Breakout Session 10B
Outbriefing

Exploring the Differences between Enterprise and System Architectures — A Look at the Different Methods, Tools, and Techniques

James Martin
Kevin Kreitman
Jeff Diehl
Scott Bernard
DOD Architecture Framework

Systems

Technical

Operational
System Architecture Example
(Air Force Infostructure)
Enterprise Architecture Example
(Census Bureau)
Systems vs. Enterprises

Enterprise

DRIVERS → Enterprise → OUTCOMES

System

INPUTS → System → OUTPUTS
Key Findings

• Cost, Schedule, Performance is not enough
  – What is the Value?
  – What is the optimum “portfolio” of systems and capabilities?

• EA helps you identify the systems you need
  – EA is about creating and maximizing value
  – Real issue is “Value” related to desired outcomes

• SA helps define what those systems must do
  – SA is about creating functionality
  – Key issue is functional inputs and outputs

Enterprise decisions should be based on desired outcomes, not outputs
Purpose of Architectures and Frameworks

• EA helps you manage the enterprise
  – Gives you “license” to look across programs, projects, and major organizational units (ie, departments, groups, divisions)
  – Used to manage your acquisitions to produce maximum value for the enterprise as a whole

• Architecture frameworks and processes are tools to help you get the job done
Recommendations

• Need better mapping between FEAF and DODAF
  – Form & Function
  – Purpose & Semantics

• Decision “Dashboard” should be front-end for the EA

• Need perception change
  – Architecture is not just a way to get through management checkpoints
  – Architecture is a useful tool to help better manage the business

• Often need more than the “standard” views provided by the framework
  – Need to augment according to information and management needs
System Architecture is Like Blueprints for a Building
Enterprise Architecture is Like Urban Planning