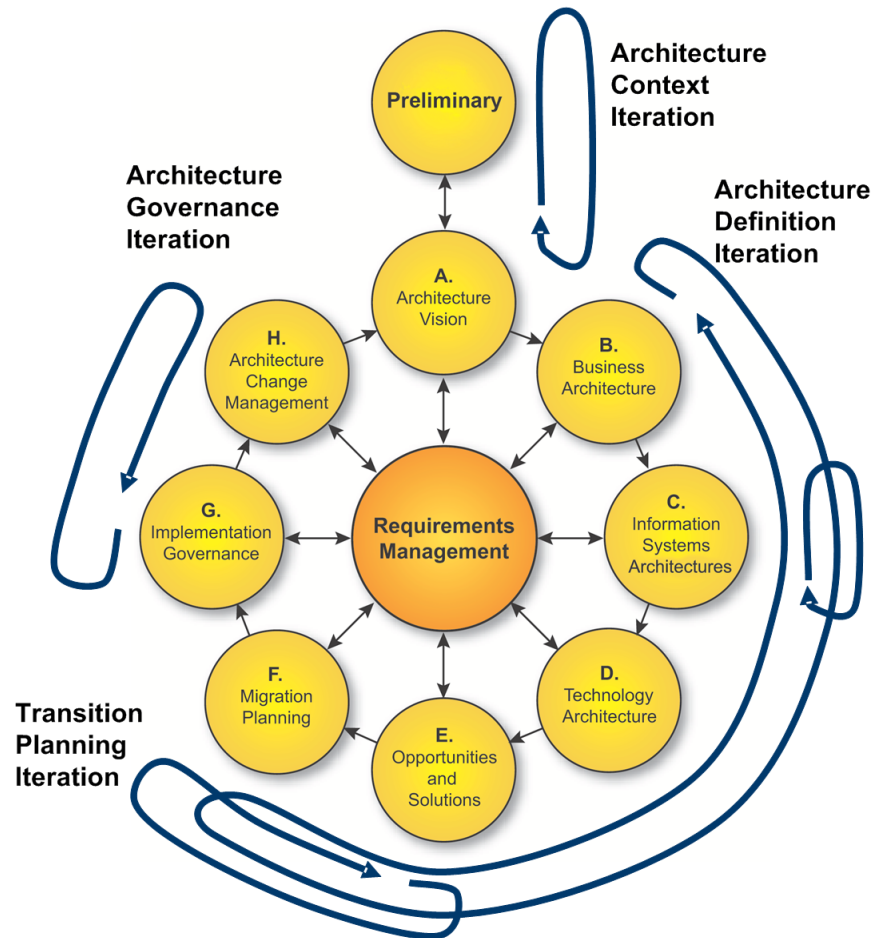
9. Create Architecture Definition Document
8. Finalize the **Business** Architecture
7. Conduct formal stakeholder review
6. Resolve impacts across the Architecture Landscape
5. Define roadmap components
4. Perform gap analysis
3. Develop Target **Business** Architecture Description
2. Develop Baseline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

Slide 10 of 14

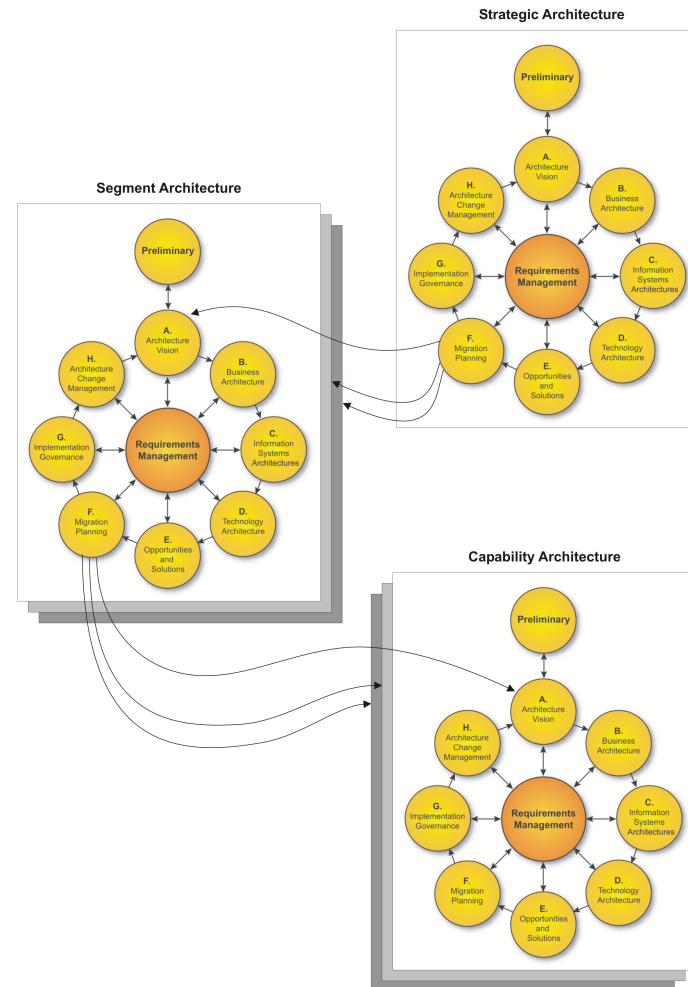
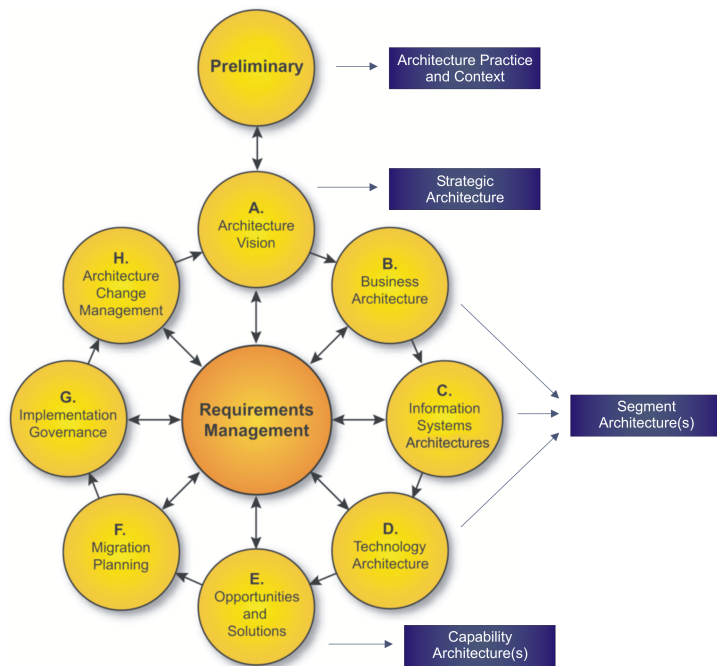
Explicit Consideration of Architectural Style

- ❑ 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



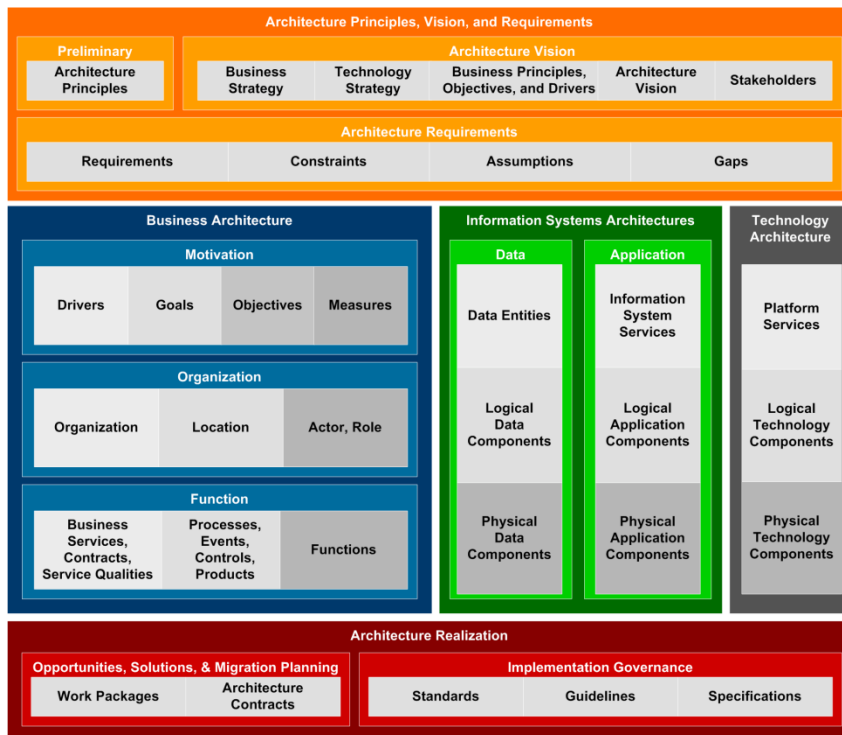
Applying the ADM at Different Levels



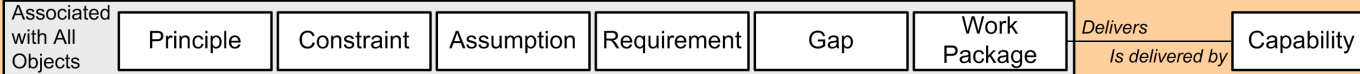
Architecture Content Framework

□ Significant addition to TOGAF 9 that provides:

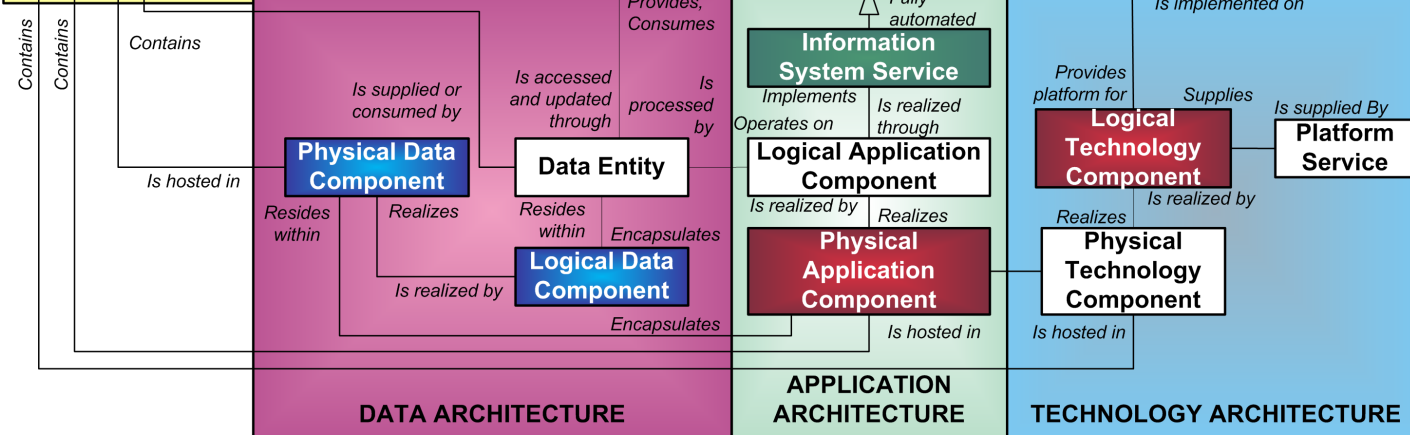
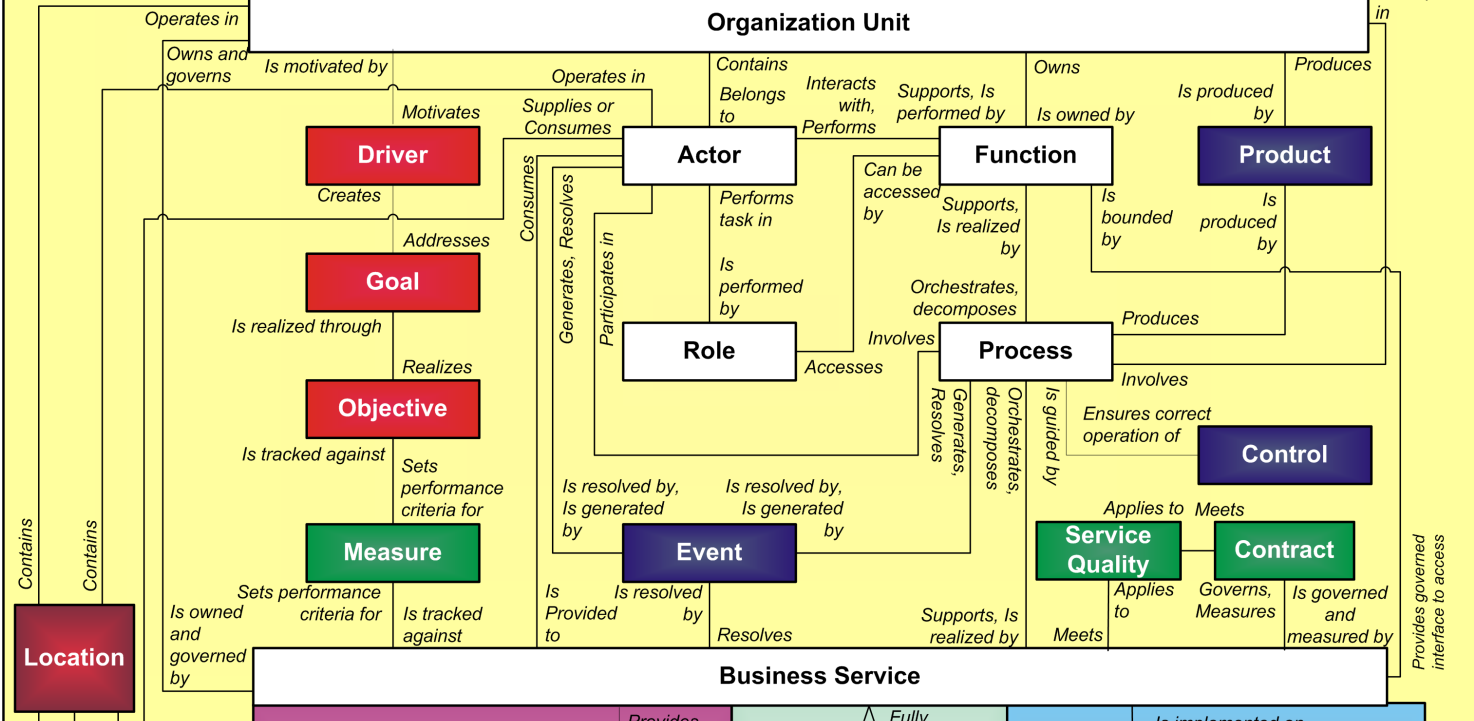
- a structured metamodel for architectural artifacts
- consistent use of architecture building blocks
- a comprehensive checklist of architecture outputs
- an overview of typical architecture deliverables
- better integration of architectural work products
- a detailed open standard for describing architectures



ARCHITECTURE PRINCIPLES, VISION, REQUIREMENTS, AND ROADMAP

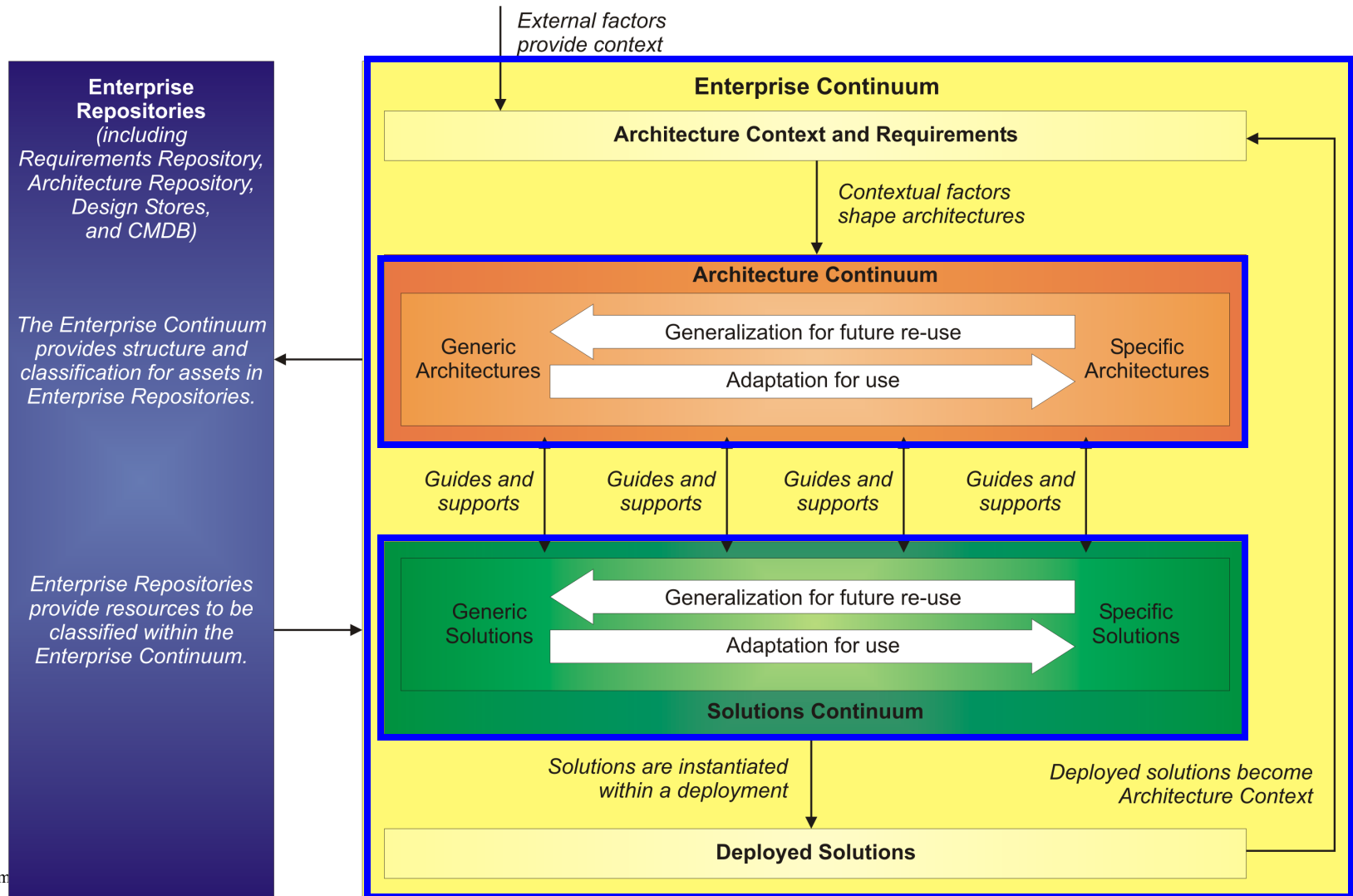


BUSINESS ARCHITECTURE



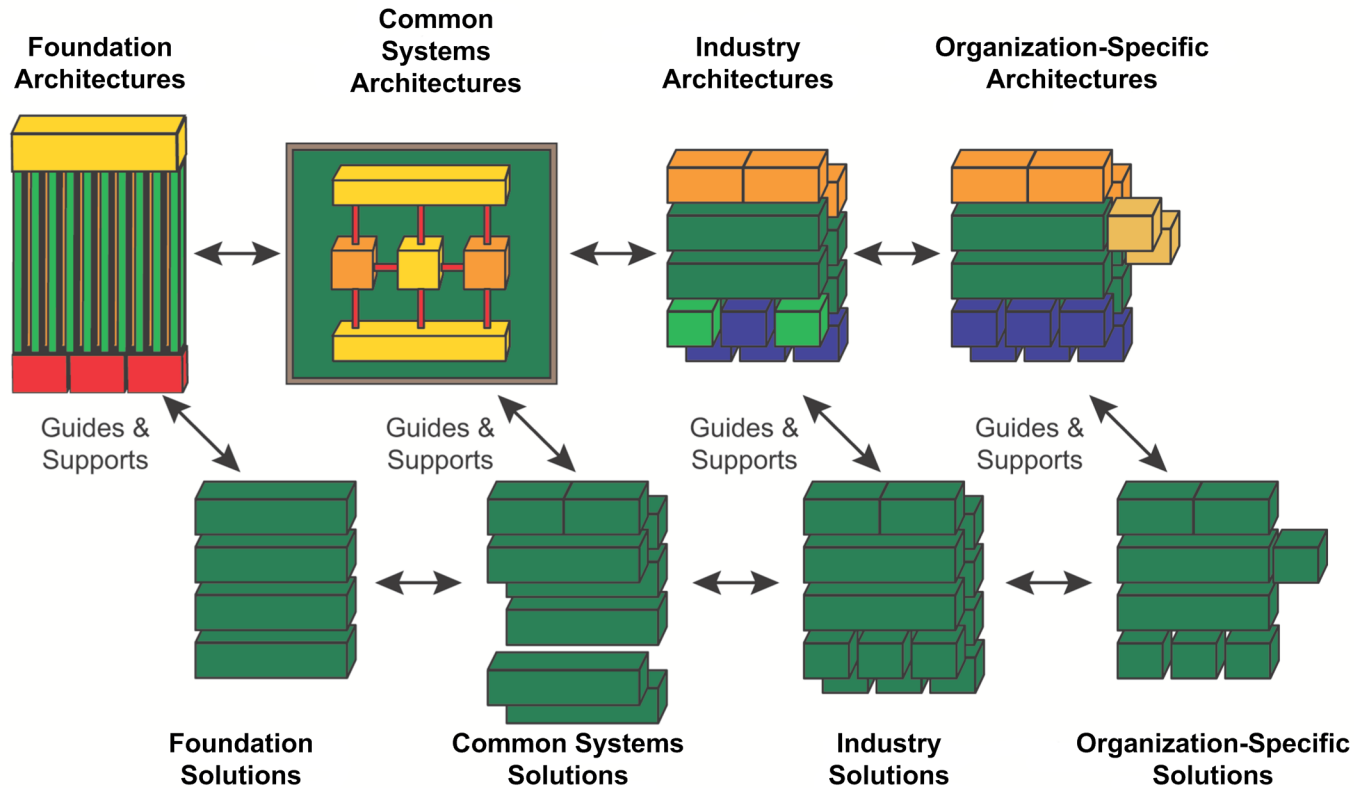
- Motivation Extension
- Infrastructure Consolidation Extension
- Process Modeling Extension
- Services Extension
- Governance Extension
- Data Modeling Extension
- Core Content

Enterprise Continuum



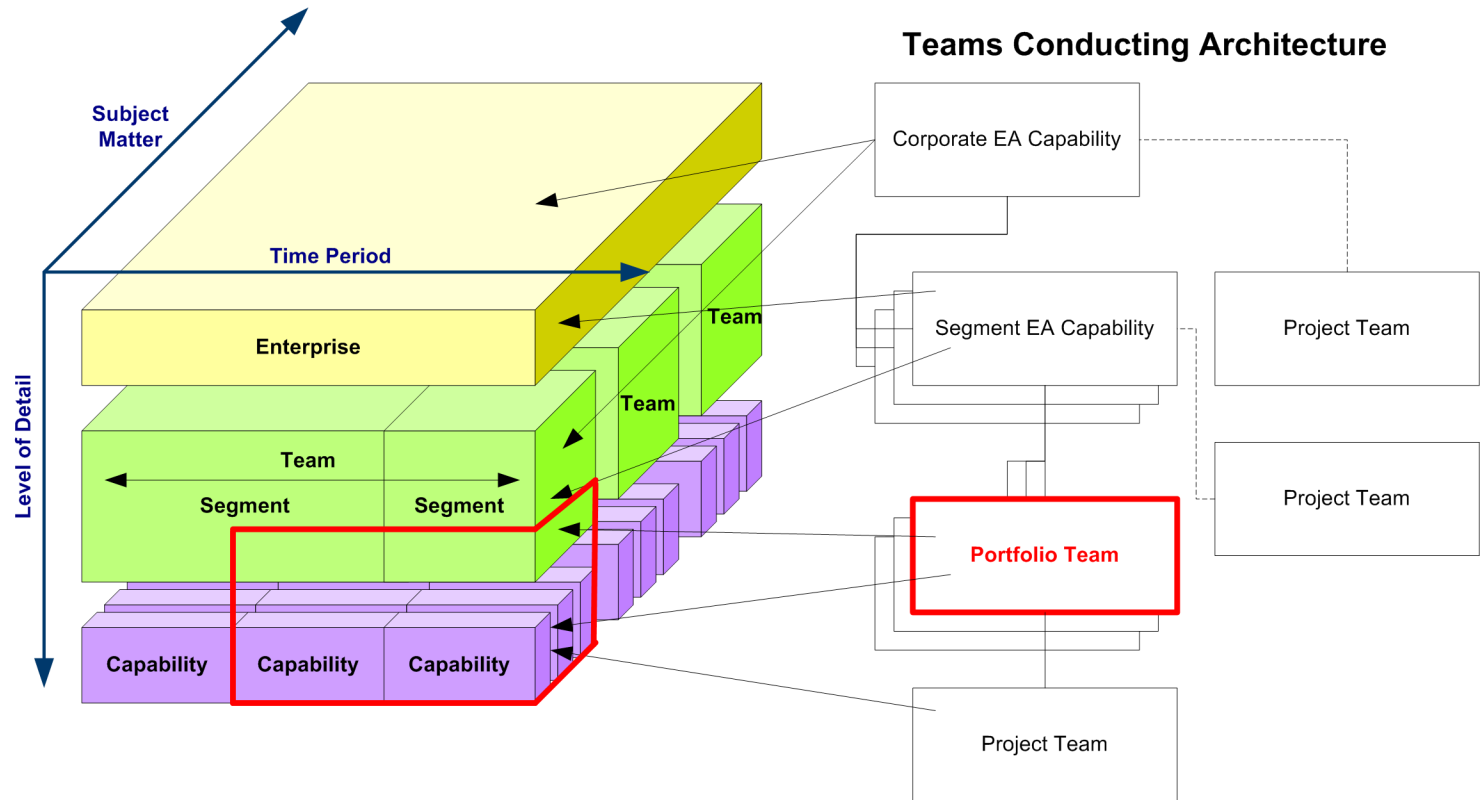
The Enterprise Continuum

Architecture Continuum



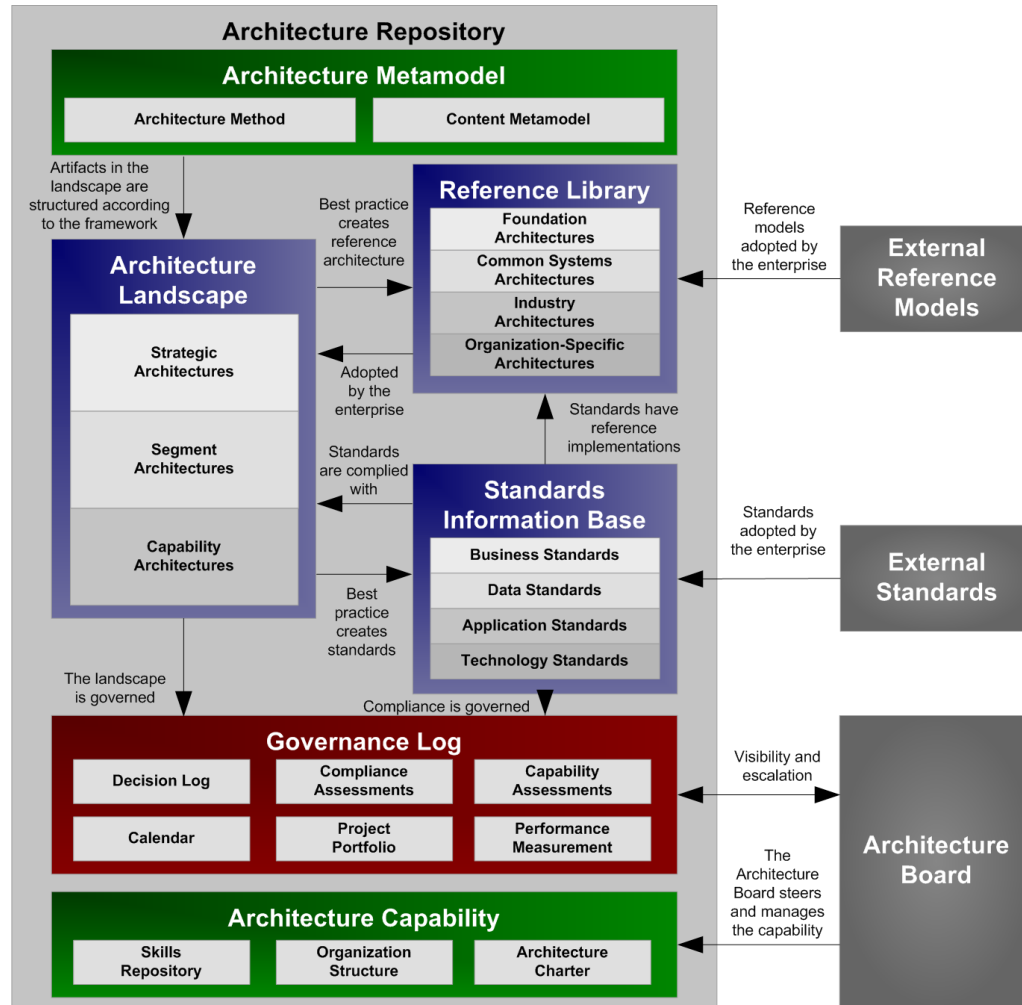
Solutions Continuum

Partitioning



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

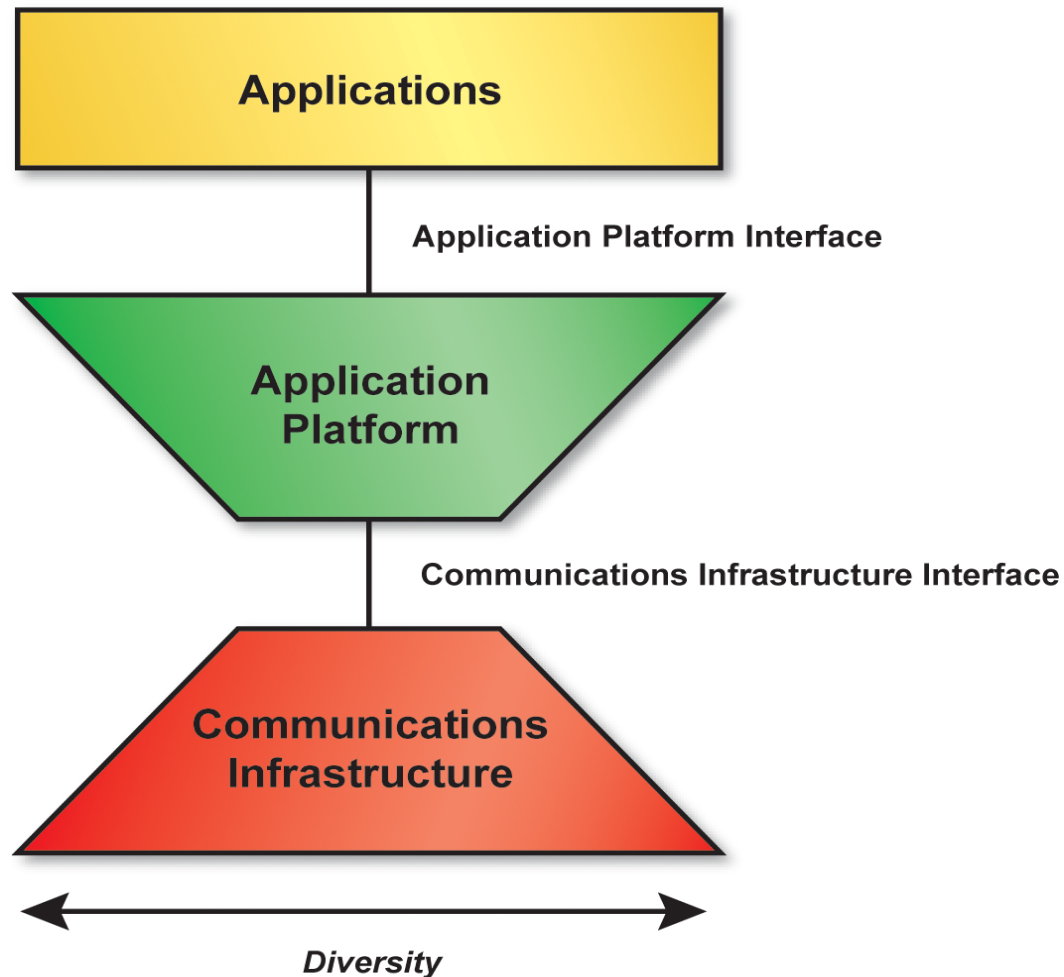
Architecture Repository



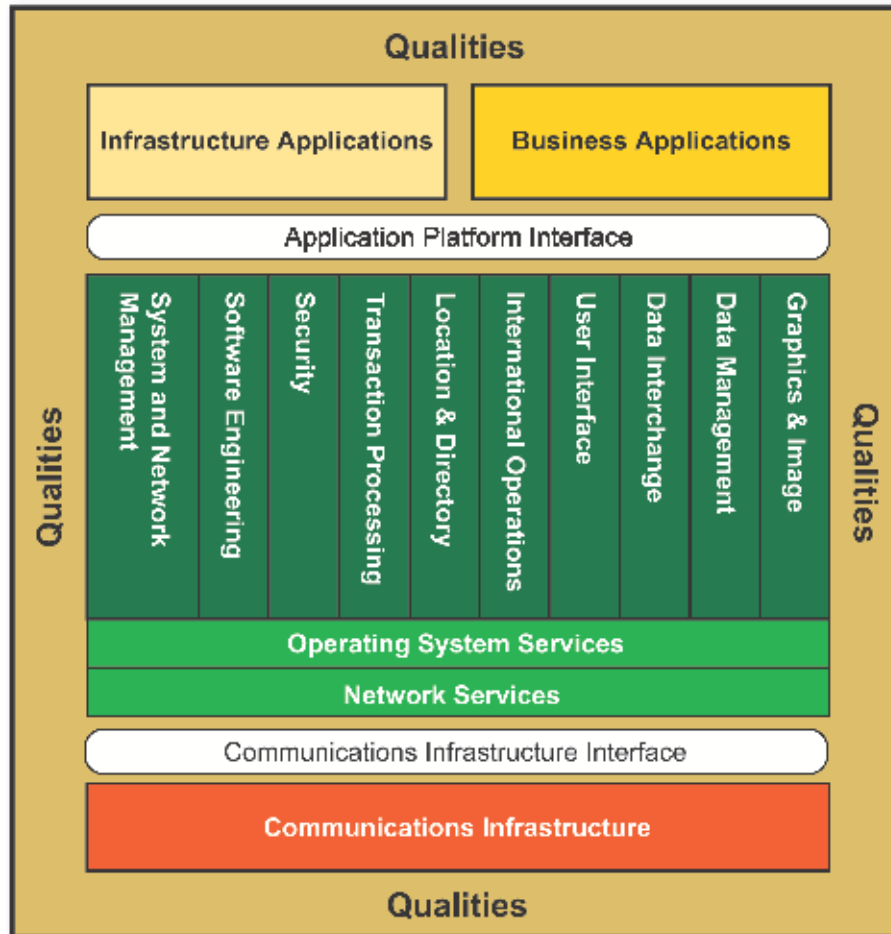
TOGAF Reference Models

- 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 (III-RM).**
 - A model for business applications and infrastructure applications
 - Specifically aimed to support the vision of *Boundaryless Information Flow*[™]

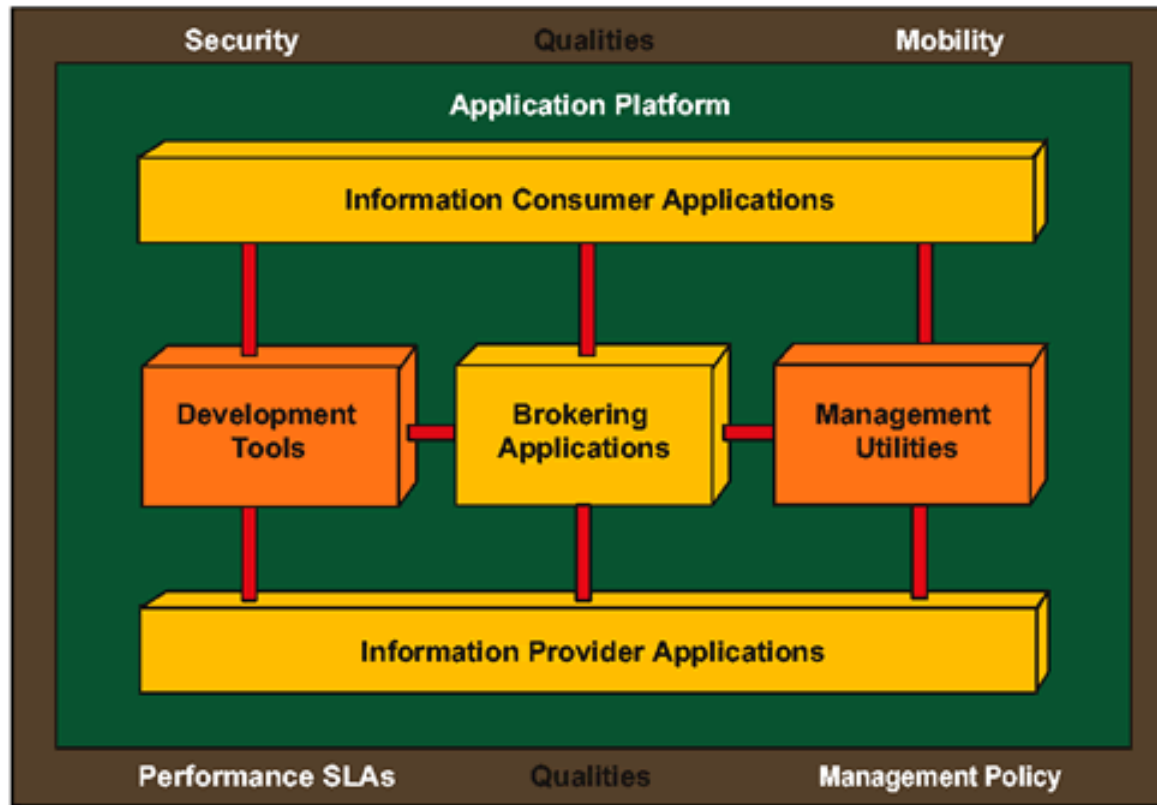
High-Level TRM



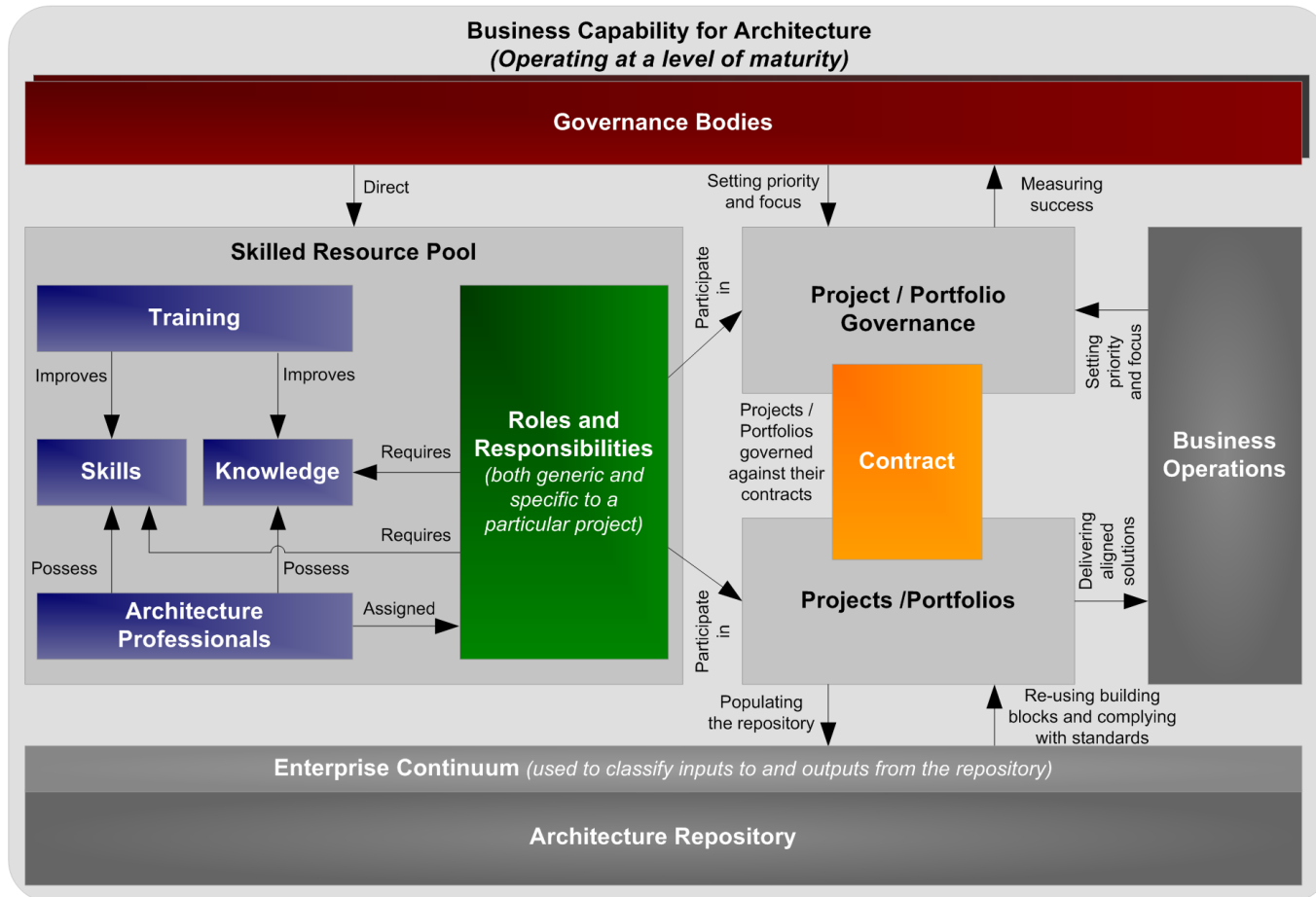
Detailed TRM



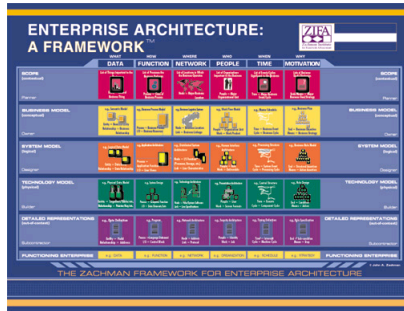
The III-RM



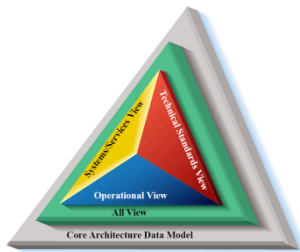
Capability Framework



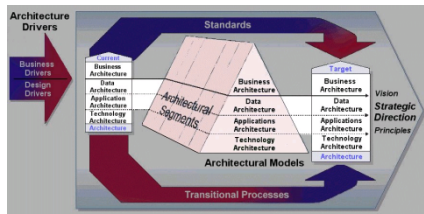
Stand-alone or Complementary



Zachman Framework

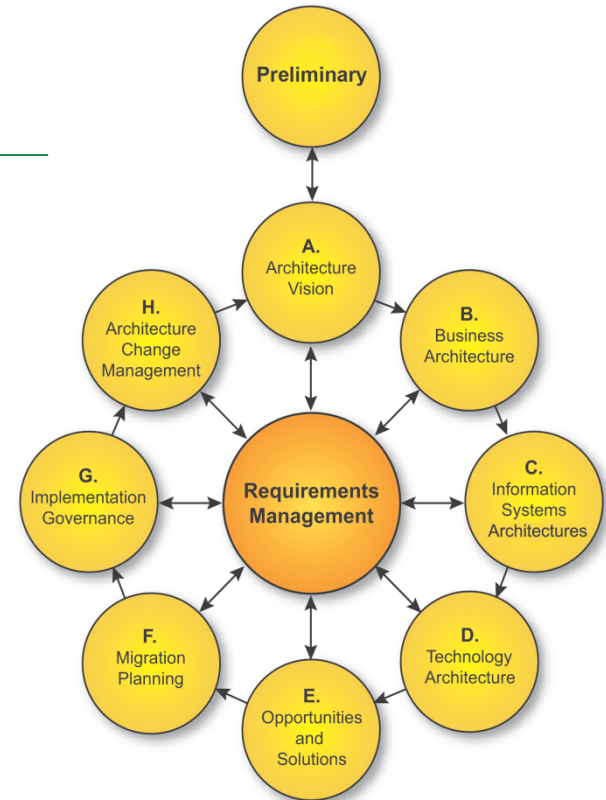


DoD Architecture Framework



Federal Enterprise Architecture Framework

Support or
Guidance



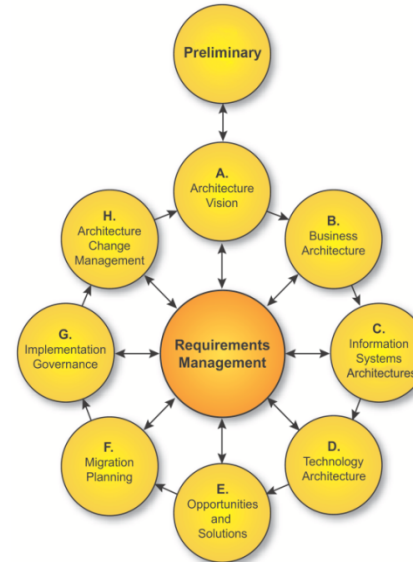
TOGAF 9

Other Frameworks

Complementary

ITIL

IT Service Management
Best Practice

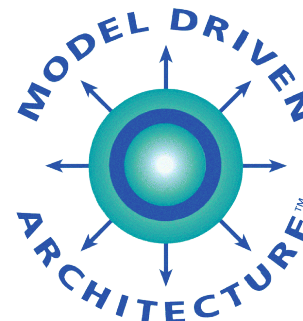


TOGAF 9

Framework, method
and resources

COBIT

Governance and
control

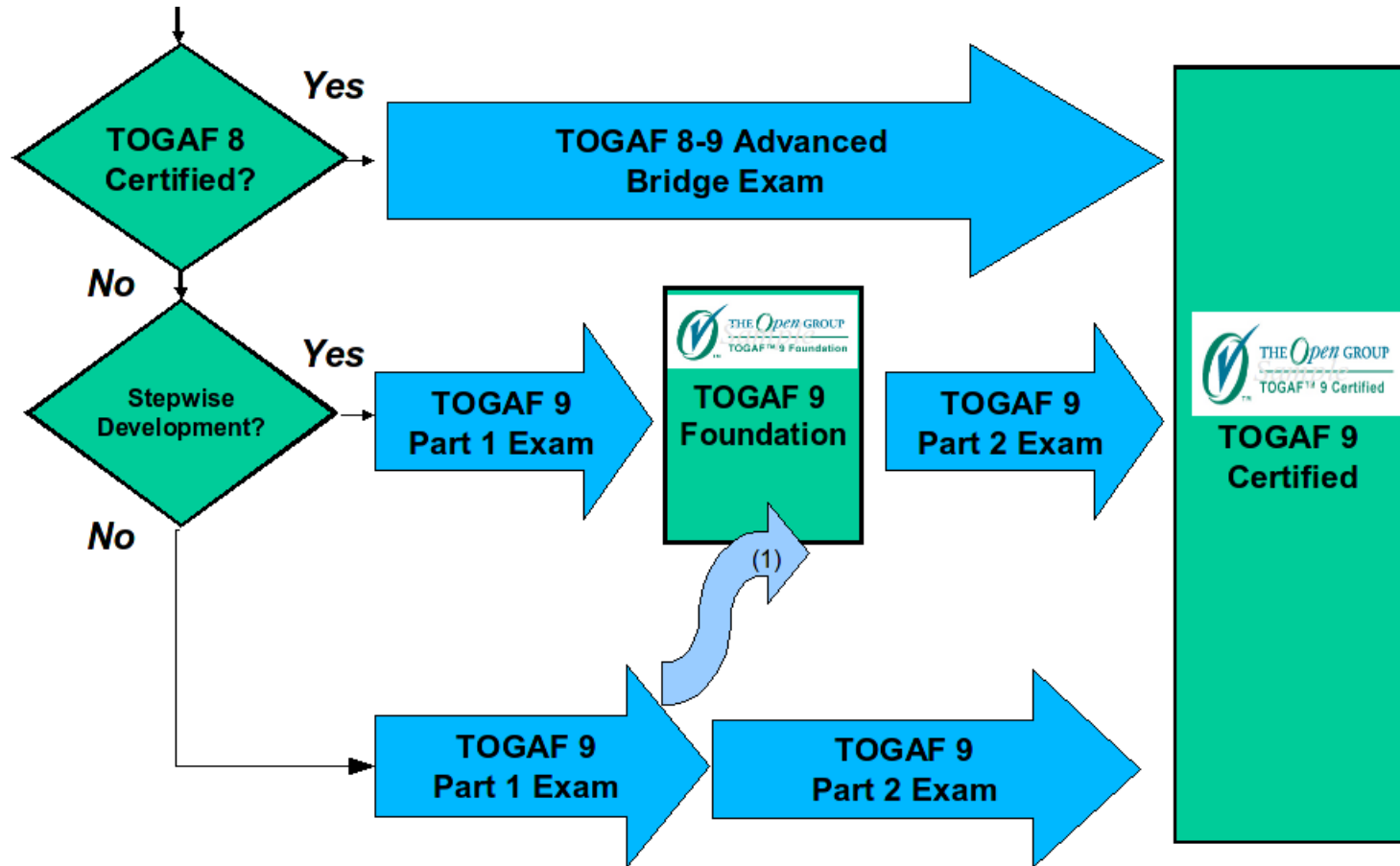


Modeling languages
and notation

Value of TOGAF™ 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

TOGAF 9 Certification



(1) If Part 1 Exam is passed but not Part 2 then TOGAF 9 Foundation will be awarded

Summary

□ TOGAF 9

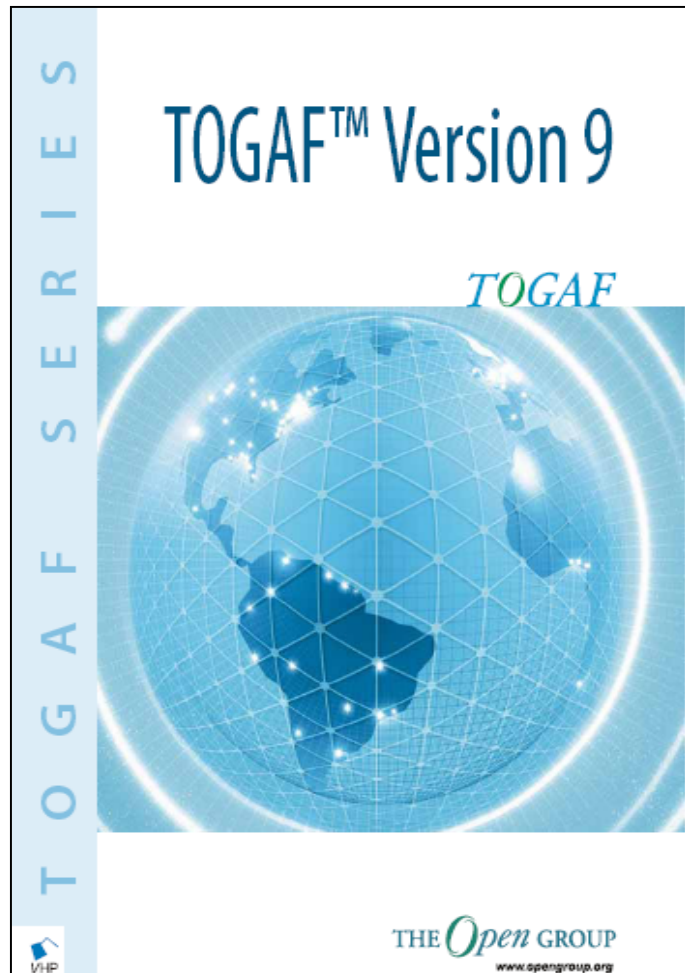
- Builds a rich foundation for business execution
- Enables business solutions from solidly defined architectural capabilities
- Unites the business objectives with the IT capabilities, creating a platform for significant added value
- Backed by certification

Questions?

Further Information

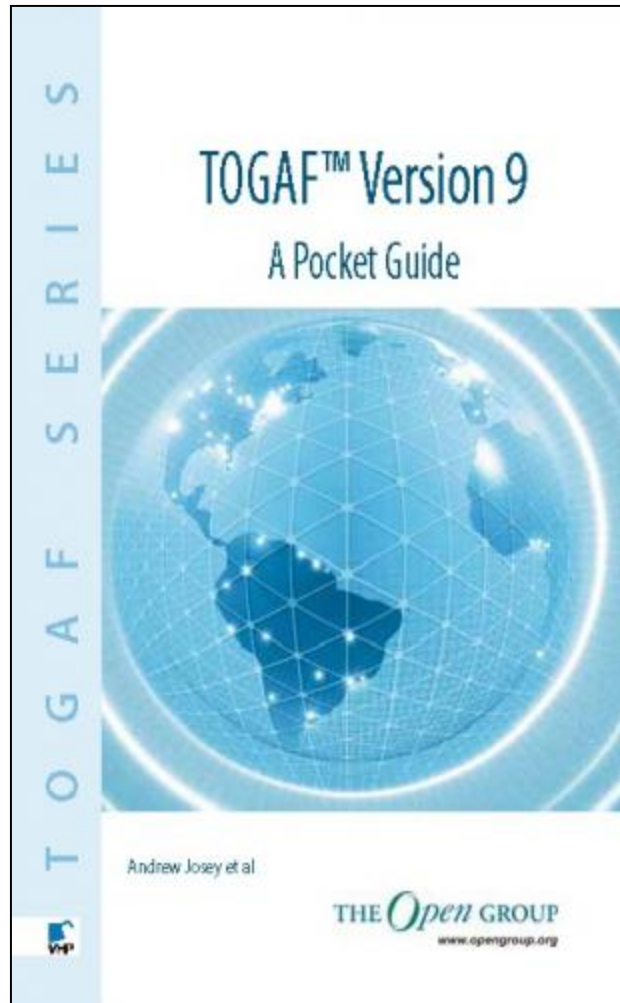
- ❑ Detailed information on TOGAF 9 including downloads of the specification, links to white papers, information sheets, reference cards, etc
 - <http://www.opengroup.org/togaf/>
 - <http://www.togaf.info>

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
- ❑ *Also now available in French (Guide de Poche)*

TOGAF 9 Foundation Study Guide

TOGAF™ 9 Foundation Study Guide

Preparation for the TOGAF 9 Part 1 Examination



Rachel Harrison

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