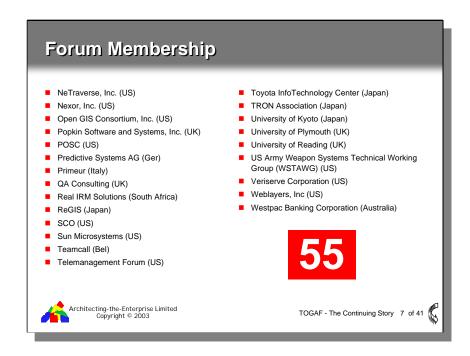
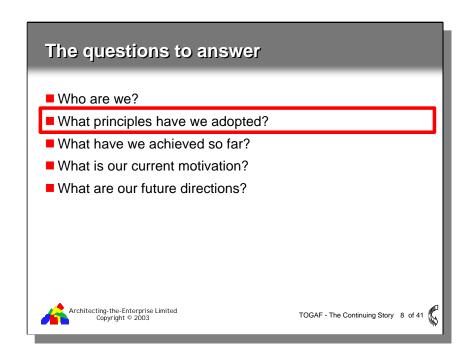


Architecture Forum The mission of the Forum's members is to: Advance the cause of IT Architecture - in order to Improve the quality of information systems To move IT Architecture from a cottage industry to a profession Original (and continuing) focus: (TOGAF) Industry consensus framework and method for IT architecture Tool- and technology-neutral Extended focus Architecture Tools IT Architect Certification Architecting-the-Enterprise Limited Copyright © 2003 TOGAF-The Continuing Story 4 of 41 €



Forum Membership Architecting-the-Enterprise (UK) ■ Department of Defense / DISA (US) ■ BMC Software Inc. (US) ■ Desktop Management Task Force (US) ■ Boeing Corporation (US) Frietuna Consultants (UK) ■ Booz Allen & Hamilton (US) ■ Fujitsu (Japan) Brandeis University (US) ■ Hewlett-Packard (US) C and C Technology (UK) Hitachi (Japan) ■ Capita (UK) ■ IBM (US) ■ Innenministerium NordRhein-Westfalen (Ger) Capital Health Authority (Canada) Jet Propulsion Labs (US) CC and C Solutions (Aus) Centre For Open Systems (Aus) ■ Lockheed Martin (US) ChiSurf (Hong Kong) ■ MEGA International (Fr) ■ Computacenter (UK) Ministry of Defence (UK) ■ Computas (Nor) ■ Mitre Corporation (US) Computer Associates (US) ■ Monash University (Australia) ■ NASA Goddard Space Flight Center (US) ■ Conclusive Logic (US) ■ Department for Works and Pensions (UK) National Computerization Agency (Korea) Architecting-the-Enterprise Limited Copyright © 2003 TOGAF - The Continuing Story 6 of 41





■ ANSI/IEEE Standard 1471-2000 ■ Conceptually an IT 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. ■ Practically it is represented in Architectural Descriptions from the viewpoints of the Stakeholders

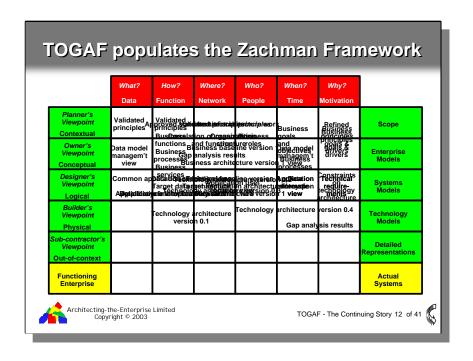
Architecture view

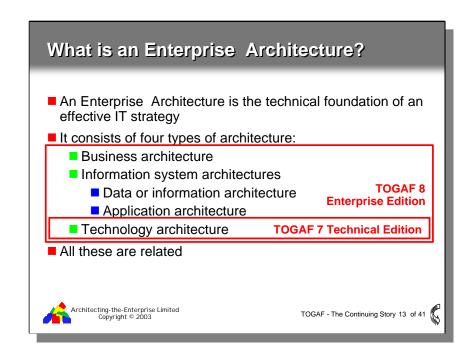
- Description of the architecture from the viewpoint of a specific stakeholder
- The main mechanism of communication between the architect and the stakeholder
- Used to ensure accuracy of understanding of the current system
- Used to ensure the architecture meets the need of each stakeholder
- The collection of views comprises the description of the architecture





Architecture ■ We are NOT talking about rocket science ■ We ARE talking about: ■ Using common sense ■ Being systematic ■ Avoiding misunderstandings ■ Knowing what we are doing before we start ■ Knowing why we are doing it ■ Learning from the best practice of others ■ Treating the user as a partner ■ Talking to business users in business terms ■ Recording what, where, when, how, who and WHY ■ Using common sense Architecting-the-Enterprise Limited Copyright © 2003 TOGAF - The Continuing Story 11 of 41 €





What is the desired benefit of TOGAF? ■ Architected business information systems will have: ■ A greater ability to respond to new demands ■ A greater business value to the organization ■ A greater ability to use new technology ■ A faster, simpler and cheaper procurement process ■ The ability to support a faster time-to-market Can a business succeed without a documented business plan? Can IT succeed without a documented architecture? Architecting-the-Enterprise Limited Copyright © 2003 TOGAF - The Continuing Story 14 of 41 €

What is an Architectural Framework?

- Architecture design is a complex process
- An architectural framework is a tool for:
 - Designing a broad range of a architectures
 - Assisting the evaluation of different architectures
 - Selecting and building the right architecture for an organization
- It embodies best practice and acknowledged wisdom
- It presents a set of services, standards, design concepts, components and configurations
- It guides the development of specific architectures



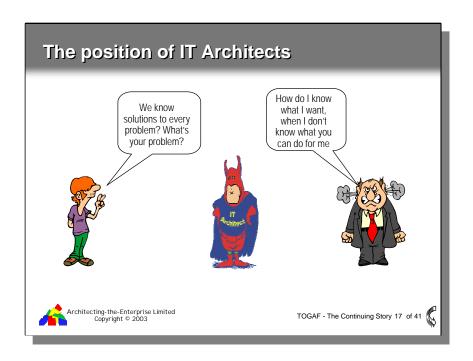


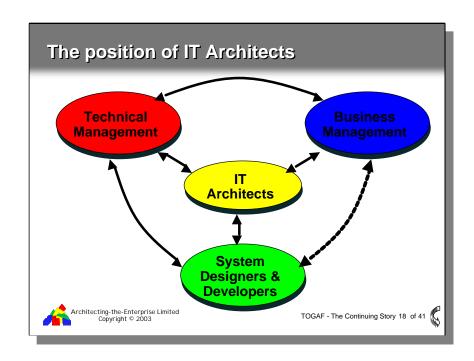
What is an Architectural Framework?

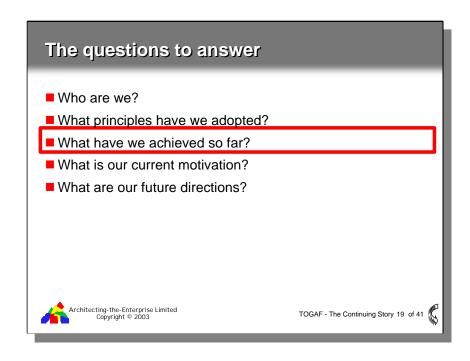
- Use of a framework leads to:
 - The use of common principles, assumptions and terminology
 - The development of information systems with better integration and interoperability, especially with respect to issues that affect the whole enterprise
- WARNING!
 - A framework does not make architectural design an automatic process
 - It is a valuable aid to experienced and knowledgeable IT Architects





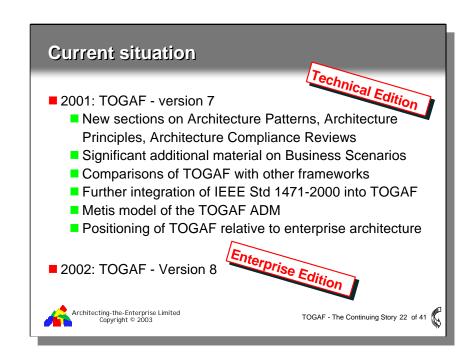


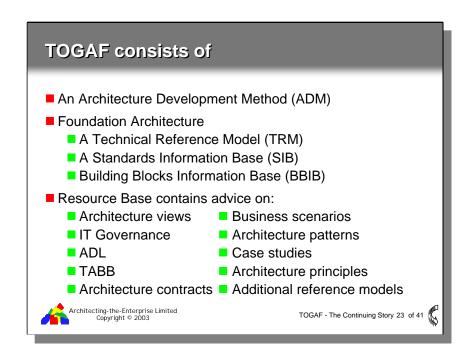


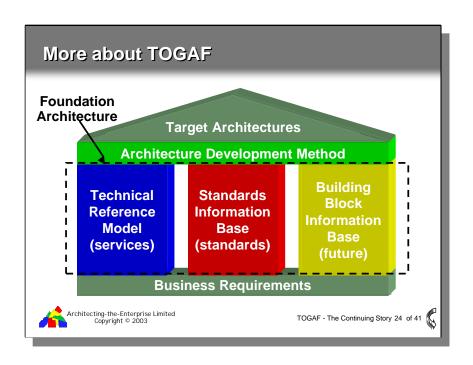


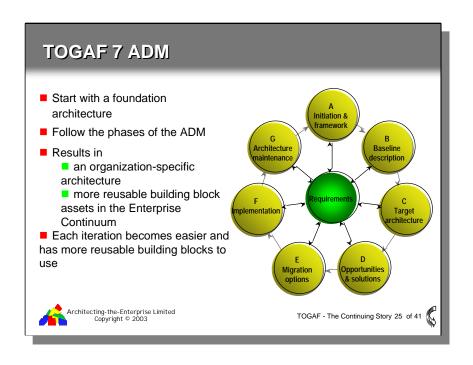
The story so far The direction of TOGAF's evolution has been driven by The Open Group's membership over a period of 9 years An annual publication cycle 1994: Requirement statement developed Proof of need 1995: X/Open Architectural Framework - version 1 Proof of concept 1996: TOGAF - version 2 Proof of application 1997: TOGAF - version 3 Relevance to practical architectures

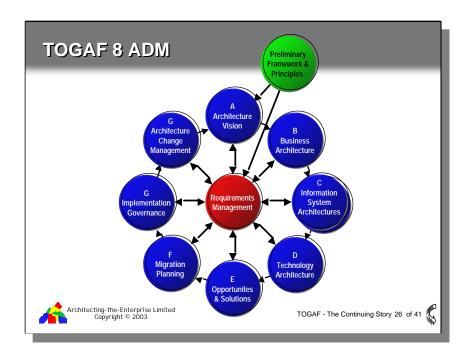
The story so far 1998: TOGAF - version 4 TOGAF in context - the Enterprise Continuum Web structured documentation - ease of use 1999: TOGAF - version 5 Re-organized around extended ADM Business scenarios to help define requirements Addition of ADML 2000: TOGAF - version 6 Integration of Building Block work Integration of other initiatives, US DoD, IEEE 1471, IEEE 1003.23

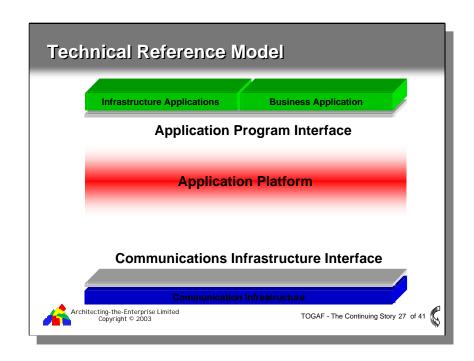


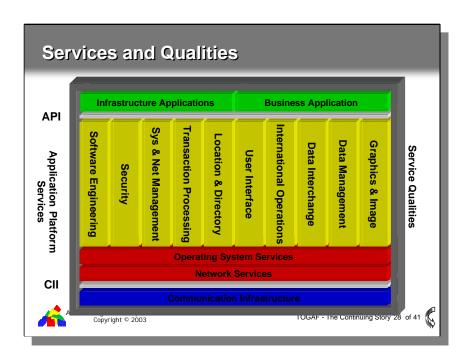


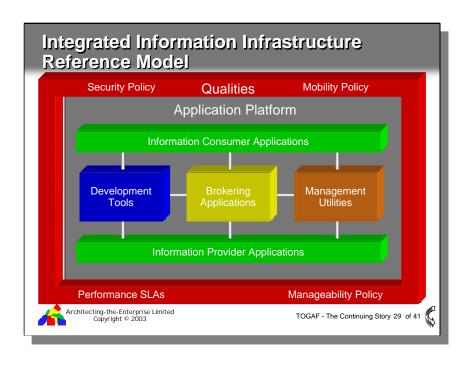








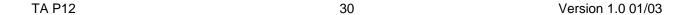




Standards Information Base (SIB)

- A complete and up to date database of open industry standards with links to conformant products
- Standards Information Base publicly available
 - At http://www.opengroup.org/sib
 - With user guide
 - Search or full listing
- Can be used to:
 - Define particular services
 - Define properties of components
 - Be the basis of procurement procedures
- Keeps the architecture up to date with the latest IT industry consensus





Benefits of TOGAF to the architect

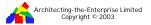
- Avoids regular reinvention of the wheel
- Provides a corporate memory of previous successes and failures
- Ensures completeness of the design process
- Provides access to accumulated best practice wisdom
- Avoids communication difficulties within the team
- The professional approach
- "Best endeavor" legal defense just in case





TOGAF - its key benefits (1)

- Vendor-Neutral
- Comprehensive process from business requirements to applications to infrastructure
- The result of 8 years of global development
- Cuts up-front costs avoids re-inventing the wheel
- Refined and honed checklists at all levels from business requirements to physical components
- The Standards Information Base
 - Maintained, current and comprehensive
- Standard documented approach insures against the departure of key staff



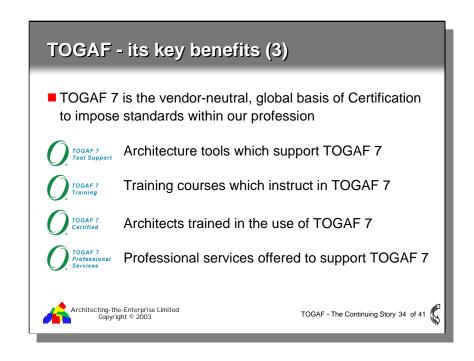


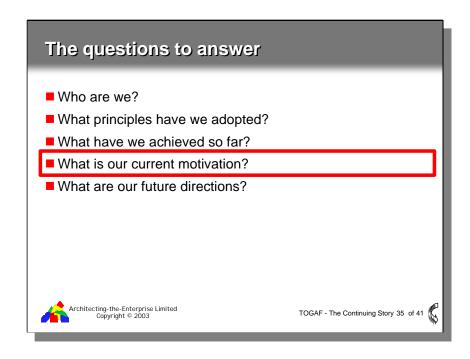
TOGAF - its key benefits (2)

- TOGAF is available today under an evaluation license
 - http://www.opengroup.org/architecture/togaf7/index7.htm
 - http://www.opengroup.org/architecture/togaf8/index8.htm
- TOGAF is available under a free perpetual license for use within your own organization
- Third-party users can buy a commercial license or can join the Architecture Forum
- Any member of the Architecture Forum can participate in shaping TOGAF's evolution



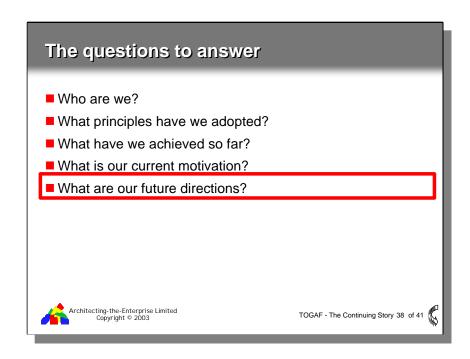


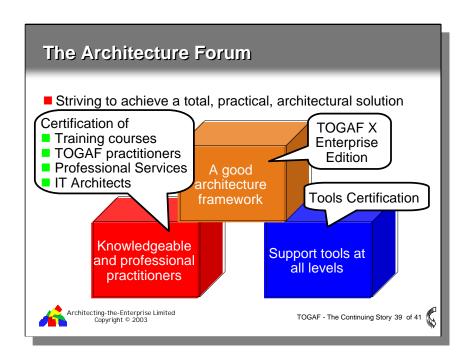




What is our current motivation? The work goes on - new knowledge, new experience, new ideas, new challenges Changes that will influence the future take-up of IT Architecture More extended enterprises More co-operative IT operations Tighter IT budgets Global competition More frantic skills chase Increase in litigation Failure can be terminal

What is our current motivation? ■ Pace set by public agencies and large vendors ■ More enforcement of acquisition regulations ■ Clinger-Cohen Act (US Information Technology Management Reform Act 1996) ■ EU Directives on the Award of Public Contracts ■ Contracting Authority needs procedures for ensuring: ■ Completeness of given business requirements ■ Vendor independent expression of needs ■ Same information to all







What are our future directions? Evolution of TOGAF – Enterprise Edition Bring to maturity Plan the future lifecycle Establish TOGAF X Certification And possibly: Enhance to align with OMG's MDA Enhance to include mobility features Enhance to support Boundaryless Information Flow Enhance to include industry TRMs Establishment of IT Architect Certification Promote, support, advise and get it all into use.

