

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

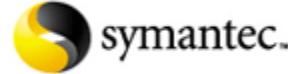
The Open Group: Fast Facts

- 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

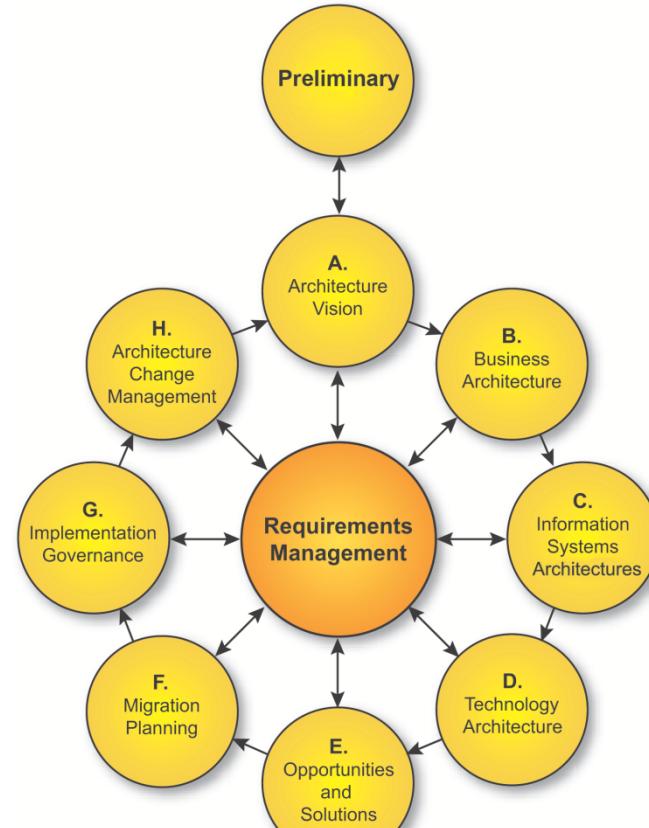
Bit of an old concept. Togaf 9 was built around '06,'07. hence this concept makes sense for back then.

- ***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™?

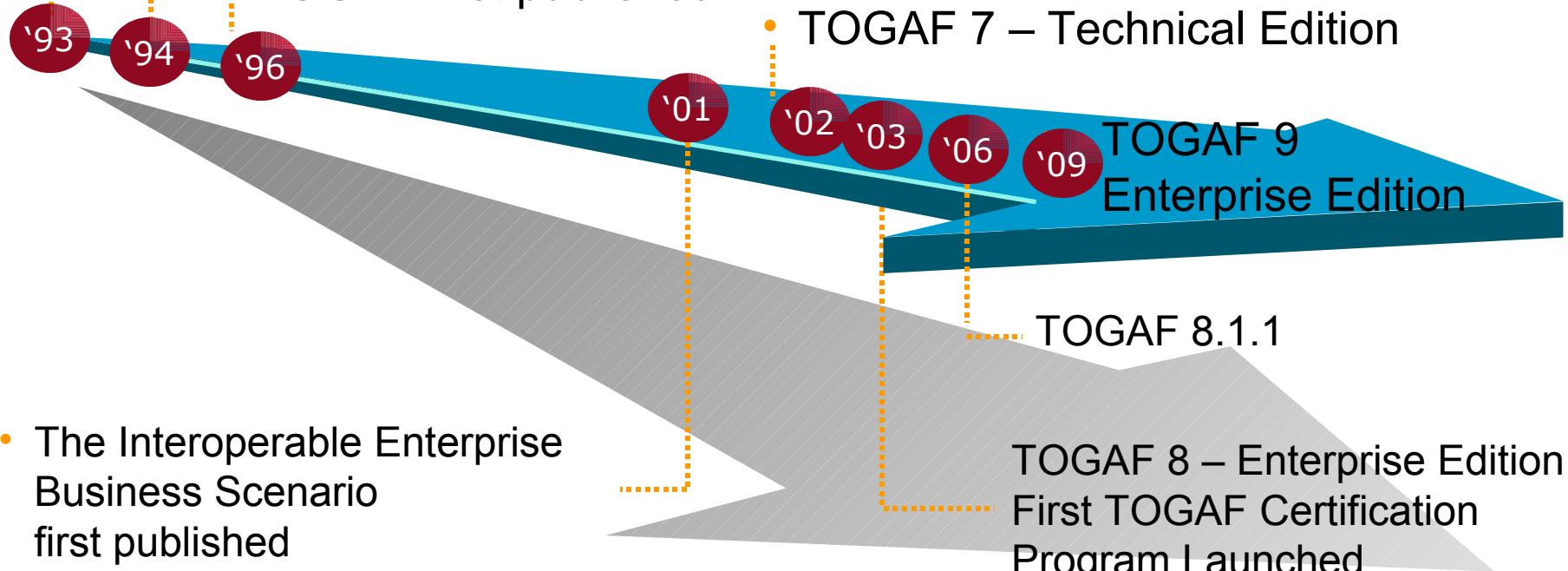
- **TOGAF™ is a framework for delivering Enterprise Architecture**
 - A customer initiative rooted in best practices
 - A framework, not an architecture
 - A generic framework for developing architectures to meet different business needs
 - Not a “one-size-fits-all” architecture
 - Originally based on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



Why TOGAF?

A comprehensive general method

Complementary to, not competing with, other frameworks

Widely adopted in the market

Tailorable to meet an organization and industry needs

Available under a free perpetual license

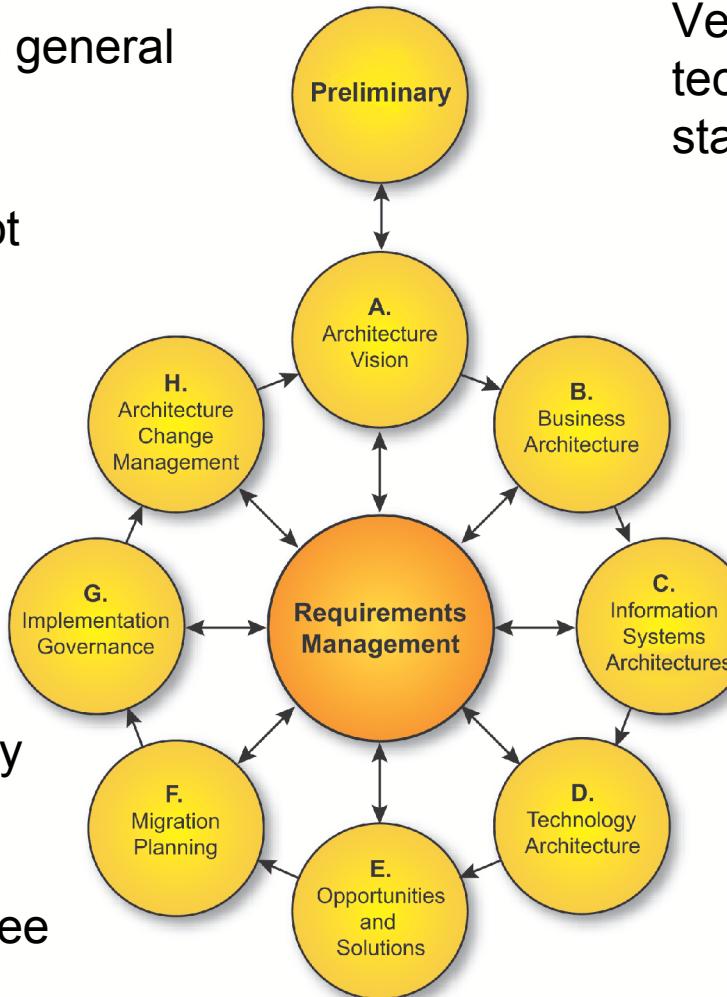
Vendor, tool and technology neutral open standard

Avoids re-inventing the wheel

Business IT alignment

Based in best practices

Possible to participate in the evolution of the framework

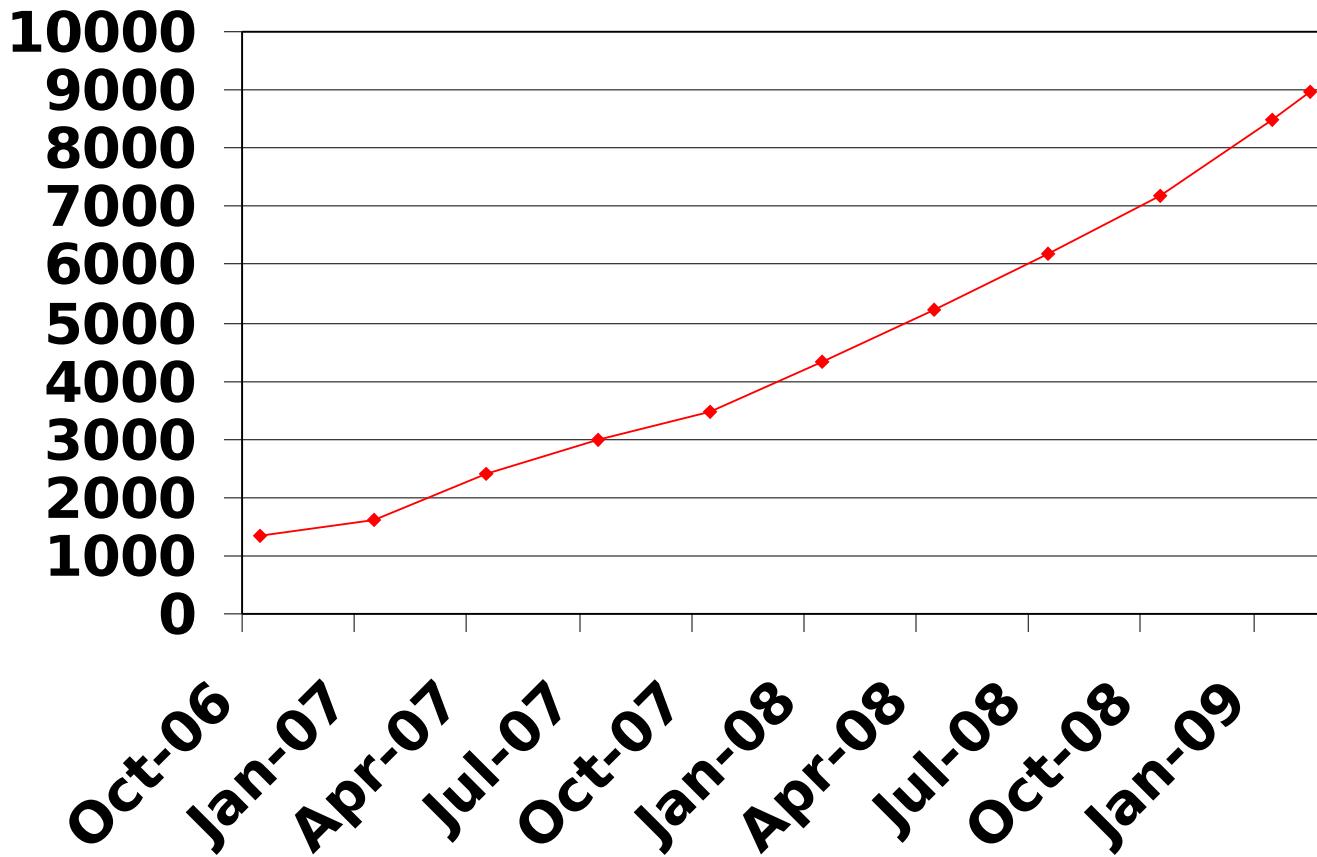


TOGAF™ Momentum

- 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

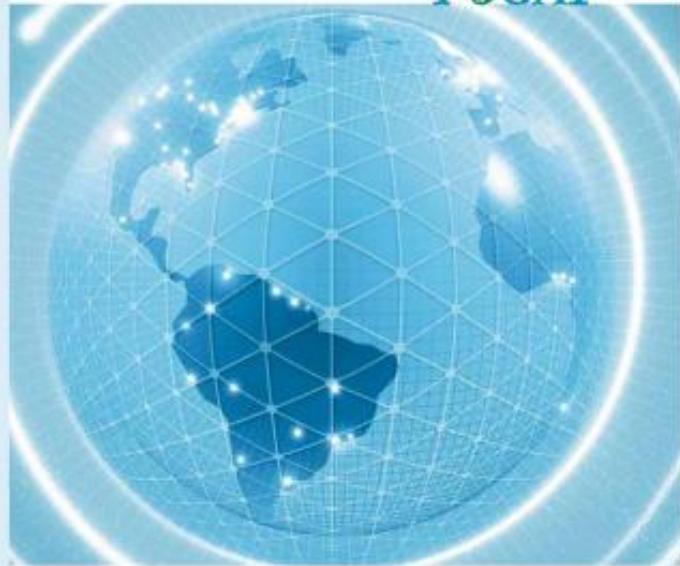
- Ongoing quest for Boundaryless Information Flow™
- In a survey of members, the three most prominent views:
 - The need for closer alignment with the business
 - The desire for simple implementation, greater usability
 - The next version of TOGAF should be an evolution rather than a revolution
- Consideration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

TOGAF™ Version 9

TOGAF



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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

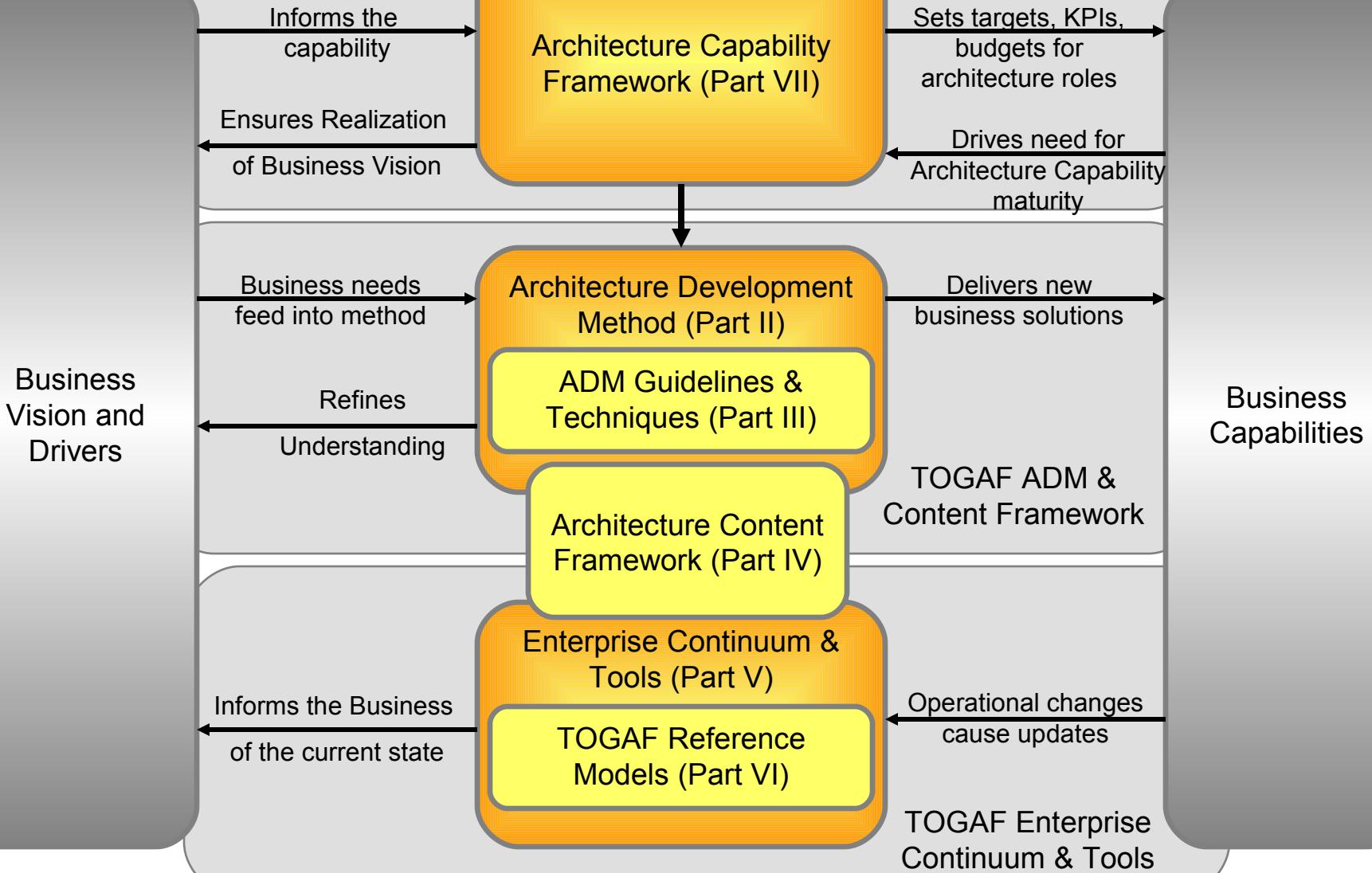
Architecture Contracts

Architecture Governance

Architecture Maturity Models

Architecture Skills Framework

TOGAF Capability Framework



Modular Structure

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

The TOGAF 9 Components

ADM



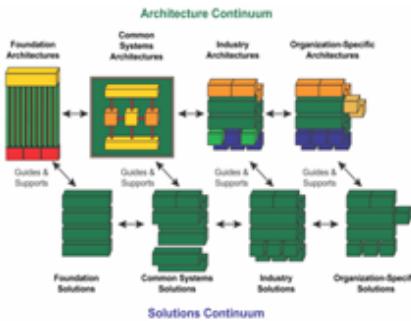
Architecture Content Framework



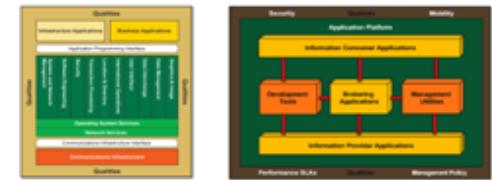
ADM Guidelines & Techniques



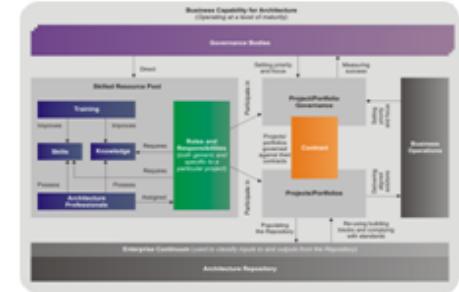
Enterprise Continuum



Reference Models

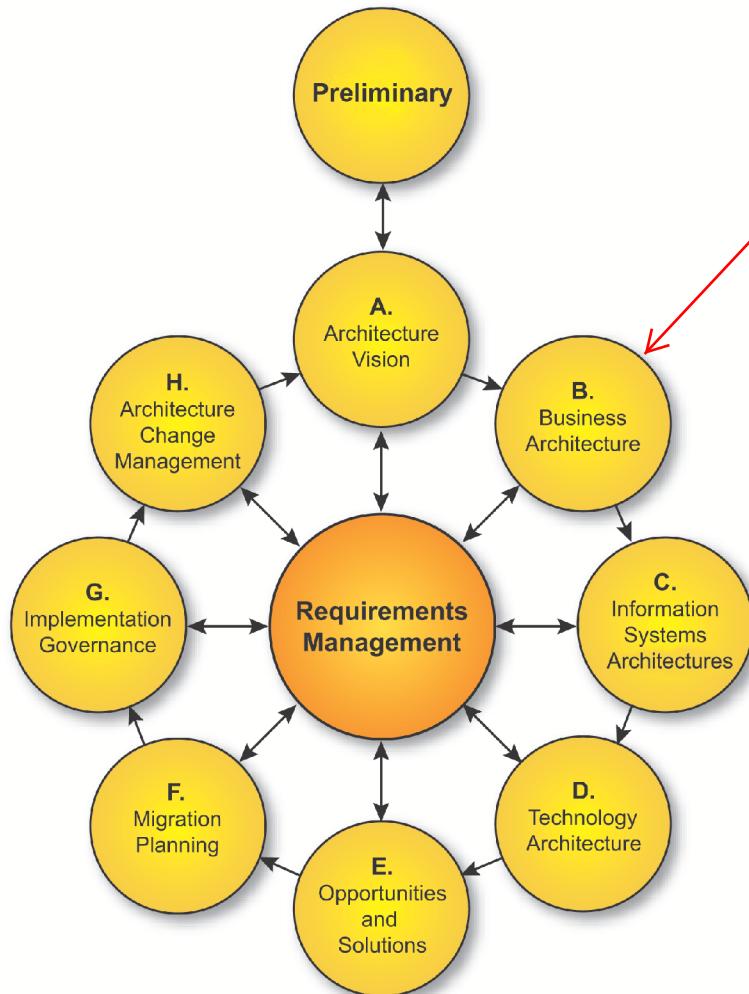


Architecture Capability Framework



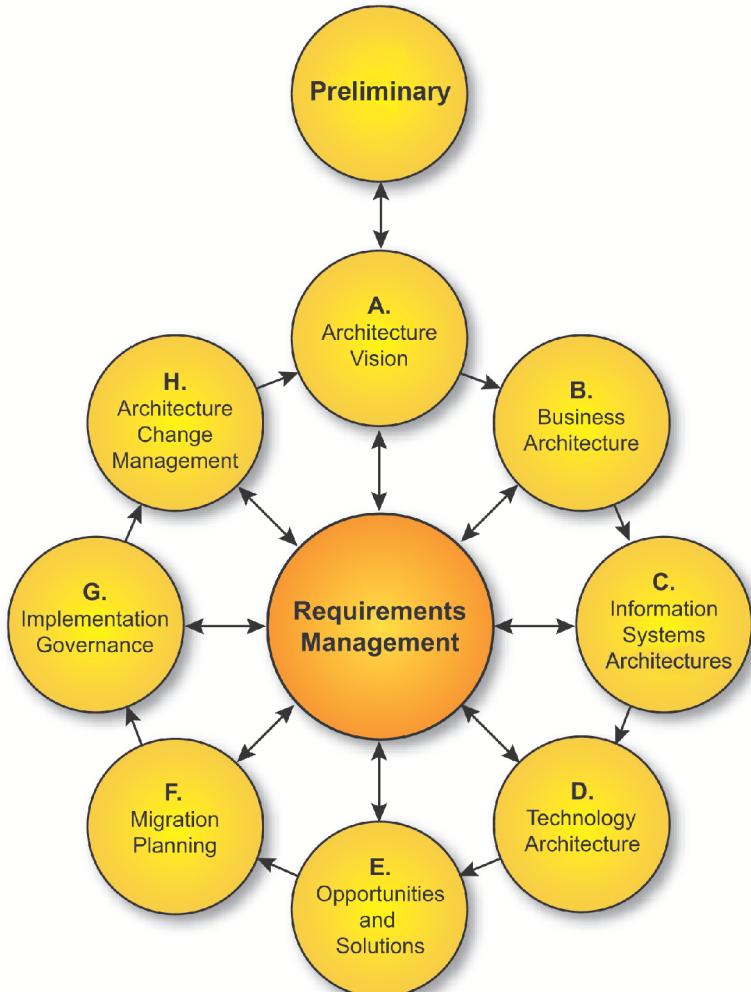
The Architecture Development Method

Each Step of ADM produces further levels of detail. [Iterative]



- 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:

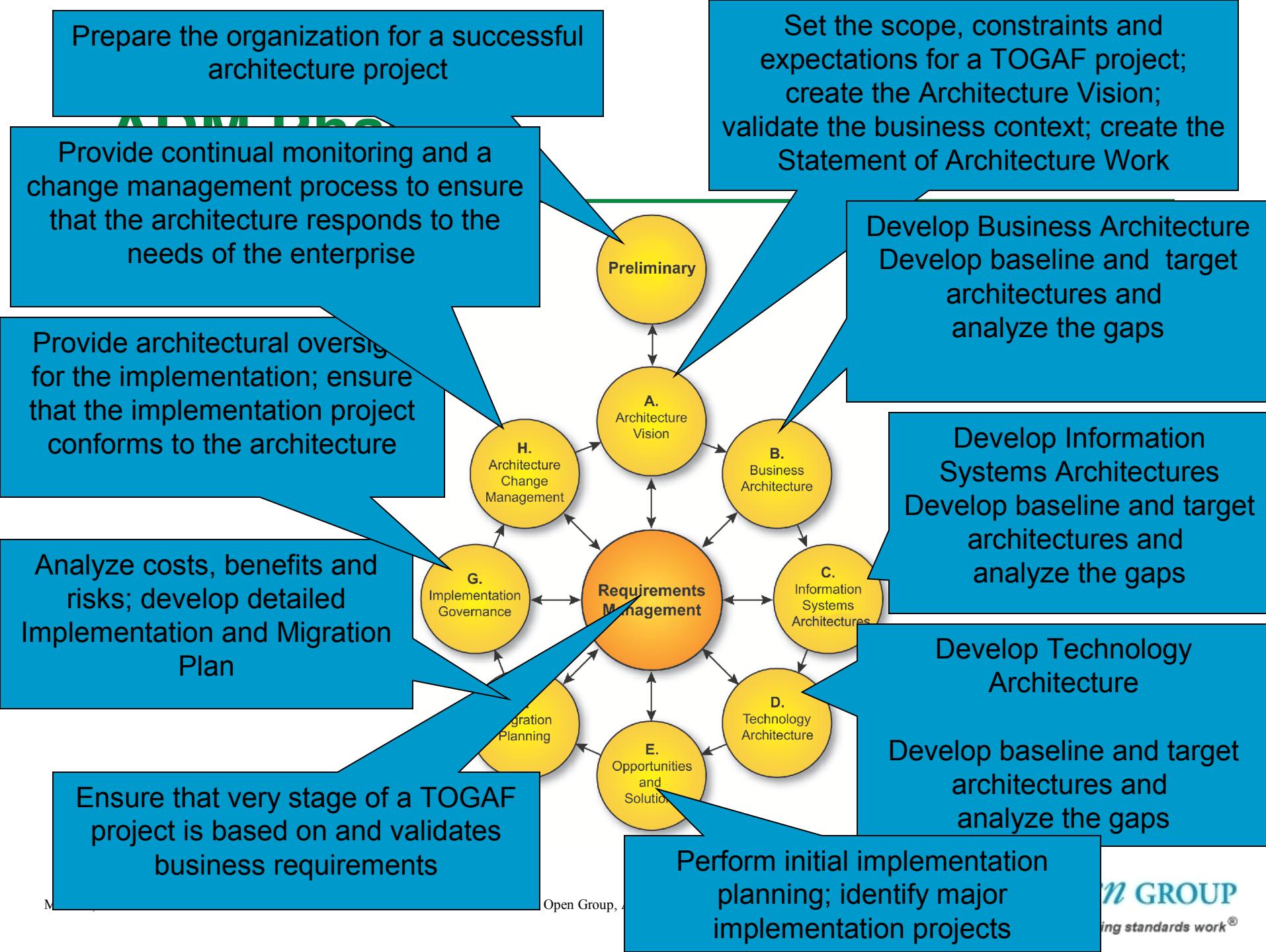
previous ADM iterations

other frameworks, system models, industry models,...

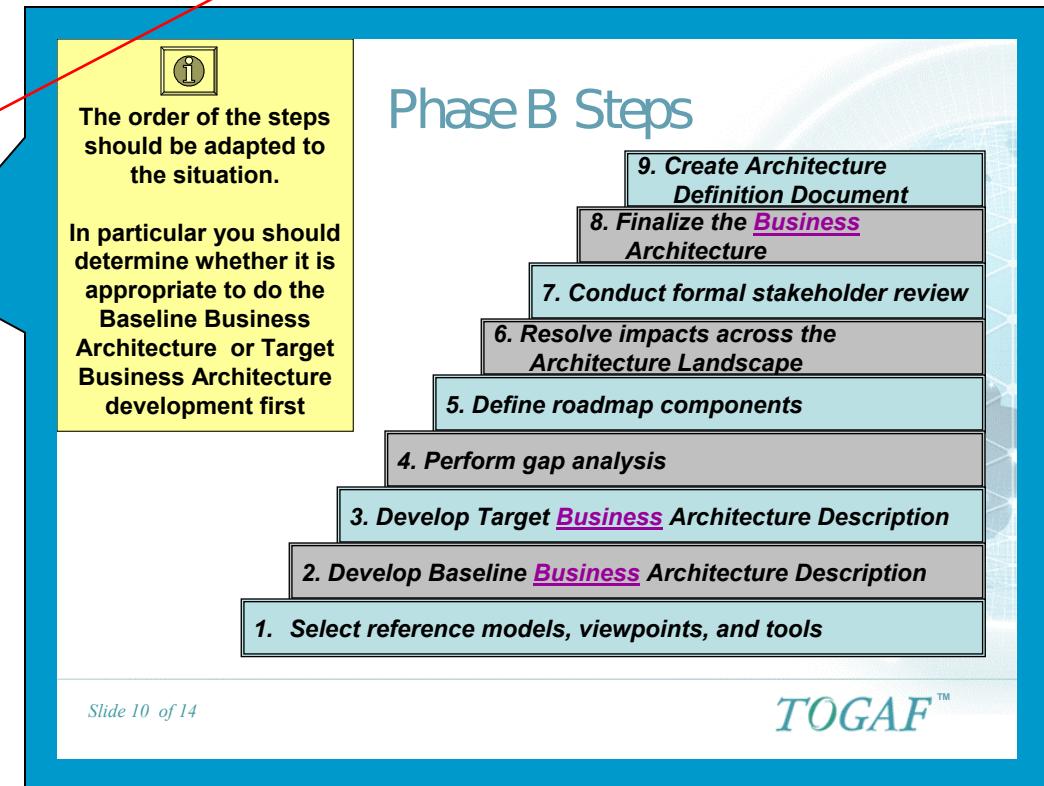
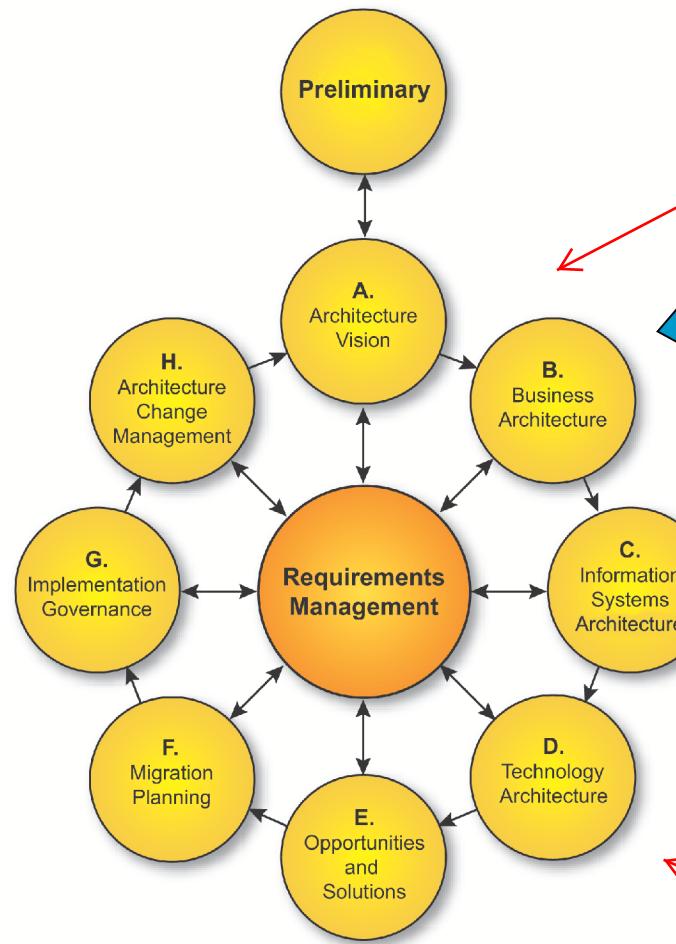
Decisions based on:

Competence / resource availability

Value accruing to the enterprise.



ADM Phase Steps Example

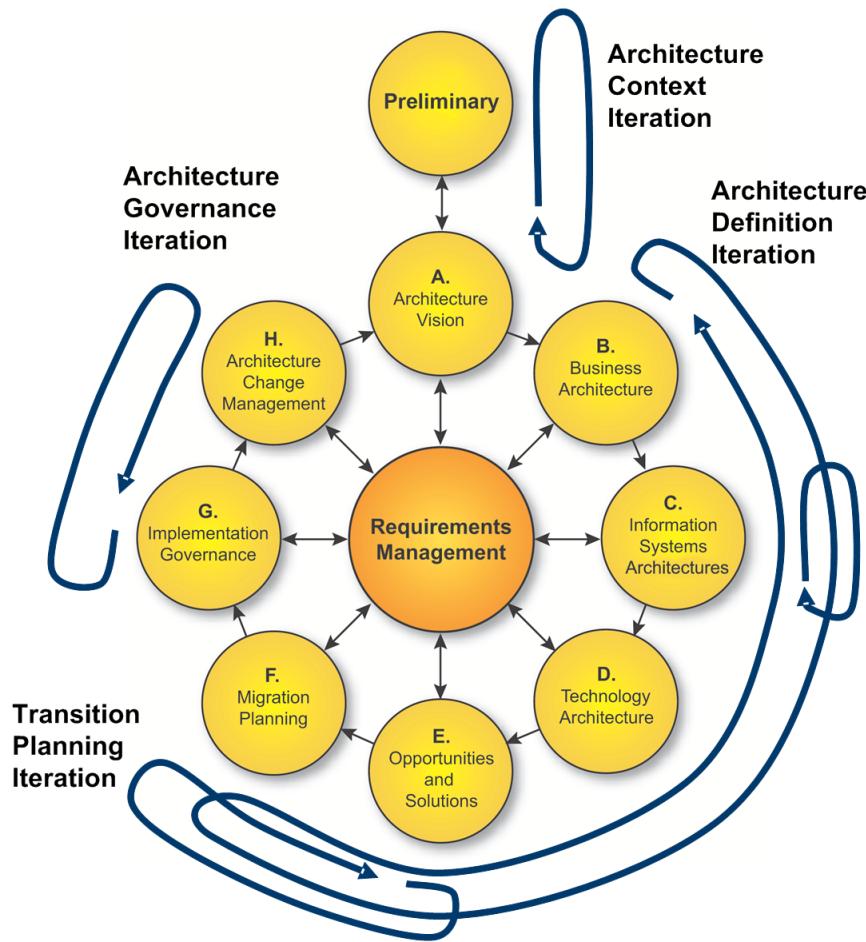


Could cover A,B,C,D a couple of times, interating to further detail.

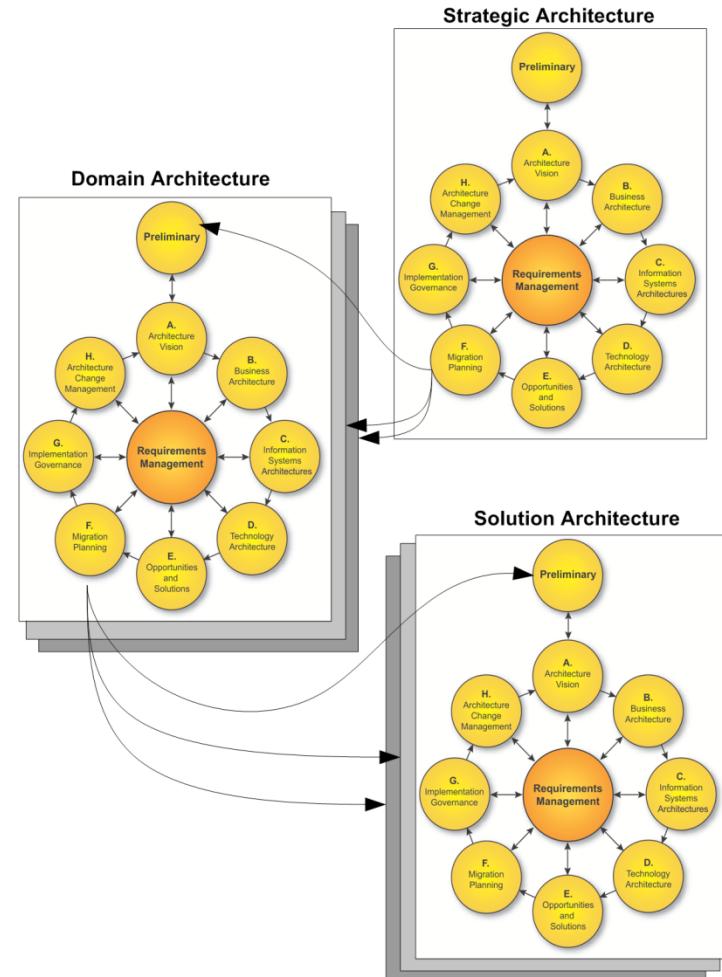
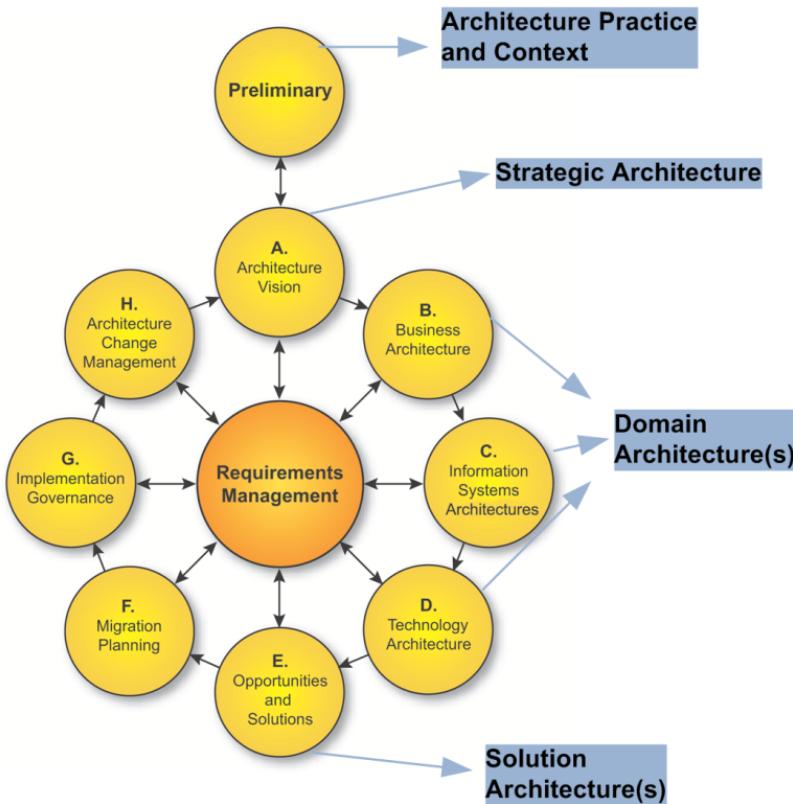
Explicit Consideration of Architectural Style

- 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

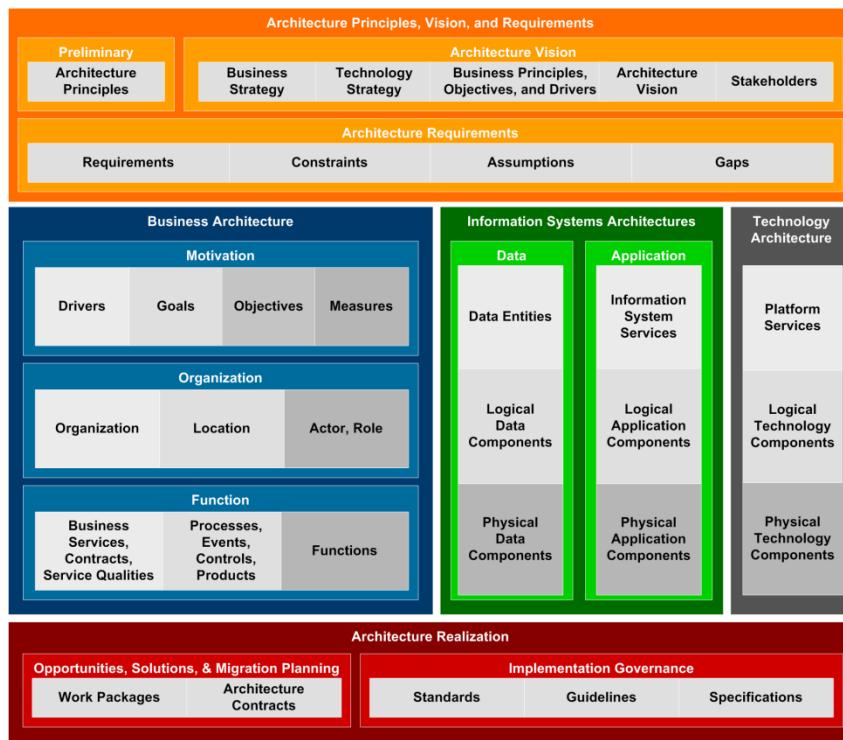
Applying Iteration to the ADM



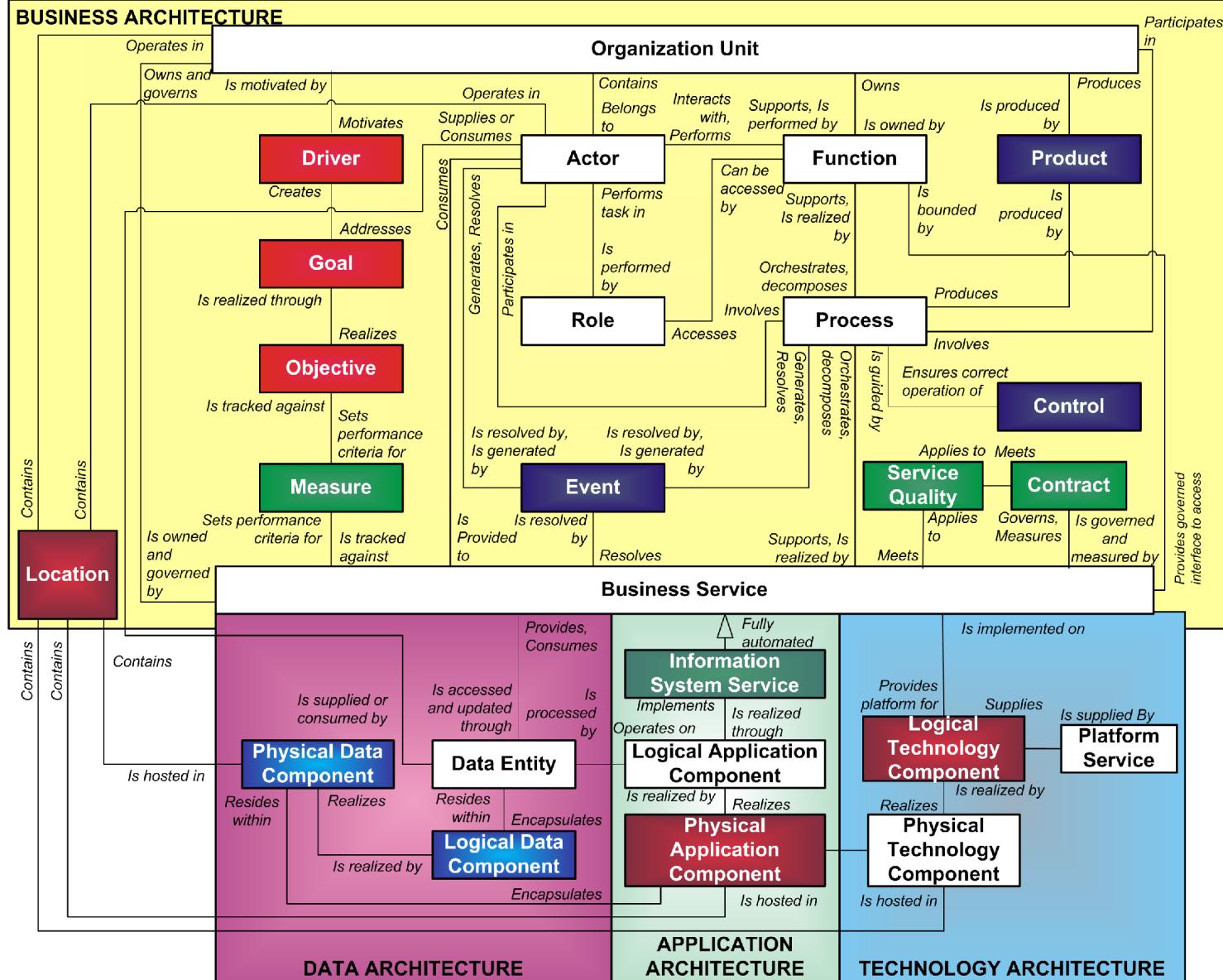
Applying the ADM at Different Levels



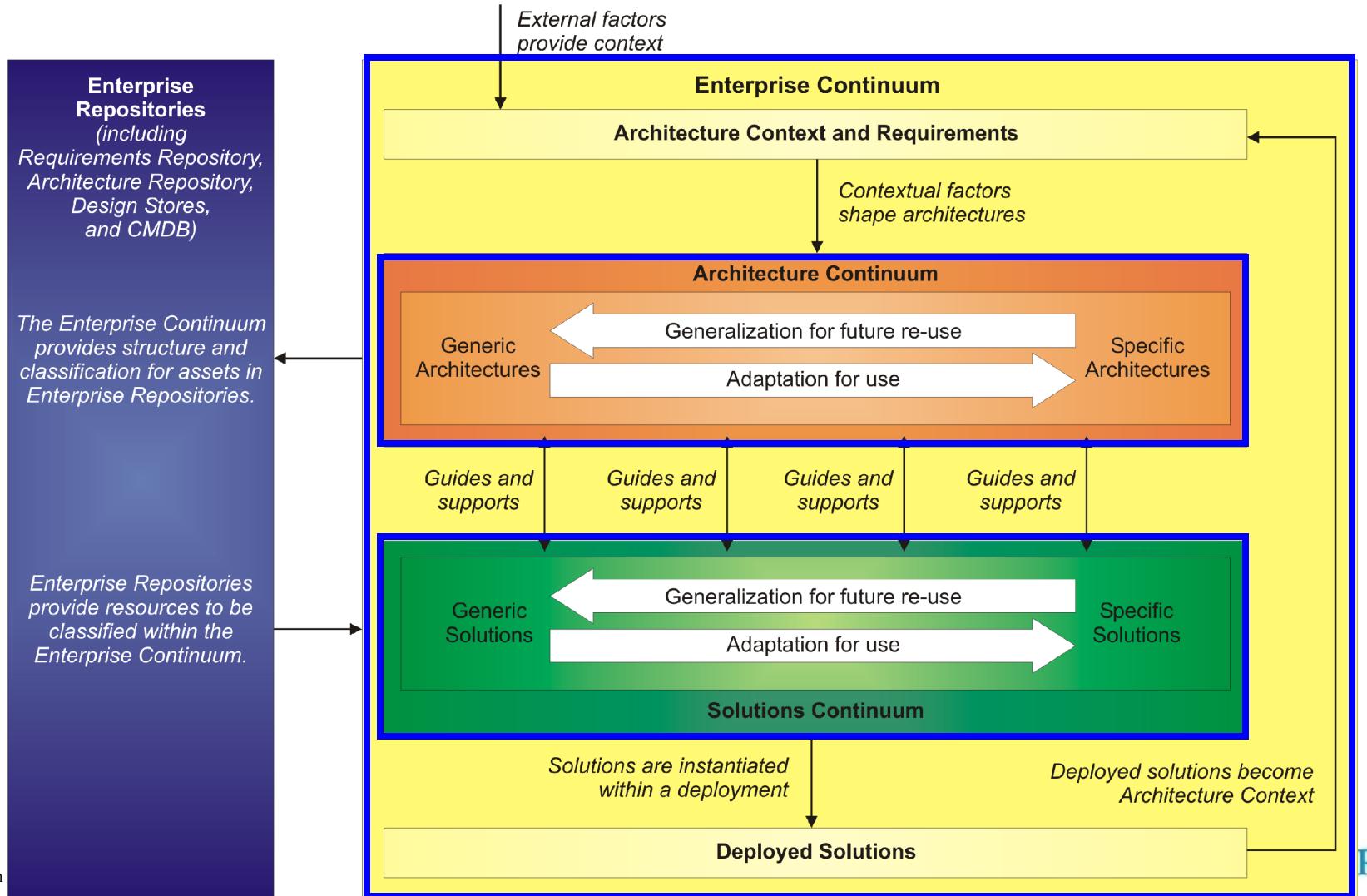
Architecture Content Framework



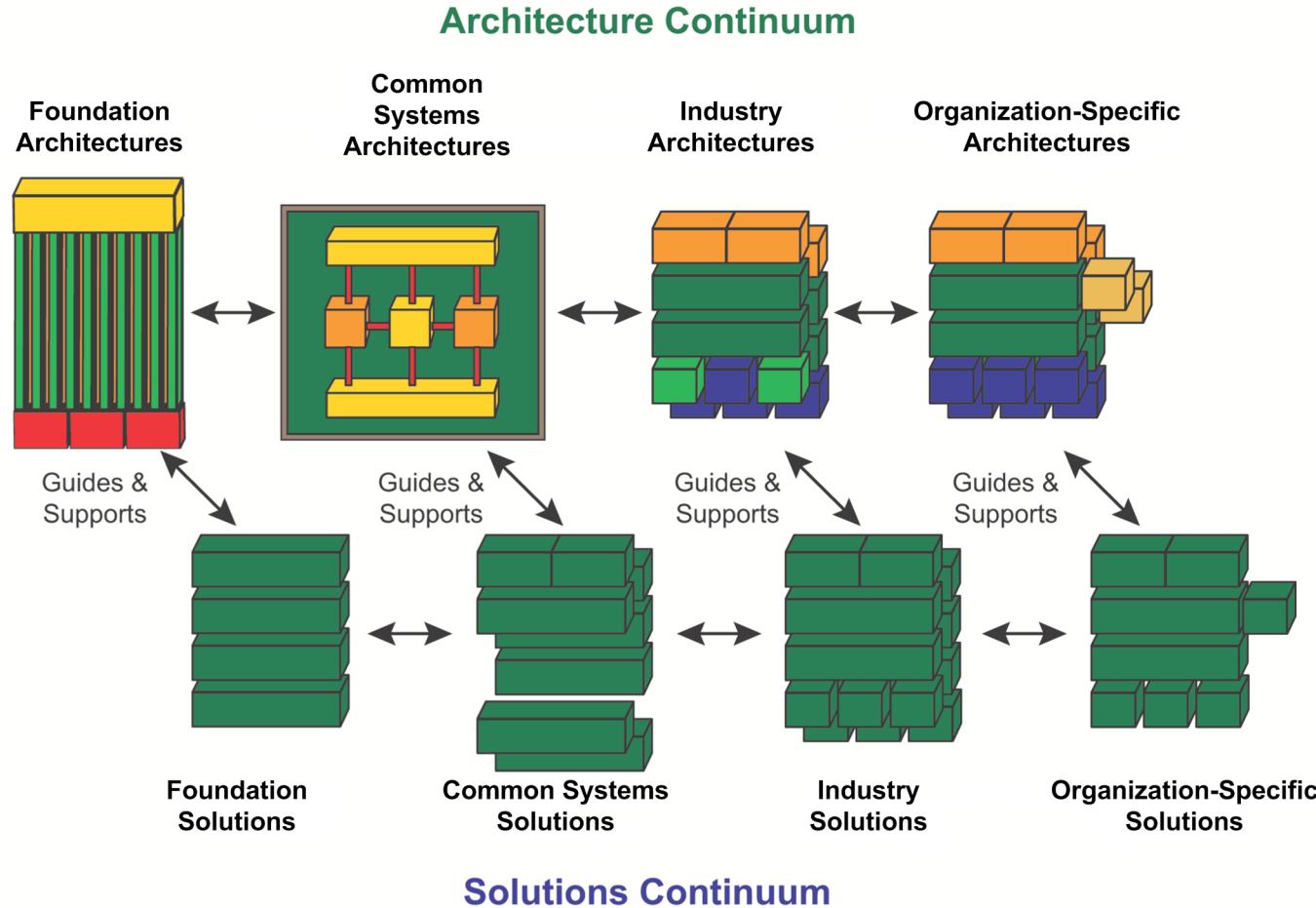
- Significant addition to TOGAF 9 that provides:
 - a structured metamodel for architectural artifacts
 - consistent use of architecture building blocks
 - a comprehensive checklist of architecture outputs
 - an overview of typical architecture deliverables
 - better integration of architectural work products
 - a detailed open standard for describing architectures



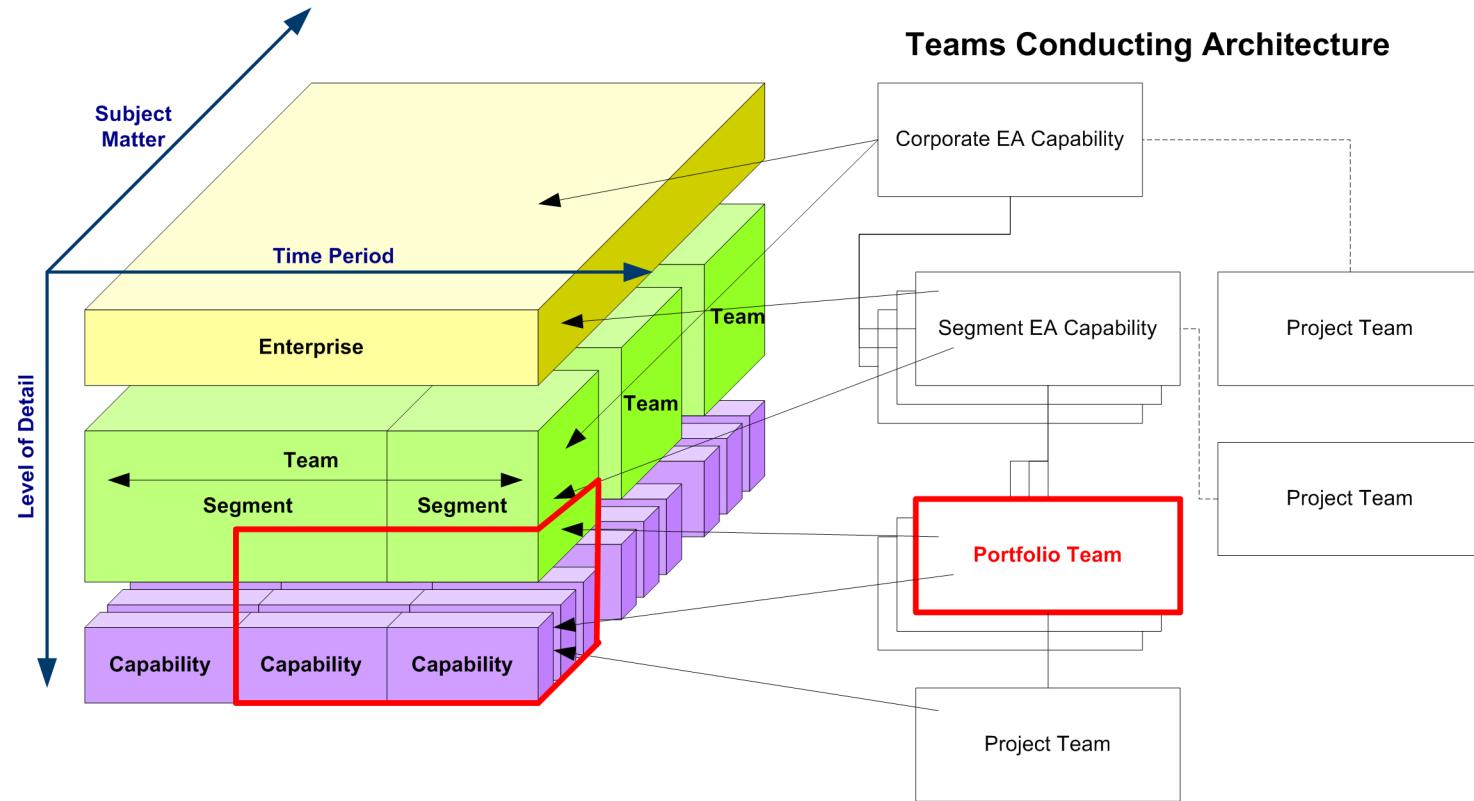
Enterprise Continuum



The Enterprise Continuum

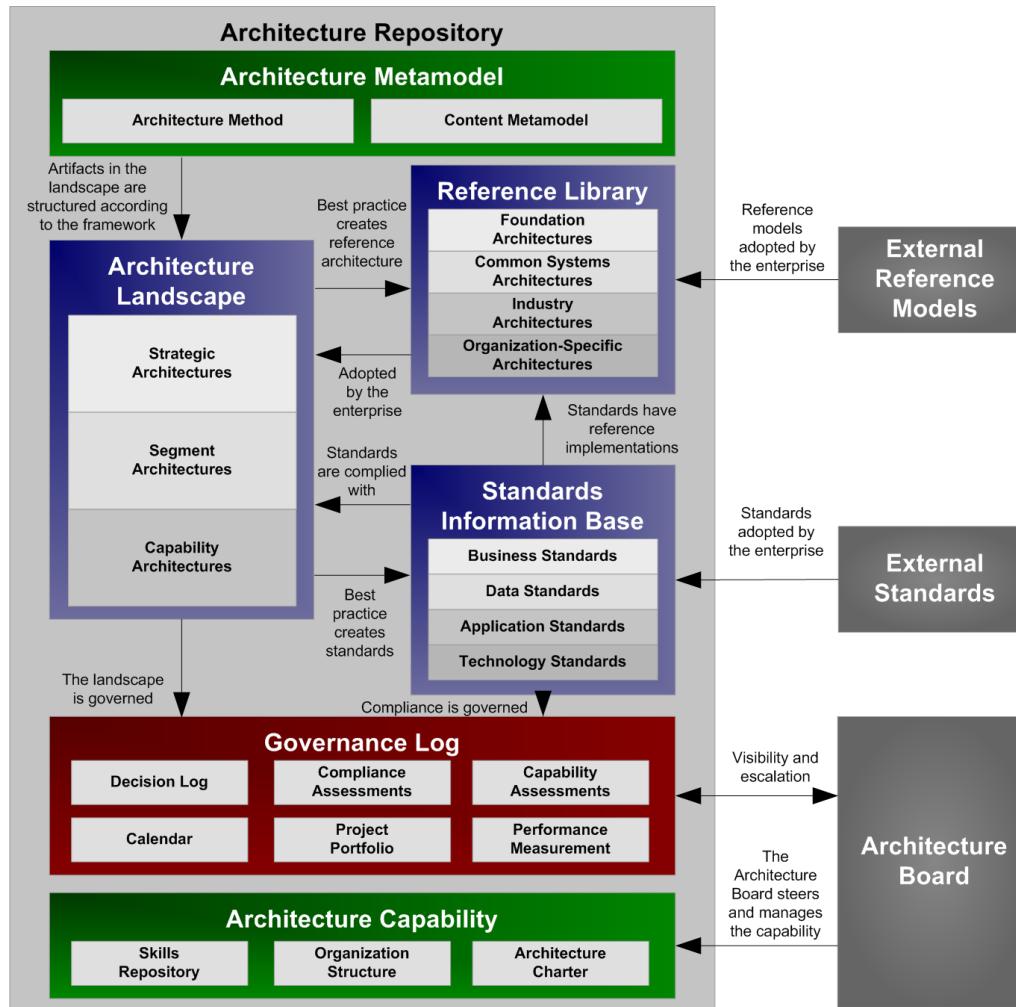


Partitioning



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

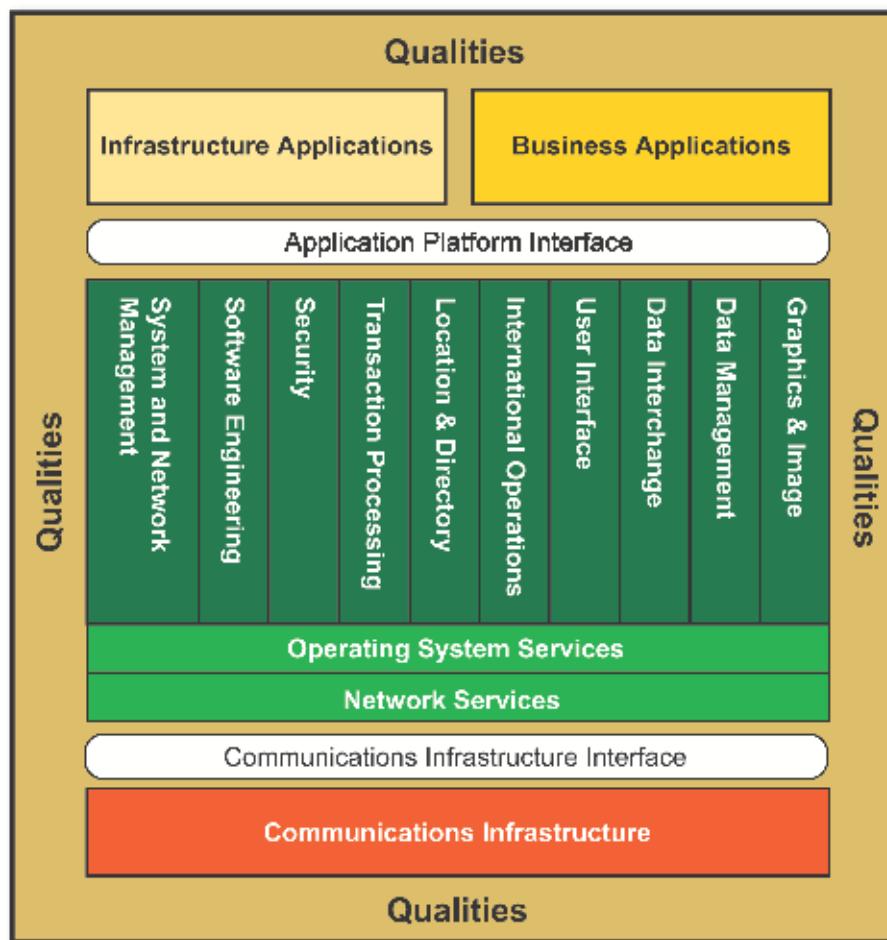
Architecture Repository



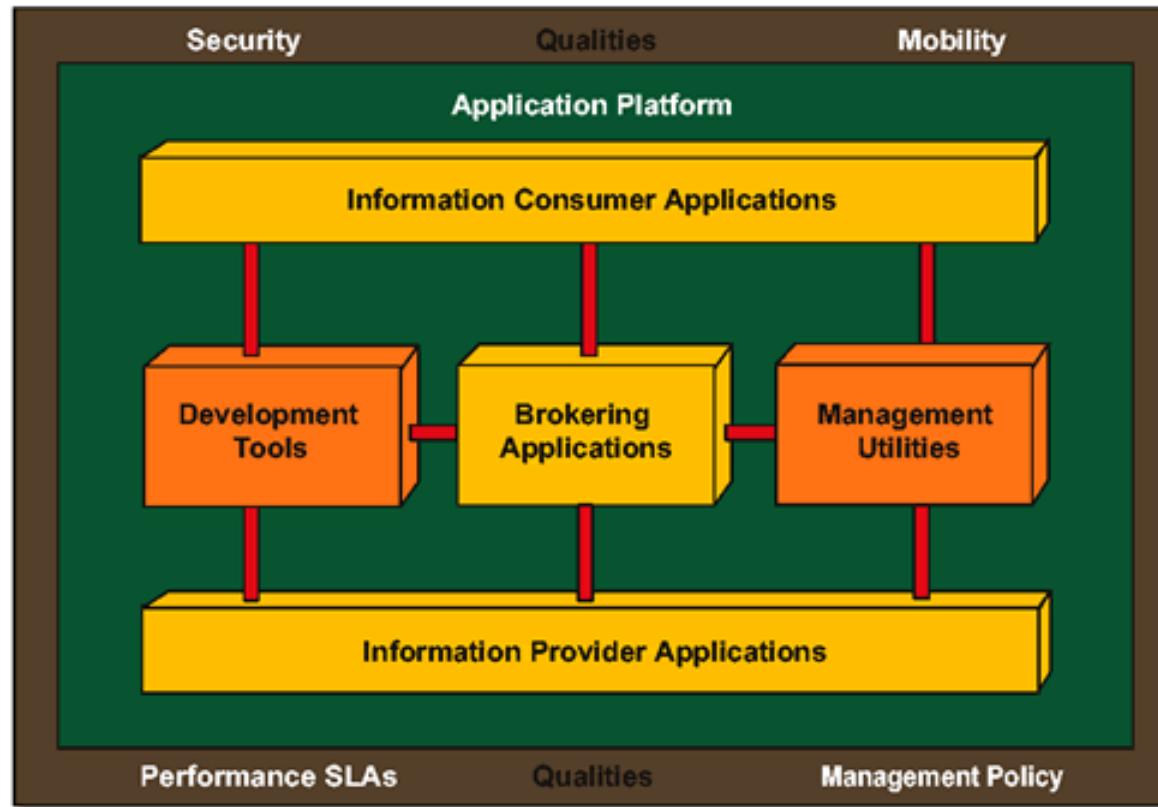
TOGAF Reference Models

- 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™*

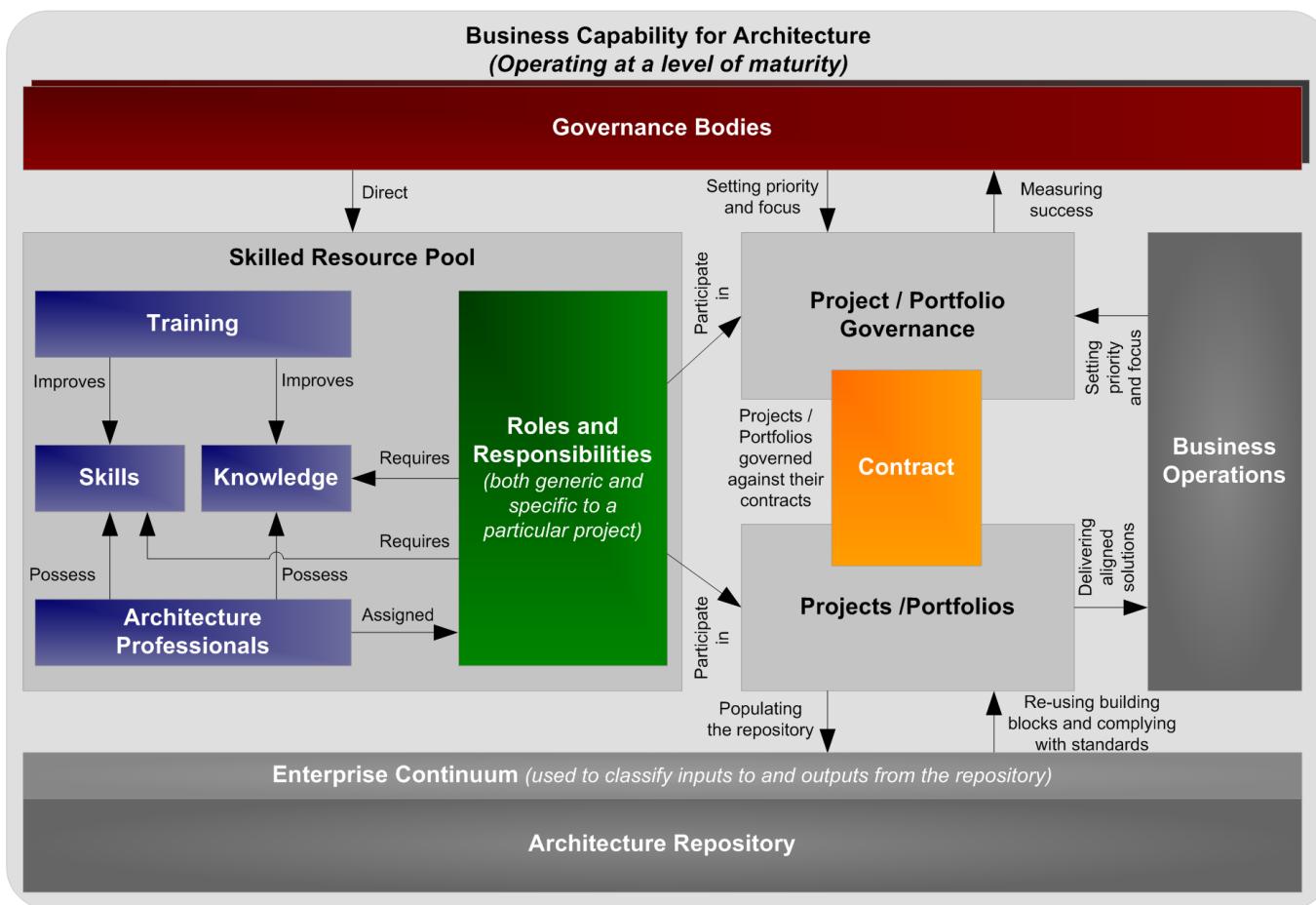
Detailed TRM



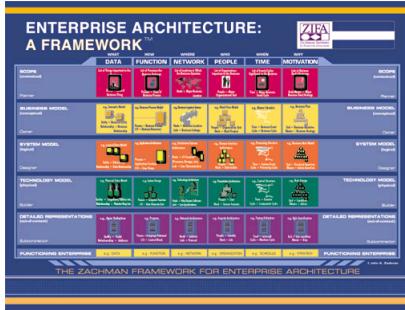
The III-RM



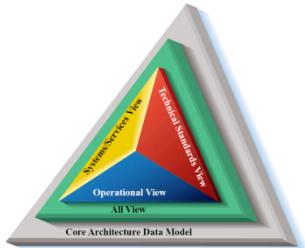
Capability Framework



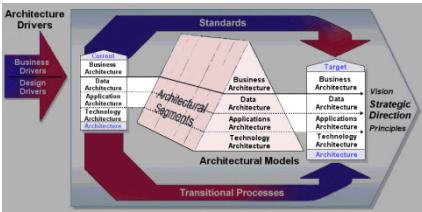
Stand-alone or Complementary



Zachman Framework



DoD Architecture Framework



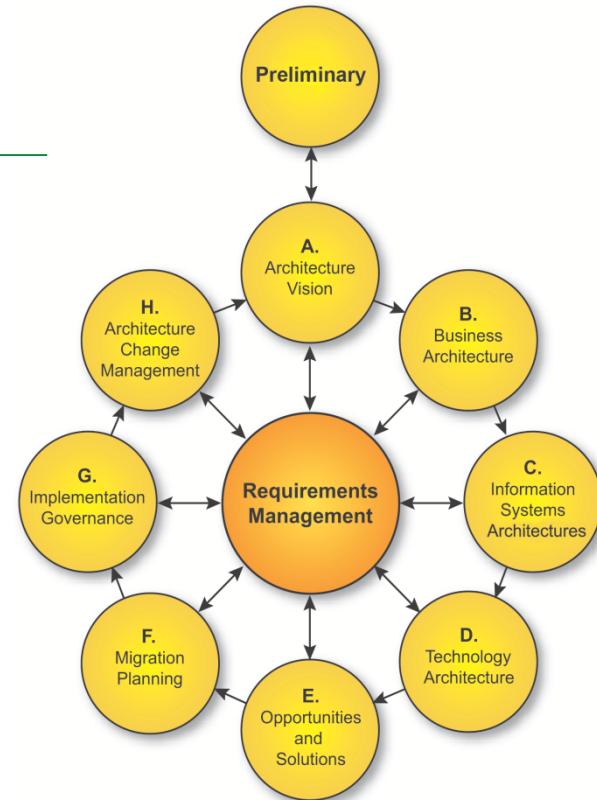
Federal Enterprise Architecture Framework

March 2, 2009

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Support or
Guidance



TOGAF 9

Other Frameworks

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Making standards work®

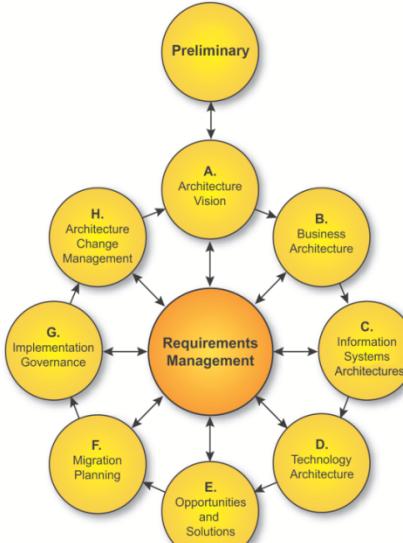
Complementary

ITIL

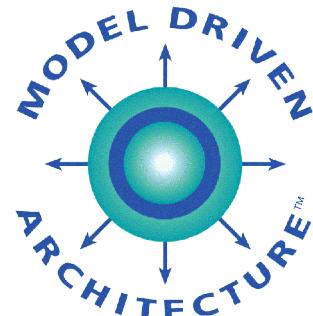
IT Service Management
Best Practice

COBIT

Governance and
control



TOGAF 9



Framework, method
and resources

Modeling languages
and notation

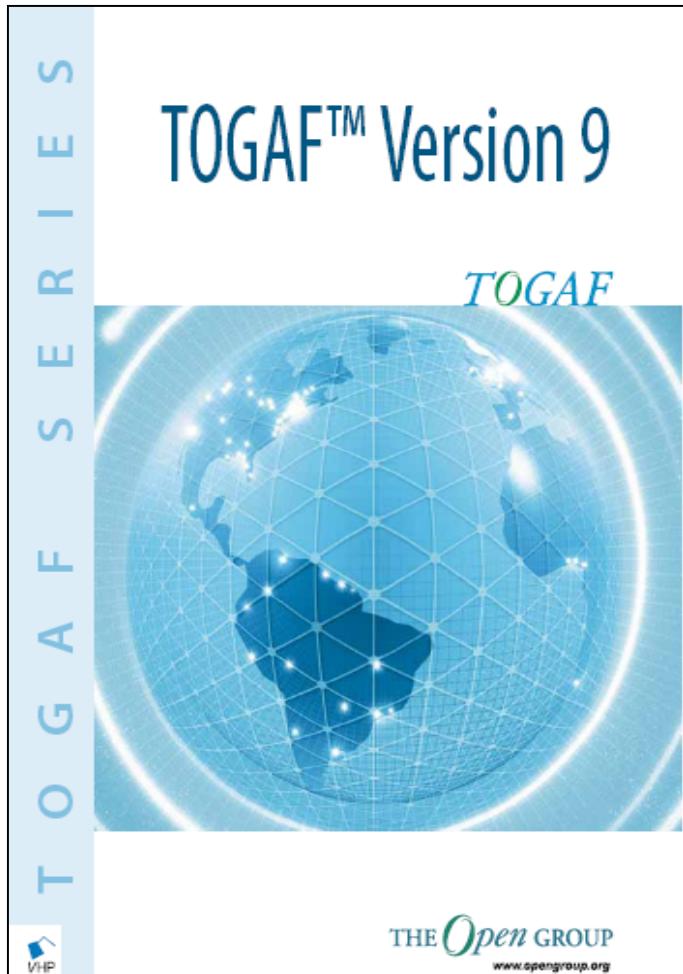
Value of TOGAF™ 9 Certification

- 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

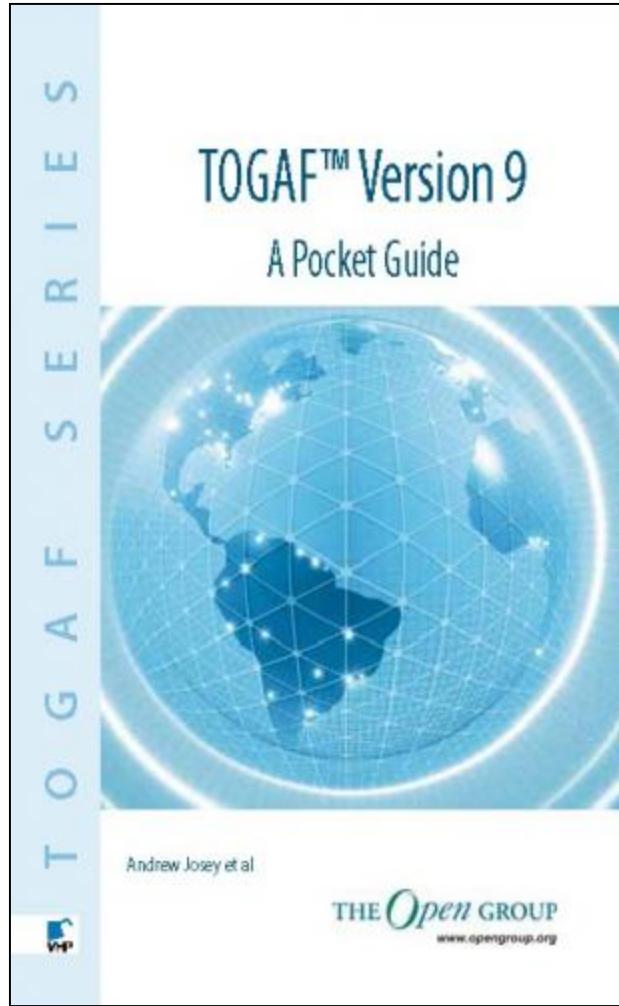
- Detailed information on TOGAF 9 including downloads of the specification, links to white papers, information sheets, reference cards, etc
 - <http://www.opengroup.org/togaf/>
 - <http://www.togaf.info>

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?
