Enterprise Architecture
Week 4
Enterprise Architecture

What’s an Enterprise Architecture and what’s it for?

EA “…is the organizing lologic of business processes and IT infrastructure reflecting the integration and standardization requirements of the firm’s operating model.”

MIT Center for Information Research

Alignment

Flexibility

IT Governance
Rich Flanagan

FOX | ITACS
Master of IT Auditing & Cyber Security
Federal Enterprise Architecture Model

Business processes and activities use...

Data that must be collected, organized, safeguarded, and distributed using...

Applications such as custom or off-the-shelf software tools that run on...

Technology such as computer system and telephone networks.

IT Governance
Rich Flanagan

FOX ITACS
Master of IT Auditing & Cyber Security
Enterprise Architecture Cycle

1. Document Organization
2. Current Situation
3. ID improvement projects
4. Project future state
5. Gap analysis
6. Execute projects
Enterprise Architecture Controls

• EA description
• EA plan for designing and implementing
• EA Organizational structure
• EA roles
• EA business related controls
• EA IT related controls
• EA monitoring
• EA performance management
The Cisco Case

Take 45 minutes and prepare a team PPT answering these five questions:

1. What were the company’s key processes and strategies?
2. What was the current EA (use the Federal EA model) in 1995?
3. What did they want their future state to look like?
4. What key projects did they initiate?
5. Were these projects successful? How did they help the company?

The EA checklist on pp 153 & 154 of the text will help you get started.
The Cisco Case

1. What were the company’s key processes and strategies?
   Design, Order-to-cash, iring companies
   Customer intimacy,

2. What was the current EA (use the Federal EA model) in 1995?
   Processes clearly broken
   Legacy systems, major 2 day outage
   No e-sales

3. What did they want their future state to look like?
   Customer intimacy
   Infallible order-to-cash

4. What key projects did they initiate?
   ERP
   I-Net for enablement

5. Were these projects successful?
   How did they help the company?
   90% e-sales, 80% all customer requests handled online
   OTC costs down 60%
   65% physical product shipped by suppliers to customers
   ERP benefits estimated at $1.3 billion

IT Governance
Rich Flanagan
APO 03 Manage Enterprise Architecture

- 01 Develop enterprise architecture vision
- 02 Define reference architecture
- 03 Select opportunities and solutions
- 04 Define architecture implementation
- 05 Provide enterprise architecture services
Auditing a Company’s EA

Take 15 minutes and prepare a summary of the key things you would want to look at when auditing a company’s enterprise architecture efforts?

1. Do they have one? If so, what framework are they using and are staff familiar with it?
2. What key business processes and data do they highlight? Do these make sense?
3. What is the business strategy? How deep is the understanding? Does it match what the business says its strategy is?
4. Have they done all the work in a logical way using a tight methodology? Does their logic make sense?
5. Is the EA being followed or is it sitting on someone’s shelf?