Enterprise Architecture & Central Government: UK

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10th Annual Enterprise Architecture Conference
Enterprise Architecture

Central UK Government: Justice Sector

Enterprise Architecture progress:

– Department for Constitutional Affairs (DCA)
  • Successful business case developed
  • First cut EA delivered in 10 weeks with immediate business benefit returns
  • Most effort in Business and Applications layers
  • Rapid EA Framework aligned to TOGAF
  • EA Tool Selection & Procurement
  • Roadmaps developed for HMCS – 5 year vision

– CJIT (Criminal Justice IT)
  • EA Business Case Developed & Promoted
  • Strategic partners to the DCA
The business-led vision that underpins the Transformational Government agenda requires an improved method of identifying opportunities:

- To **reuse** solutions developed for specific issues but which potentially could have a wider value
- To **share** across public sector organisation boundaries to work more efficiently and save resources
- To be informed of the **wider context** (other public sector bodies, business and the citizen) in which IT enabled business change is taking place

By effectively providing a business and IT blueprint for government, the xGEA will help to deliver these requirements. Other benefits include:

- Promoting the development of common infrastructure
- Improved management of risk
- Identifying and aggregating demand to promote efficient use of resources
- Sustainable alignment of business and IT functions
- Agreement of shared standards to promote better inter-working between agencies
- A greater competition in the supply of IT services and products
- Improved business agility and a reduction of total cost of ownership
### Conceptual Physical Logical Contextual

#### Strategy

#### Contextual

- **Business**
  - Business Model & Processes

- **Data**
  - Logical Information Model
  - Logical Applications Architecture
  - Physical Applications Architecture

- **Applications**
  - Conceptual Application Model
  - Logical Technology Architecture
  - Physical Technology Architecture

- **Technology**
  - Conceptual Technology Model
  - Logical Technology Architecture
  - Physical Technology Architecture

**Principles drawn from Business, IS and IT Strategy**

#### Logical

- **Physical**
  - Physical Applications Architecture
  - Physical Technology Architecture

#### Governance

- **Standards & Guidelines**
Architecture Process

- Based on TOGAF ADM and IAF Content Structure

(A) Architecture Vision
(B) Business Architecture
(C1) Information System Architecture - Data
(C2) Information System Architecture - Applications
(D) Technology Architecture
(E) Opportunities and Solutions
(F) Migration Planning
(G) Implementation Governance
(H) Architecture Change Management

Derive Principles from Strategies
- Contextual

Define Target Models
- Conceptual

Define Logical Architecture
- Logical

Define Physical Architecture
- Physical

TOGAF ADM

Architecture Scope and Principles

Define & Refine Architecture Artefacts

Opportunities and Solutions

Transition Planning

Support Quality Assurance

Architecture Change Management

Architecture Process

Based on TOGAF ADM and IAF Content Structure
EA provides an audit path
The architecture lifecycle is an ongoing process that forms the core of architecture work, to meet the business and information technology needs. The process is based on a dialogue and interaction with the business users to ensure business alignment.

The future architecture is expressed as a set of principles, models, standards, and guidelines, etc.

Projects develop and deliver solutions which meet individual business and infrastructure needs in the context of the future architecture.

During the process, the architecture descriptions are updated based on the results of the development projects.

The current architecture represents the current state of the IT landscape.

The future architecture is based on business and IT strategies and scenarios.

Current architecture

Dialog & Business

Technology & Business Trends

Business & IT Strategy

Business & Technology Scenarios

Current Business & IT Environment

Future Architecture
Rapid Enterprise Architecture Delivery

- Manual process fully automated
- Solution produced from existing assets
- Time to market < 12 months
- EA driven effort in less than 6 weeks
- Large business benefit with very little expenditure
Benefits led programmes

DCA: Criminal Courts EA

– Automation and digitisation of data flow between Magistrates & Crown Courts
  • **How:** Use CJSE and enhance existing Case Mgmt Systems
  • **Benefit/Annual Cost Savings:** £5 million

– Extend lifespan of Crown Court legacy systems
  • **How:** Defining a series of SOA based technical architecture options prolonging life span of existing legacy systems
  • **Benefit/Annual Cost Savings:** £3 million

– Single Case Management System
  • **How:** Developing various options around the combining of Magistrates and Crown Court systems into a single application
  • **Target Projected Annual Cost Savings:** £30 million
How we can help you

• Professional services company offering independent advice, support and leadership of Enterprise Architecture & Strategy.

• Additional consulting service lines include:
  – IS/IT Transformation
  – IS/ICT Strategy Development & Planning
  – SOA Consulting
  – Business Process Improvement/Re-engineering

• Group of certified TOGAF associates each with specific subject matter expertise.

• Company Presence: Offices in UK and Jordan.

• web: www.enterprisearchitects.eu