Information Age Architecture Must Be Enterprise Architecture
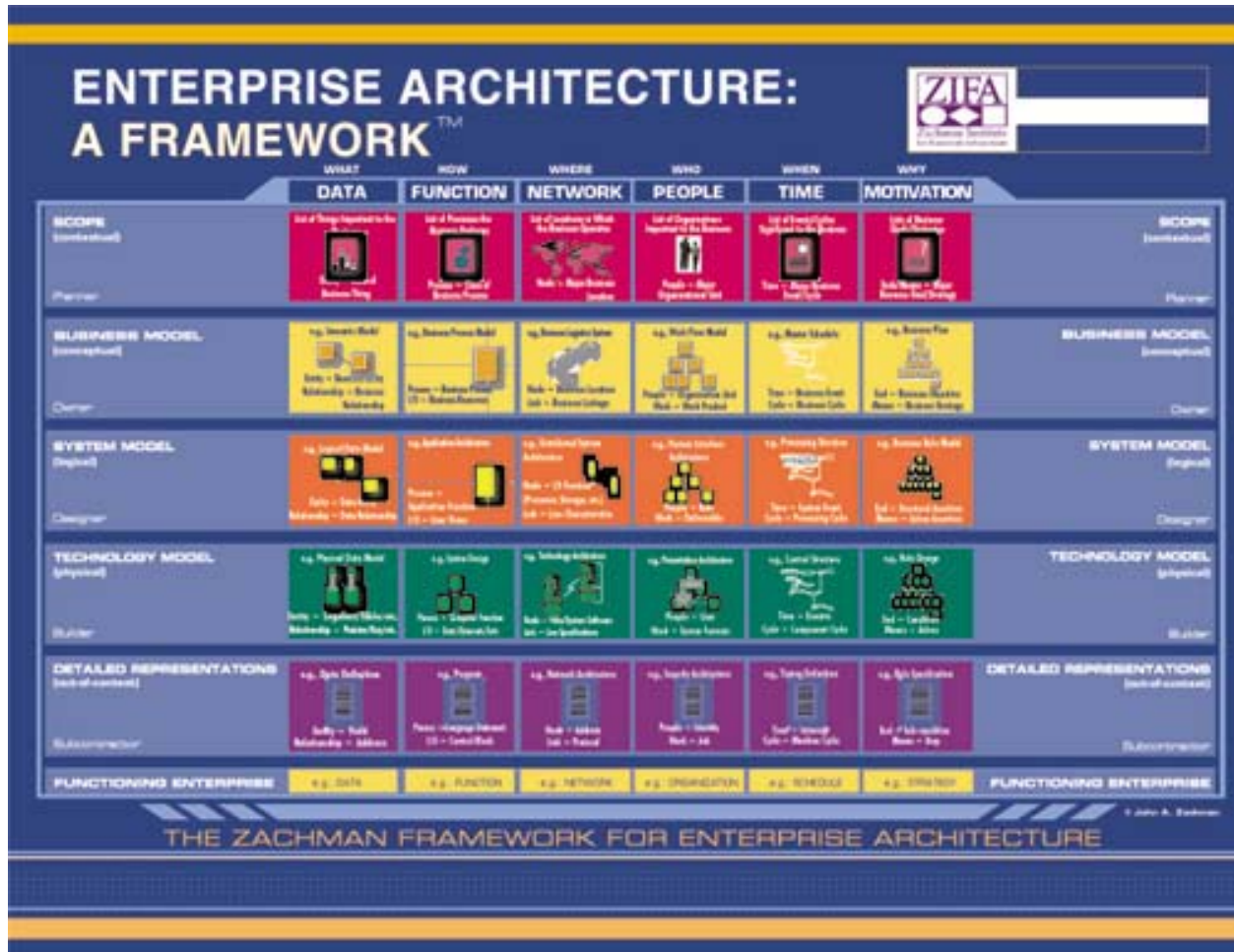
Thomas H. Augustine

Space and Naval Warfare Systems Center, San Diego

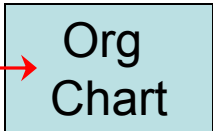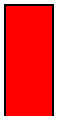C2 Dept, Advanced Concepts Branch
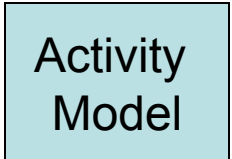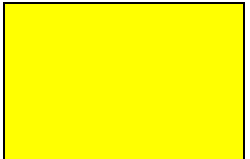
Problem + **C2 Relevance**

- Actual DODAF Products Violate "Enterprise Physics" with Alarming Regularity

- Symptoms
  - Budget Overruns
  - Project termination
  - Dissatisfied Users
- The Disease
  - Project rot caused by violating fundamental relationships between the essential elements of an enterprise and the different organizational roles that are responsible for them.
- Caveat
  - These relationships are not sufficient to guarantee success but if violated the chance for success is dramatically reduced.

Zachman Framework

Zachman Framework

	WHAT Data	HOW Function	WHERE Network	WHO People	WHEN Timing	WHY Motivation
Contextual Planner						
Conceptual Owner	Data List			Org Chart		
Logical Designer		Activity Model				
. . .						

Enterprise Physics

- **Enterprise Architecture is fundamental because these six interrogatories *exist* for your enterprise.**

- Questions to ask before you act:
    - "Do you know them?"
    - "Do you know how they relate?"
    - "Do you know the value of getting it right?"

The Framework

- **The "Industrial Age" ROI Measures**
  - Quality ("Better")
  - Timeliness ("Faster")
  - Efficiency ("Cheaper")
- **The "Information Age" ROI Measures**
  - Integration
    - Integration in Connectivity:
    - Integration in Meaning:
    - Integration in Rules:
  - Alignment
  - Flexibility

Why Information Age Architecture Must Be Enterprise Architecture

- ## Integration
  - Key is ENTERPRISE-WIDE, normalized, primitive models

- ## Flexibility
  - Key is enterprise-wide, NORMALIZED, primitive models

- ## Re-Use
  - Key is enterprise-wide, normalized, PRIMITIVE MODELS

- ## Alignment
  - Consistency from Conception to Execution

- Thank you

UNCLASSIFIED