



# An Introduction to TOGAF (The Open Group Architecture Framework)

## Self Introduction

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- Visit: [www.architecting-the-enterprise.com](http://www.architecting-the-enterprise.com)

## What is The Open Group?

- The Open Group is an international vendor and technology-neutral consortium committed to
  - Bringing together buyers and suppliers of information technology
  - To lower the time, cost and risk associated with integrating new technology across the enterprise.



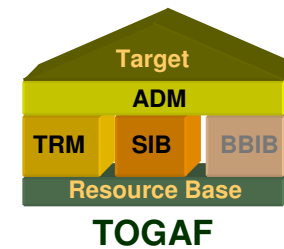
THE *Open* GROUP

## The Open Group Architecture Forum

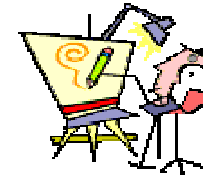
- The Architecture Forum members are committed to the role of IT architecture
  - Providing a strategic context for the evolution of Information Technology
  - Responding to the constantly changing needs of the business environment.

## Architecture Forum – Vision

- An effective open framework and method for Enterprise Architecture



- Enterprise Architecture as a professional discipline



- Adequate “Commercial Off-The-Shelf” architecture tools



## What is an Enterprise?

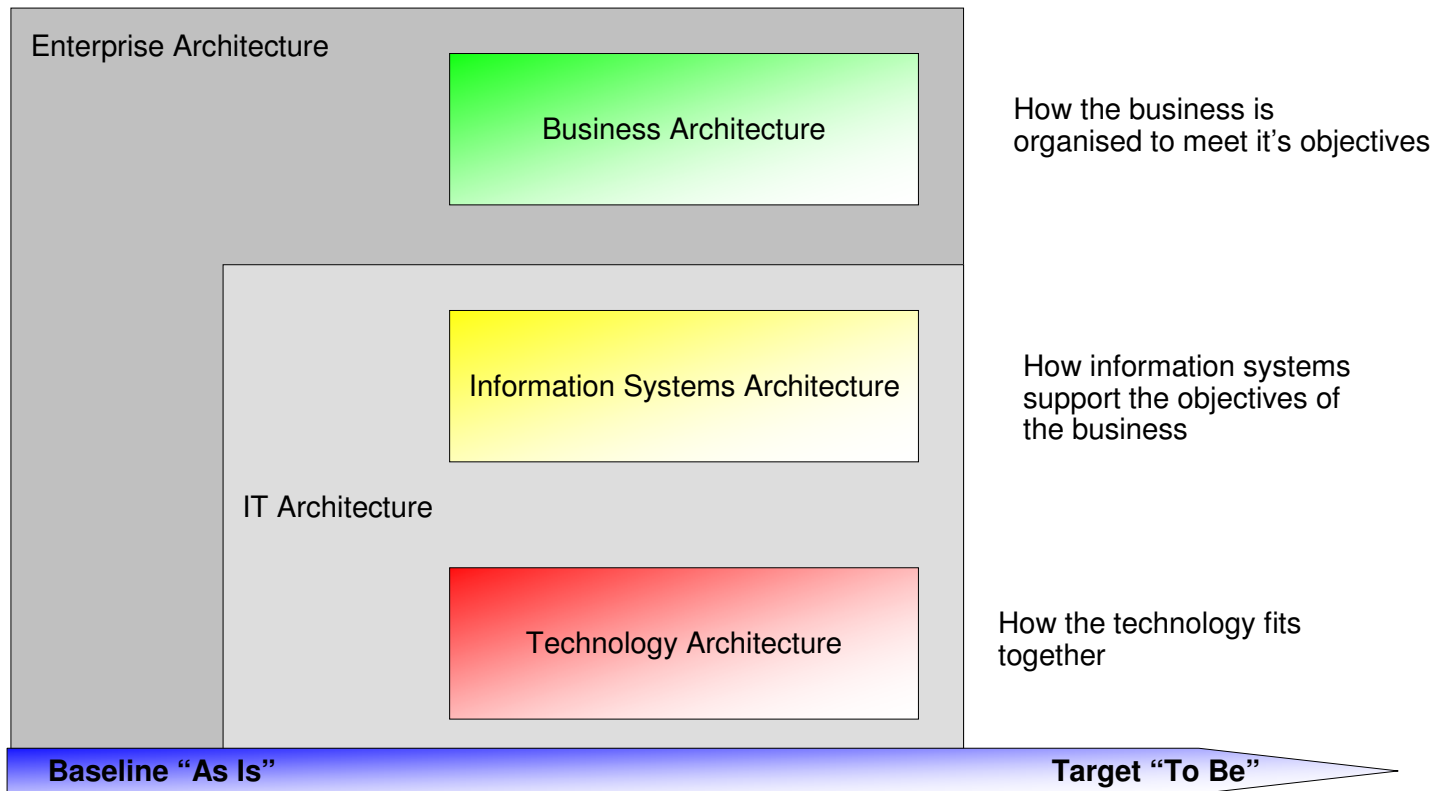
- Collection of organizations that share a common set of goals
  - Government agency
  - Part of a corporation
  - Corporation
  
- Large corporations may comprise multiple enterprises
  
- May be an “extended enterprise” including partners, suppliers and customers

## What is an Architecture?

- An Architecture is the fundamental organization of a system, embodied in
  - its components,
  - their relationships to each other and the environment,
  - and the principles governing its design and evolution.

Adapted from ANSI/IEEE Standard 1471-2000

## Levels of Architecture





## What is an Architecture Framework?

- A toolkit which can be used for developing a broad range of different architectures
  - Architecture Development Method
  - Tools
  - Common vocabulary.
  - Recommended standards
  - Compliant products

## The Value of a Framework

- Provides a practical starting point for an Architecture Project
  - Avoids the initial panic when the scale of the task becomes apparent
  - Systematic – “Codified common sense”
  - Captures what others have found to work in real life
  - Baseline set of resources

## TOGAF Development

- 1994: Requirement
- 1995: TOGAF Version 1 – Based on TAFIM from US DoD
- 2001: TOGAF Version 7 – Technical Edition
- 2002: TOGAF Version 8 – Enterprise Edition
- 2006: TOGAF Version 8.1.1

## TOGAF 8 Scope

- TOGAF 8 covers the development of four related types of architecture:

- Business architecture

- Data or information architecture

- Application architecture

- Technology architecture

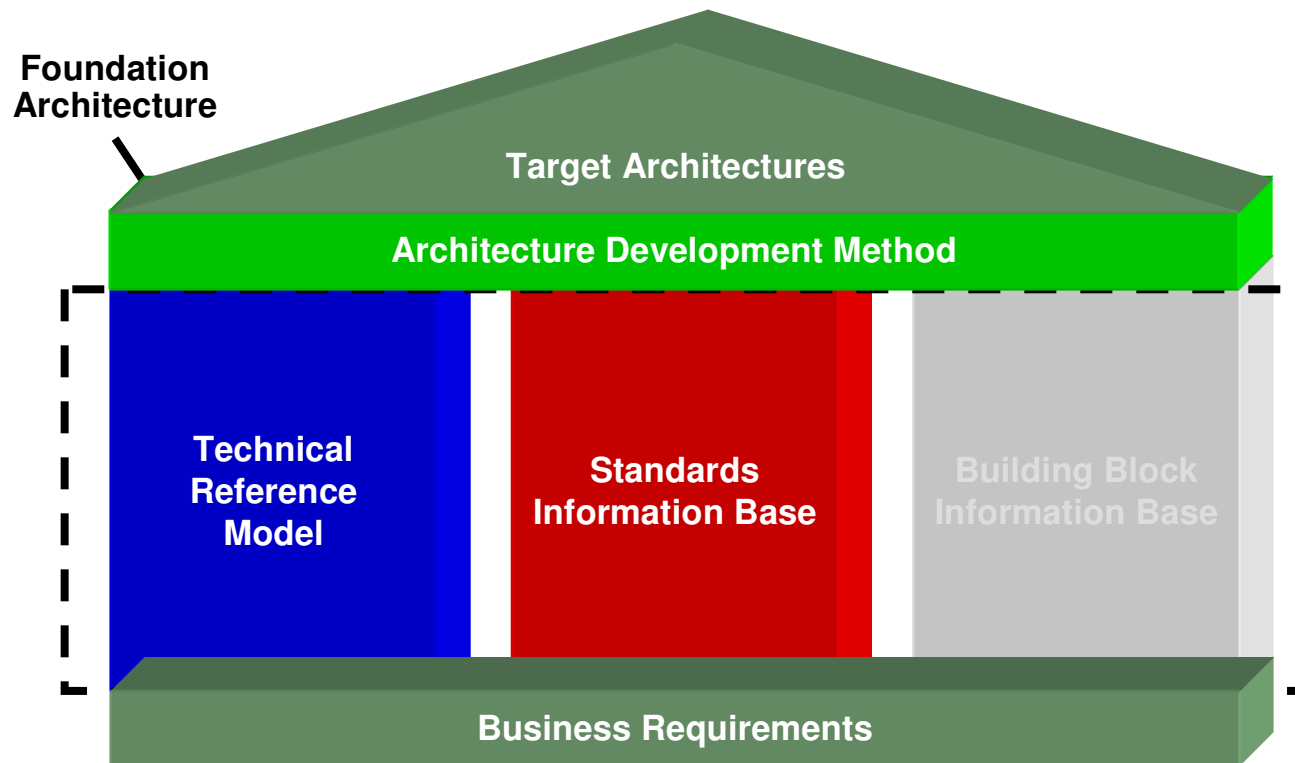
**TOGAF 8**  
**“Enterprise Edition”**

**TOGAF 7 “Technical Edition”**

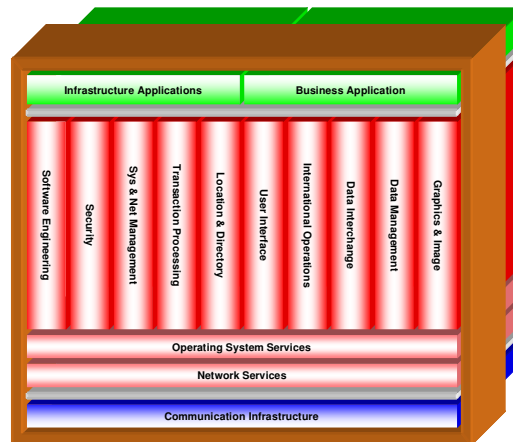
## TOGAF Goals

- An industry standard, generic enterprise architecture method
  
- Usable in conjunction with other frameworks
  - Zachman
  - Spewak
  - DODAF
  - FEAF
  - TEAF
  - ...

## The Components of TOGAF

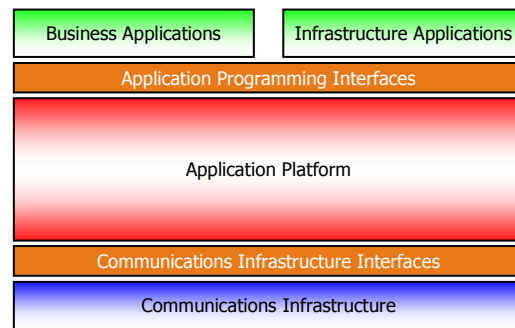


## Reference Model(s)

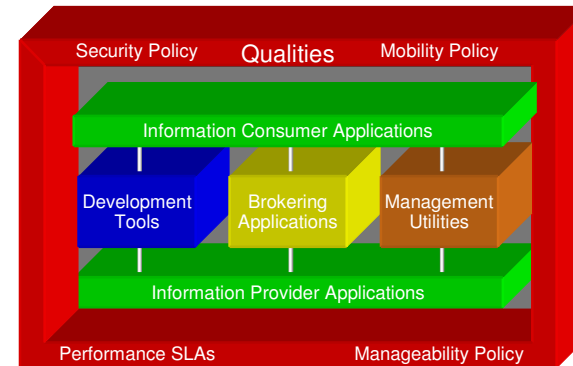


- A major challenge in any project is effective communication between all participants
- Reference models create the common vocabulary and structure
- Use of reference model(s) is essential to identify duplicate functionality and opportunities for infrastructure simplification

## Technical Reference Models in TOGAF



- Technical Reference Model
  - Focuses on the application platform

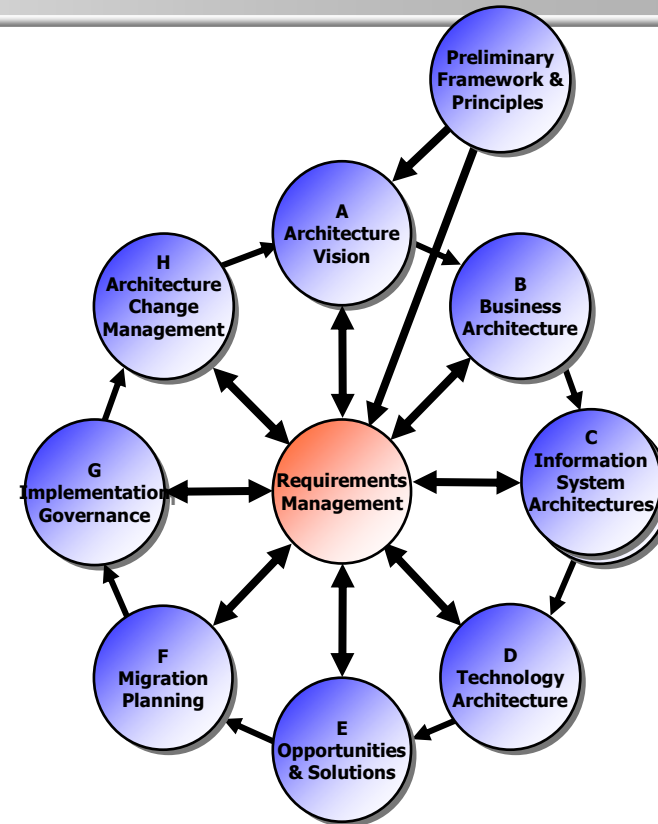


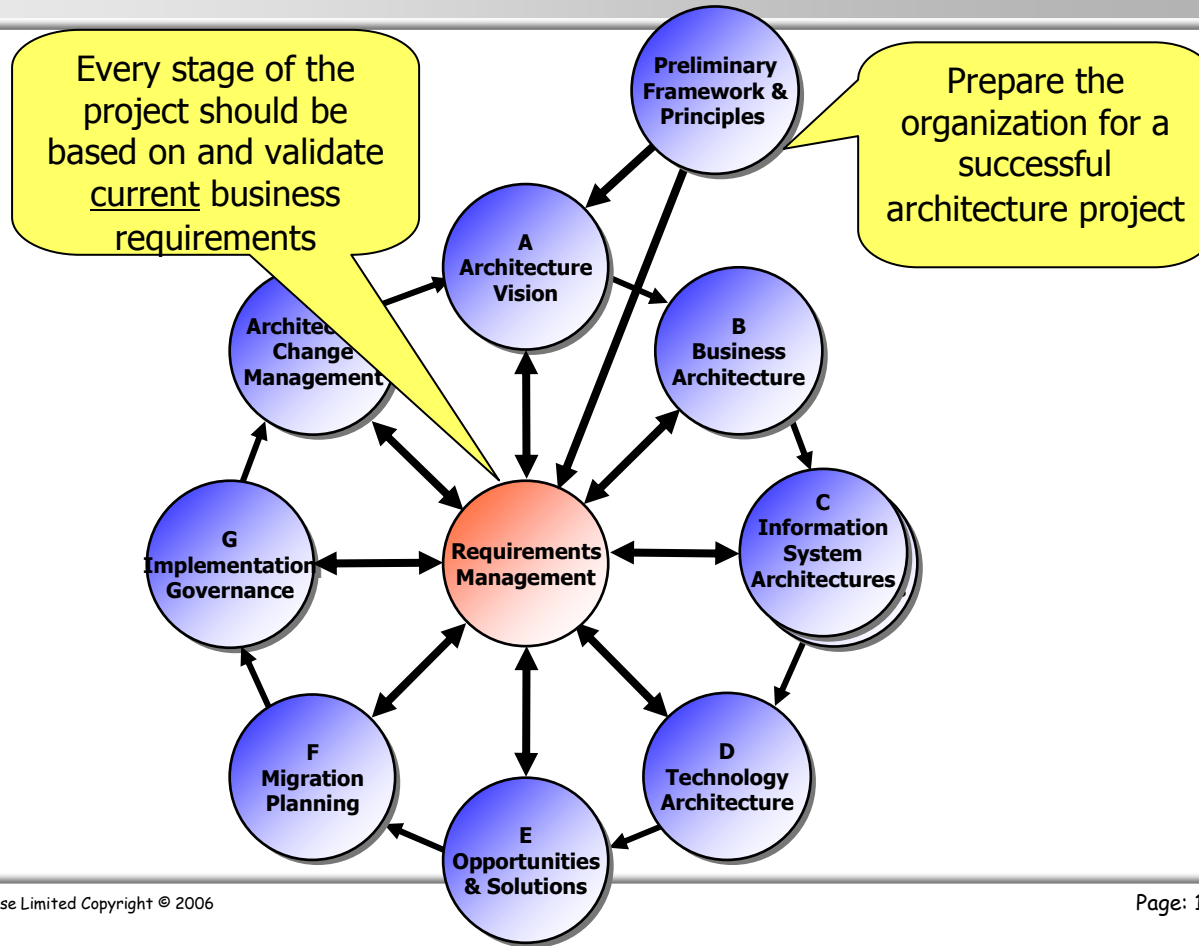
- Integrated Information Infrastructure Reference Model
  - Focuses on the flow of information at the application level

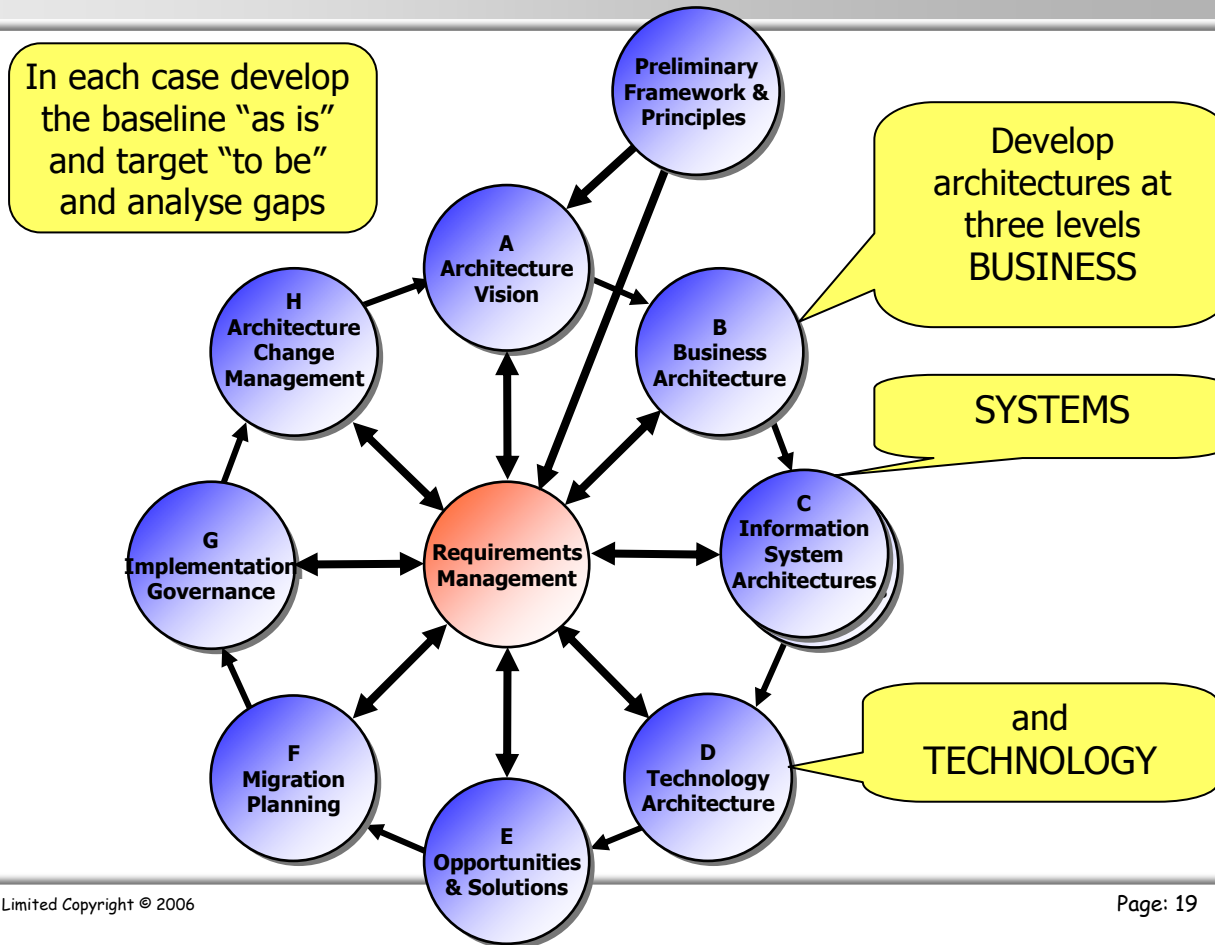


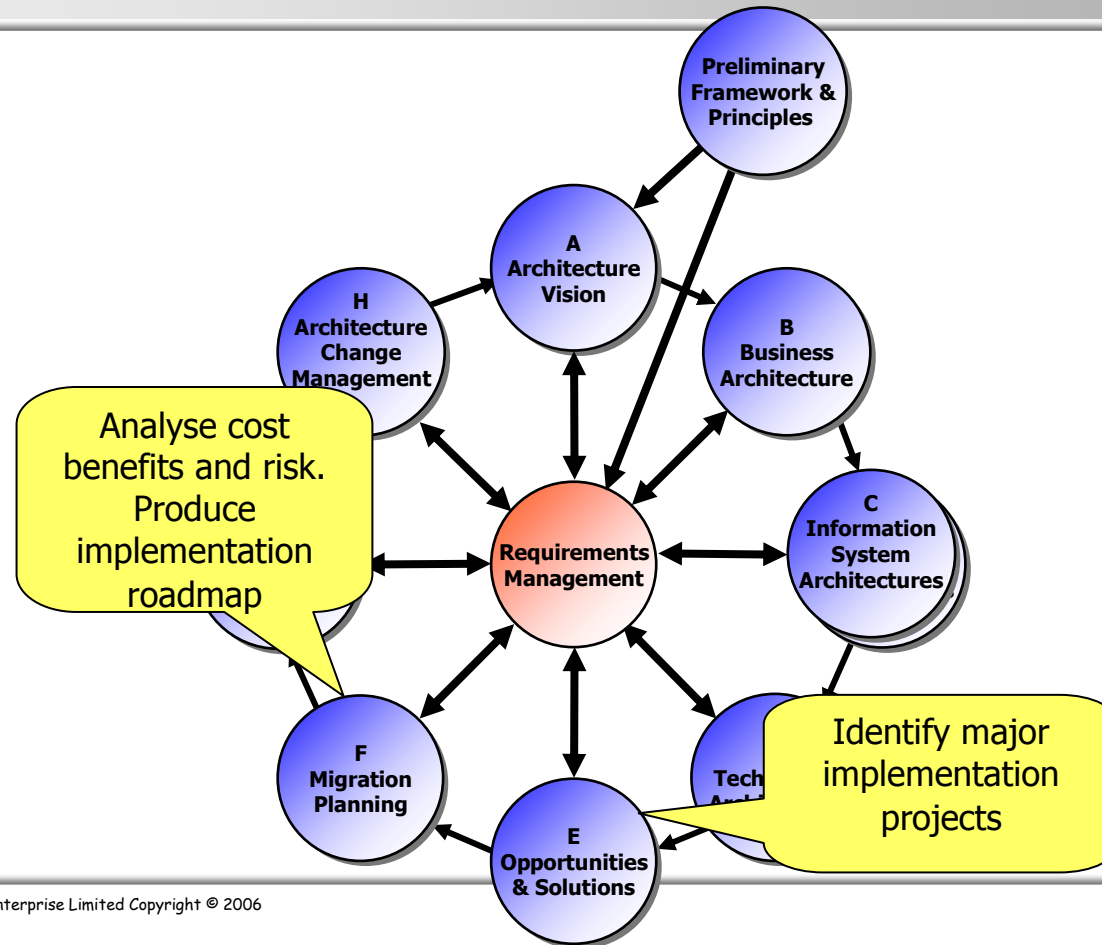
## Enterprise Architecture Development Method

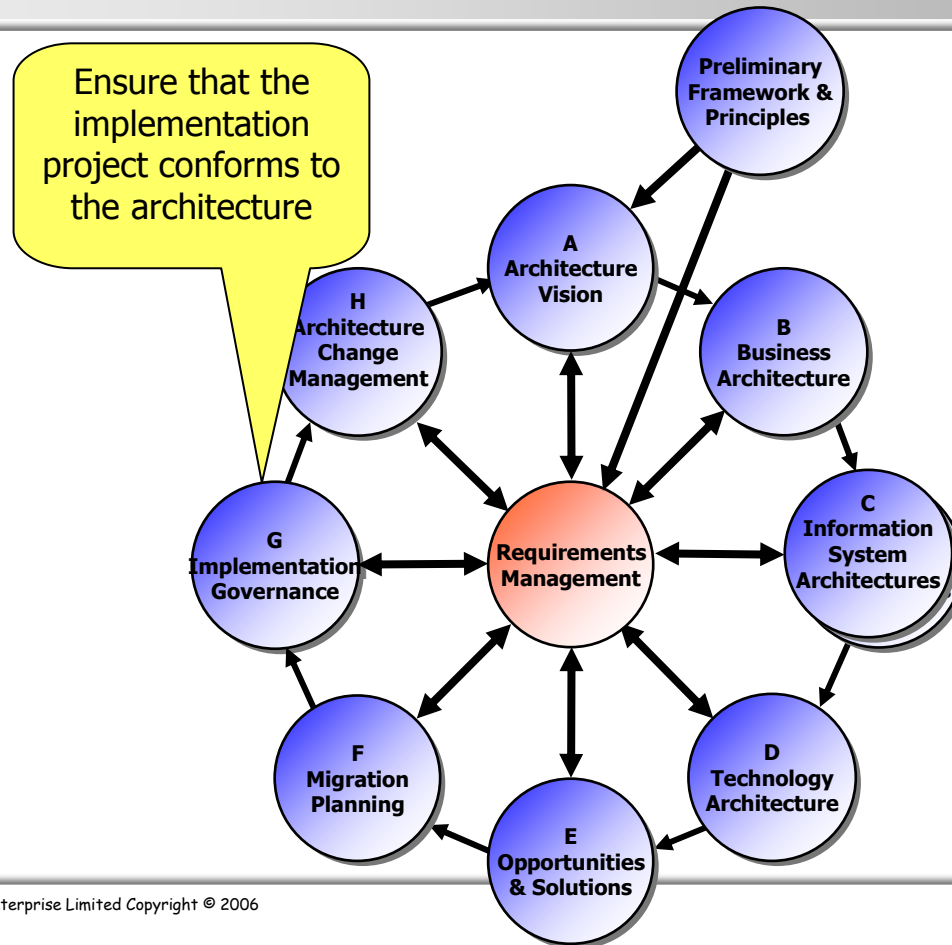
- An iterative method
- Each iteration = new decisions:
  - Enterprise coverage
  - Level of detail
  - Time horizon
  - Architecture asset re-use
- Decisions based on:
  - Competence / resource availability
  - Value accruing to the enterprise

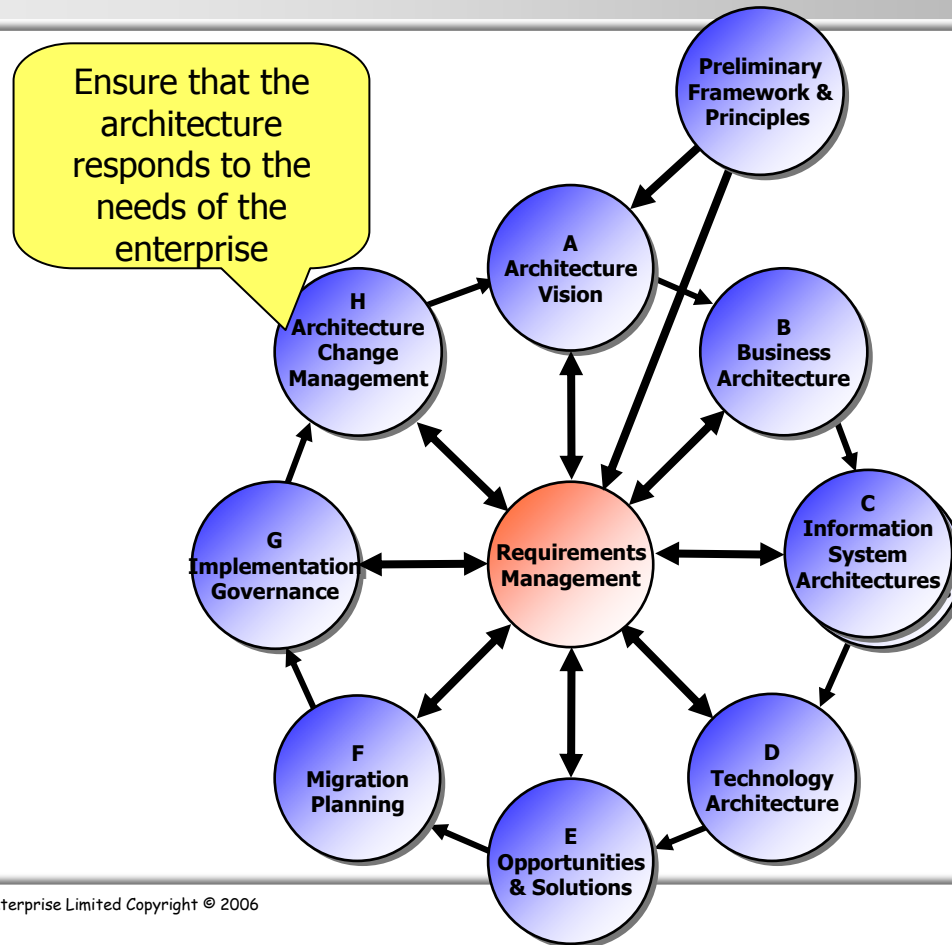












## TOGAF 8 Summary

- An effective, industry standard framework and method for enterprise architecture.
- Complementary to, not competing with, other enterprise frameworks
- A repository of best practice
  - “Demystifies” architecture development
- A framework and method for achieving the “Boundaryless Information Flow” vision

## Some Figures about TOGAF

- Developed by 200+ organisations worldwide involved in its development
  - Large IT users
  - IT vendors
  - System Integrators
  - Academics
  
- Used in major IT projects worldwide
  - IBM, EDS, HP, Sun, Infosys, .....
  
- Community of skilled TOGAF practitioners
  - Almost 1700 certified to date
  
- Supported by Architecture Tools



## Industry Recognition for TOGAF

### How to Get Started

By CHRISTOPHER KOCH

Some standard templates can jump-start your thinking about enterprise architecture. But don't expect them to provide all the answers.

"Frameworks are the filing cabinet you put the architecture documents into," says Bruce Robertson, vice president of enterprise planning and architectures for research company Meta.

- One of the most popular—and free—frameworks is the Open Group Architecture Framework (Togaf). [www.opengroup.org/architecture/togaf](http://www.opengroup.org/architecture/togaf)
- Though developed specifically for U.S. government agencies, the Federal Enterprise Architecture Framework (FEAF) has relevance for private companies too. [www.feapmo.gov](http://www.feapmo.gov)
- John Zachman, considered to be "the father of enterprise architecture," offers up a version of his framework for free. [www.zifa.com/framework.html](http://www.zifa.com/framework.html)

CIO Magazine, March 2005

## Getting Involved

- Adopt and use TOGAF
  - An effective, industry standard framework and method for enterprise architecture.
  - Vendor, tool, and technology neutral
  - Complementary to, not competing with, other frameworks
  
- Participate in the Architecture Forum
  - Worldwide forum for Architecture practitioners
  - Help further the development of IT Architecture as a discipline
  - Contribute to / leverage work in progress
  - Network with peers and industry experts

## For More Information . . .

- The Architecture Forum:

- <http://www.opengroup.org/architecture/>

- Viewing TOGAF Version 8 on-line:

- <http://www.opengroup.org/architecture/togaf811-doc/arch/>

- TOGAF Version 8 licensing and downloads:

- <http://www.opengroup.org/architecture/togaf8/downloads.htm>