



Breakout Session 10B Outbriefing

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

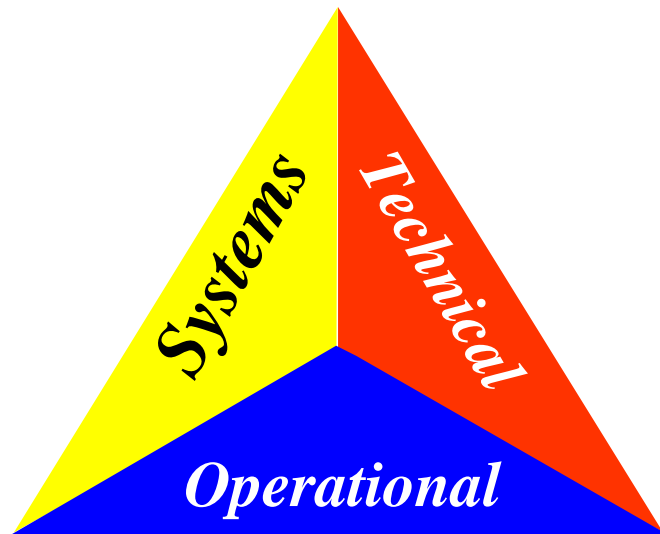
James Martin

Kevin Kreitman

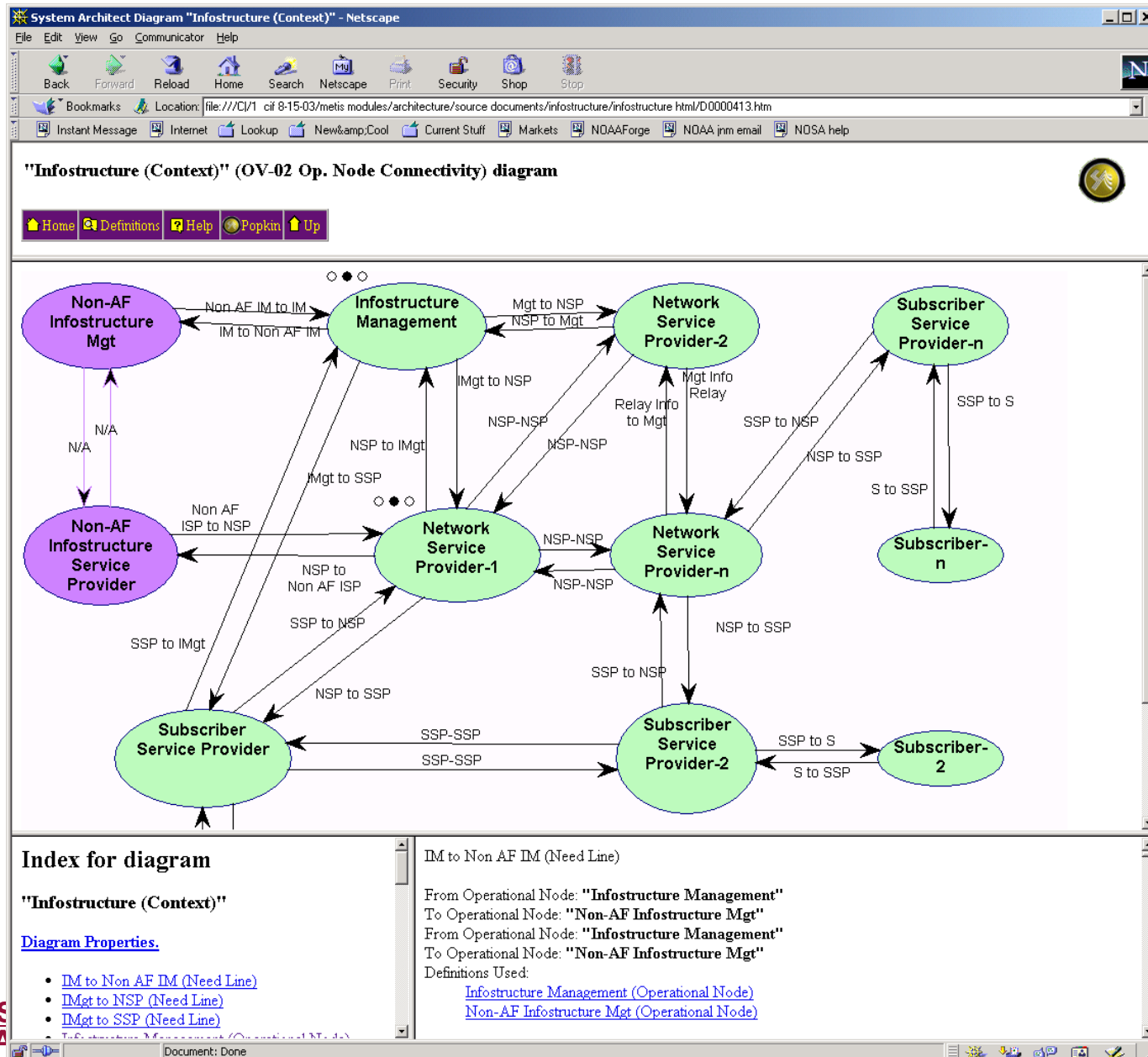
Jeff Diehl

Scott Bernard

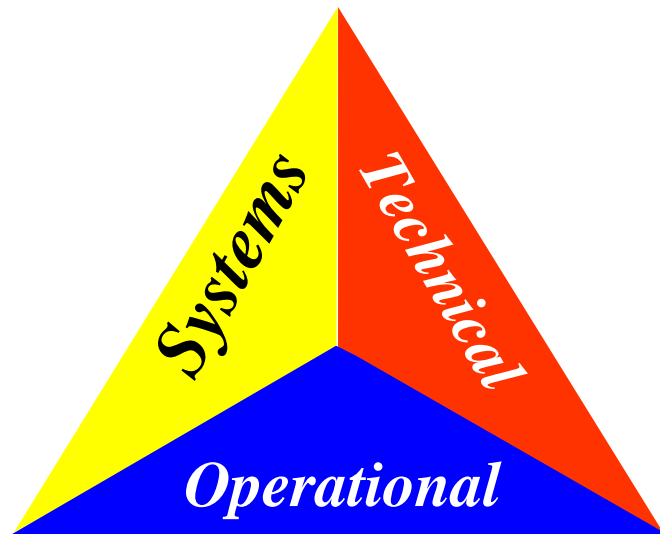
DOD Architecture Framework



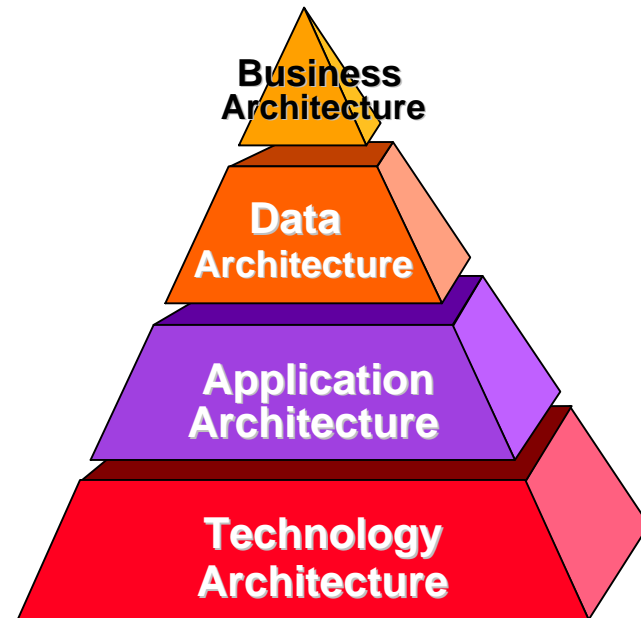
System Architecture Example (Air Force Infostructure)



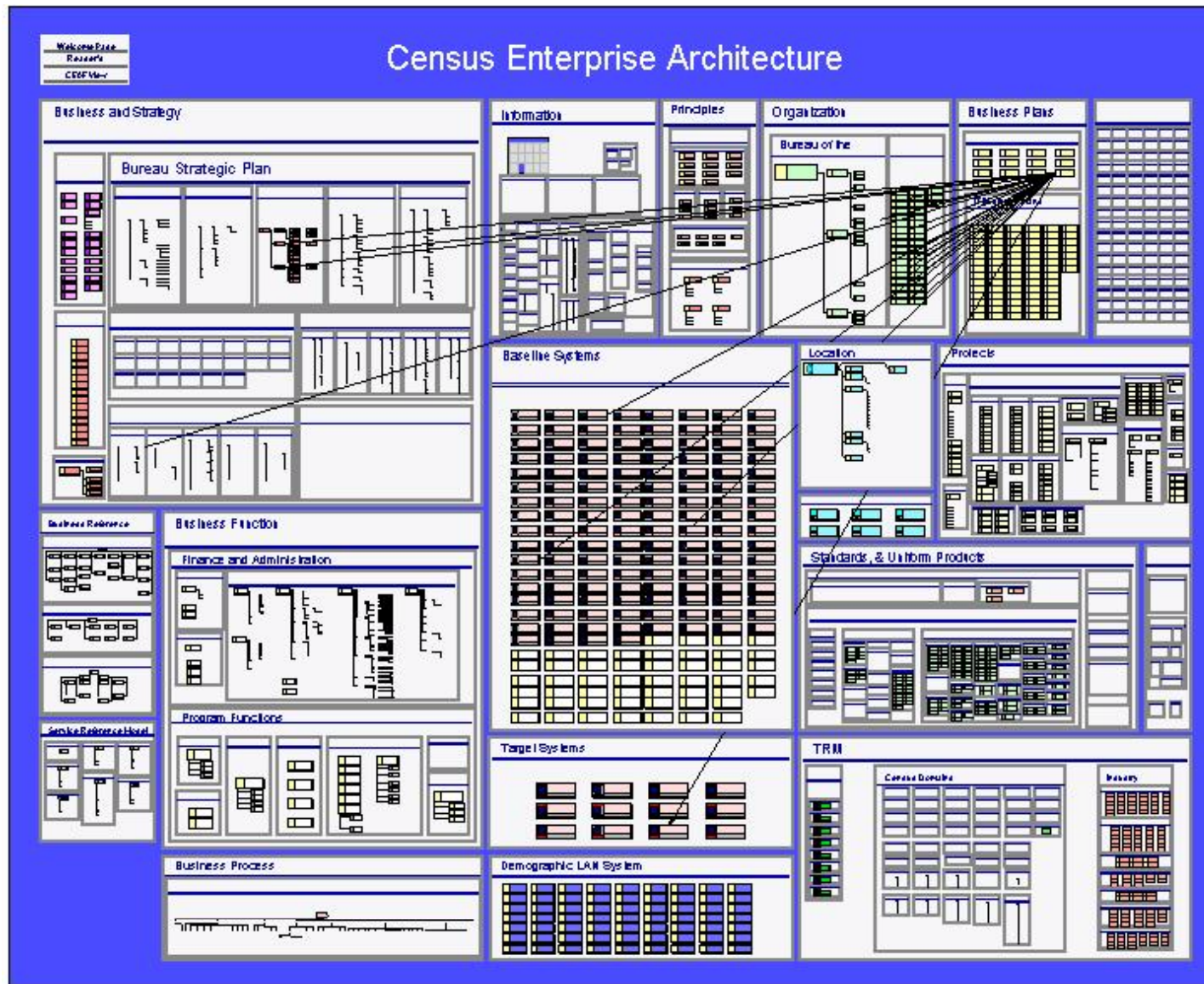
DOD Architecture Framework



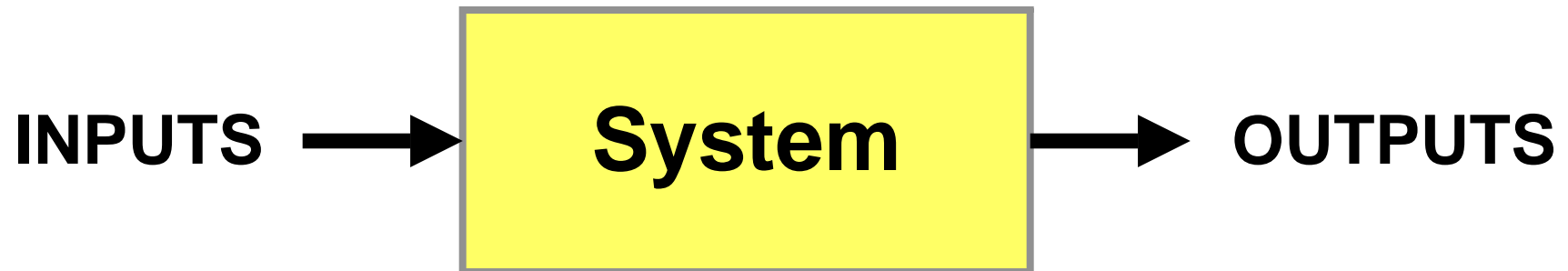
Federal Enterprise Architecture Framework



Enterprise Architecture Example (Census Bureau)



Systems vs. Enterprises



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**

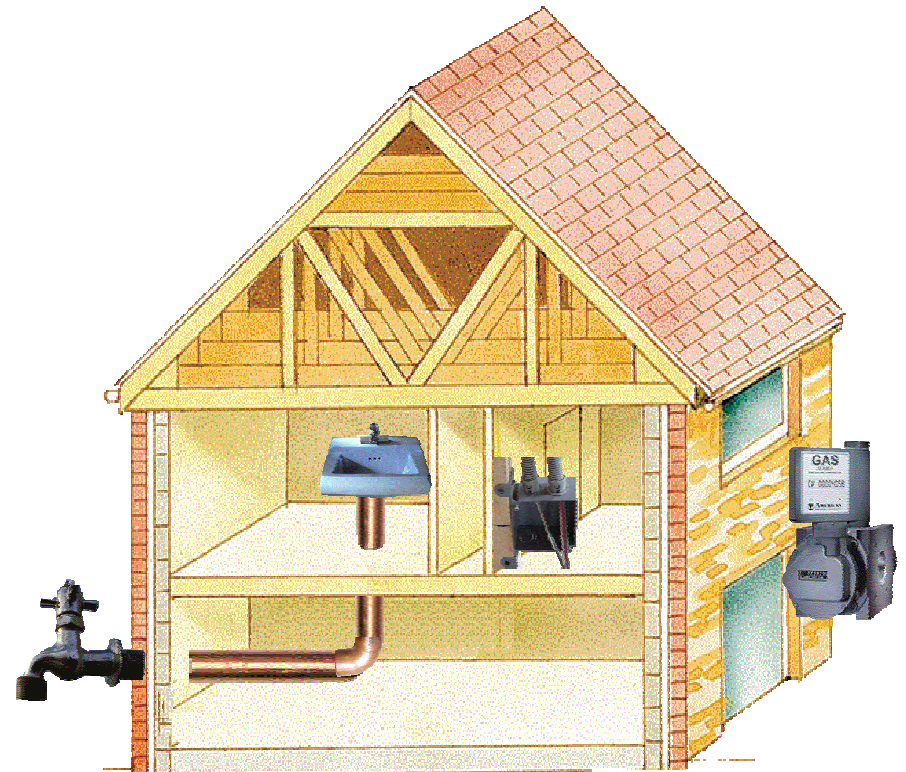
Purpose of Architectures and Frameworks

- **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

PLANNING AREA ASSIGNMENTS

