

# FAA Enterprise Architecture Overview

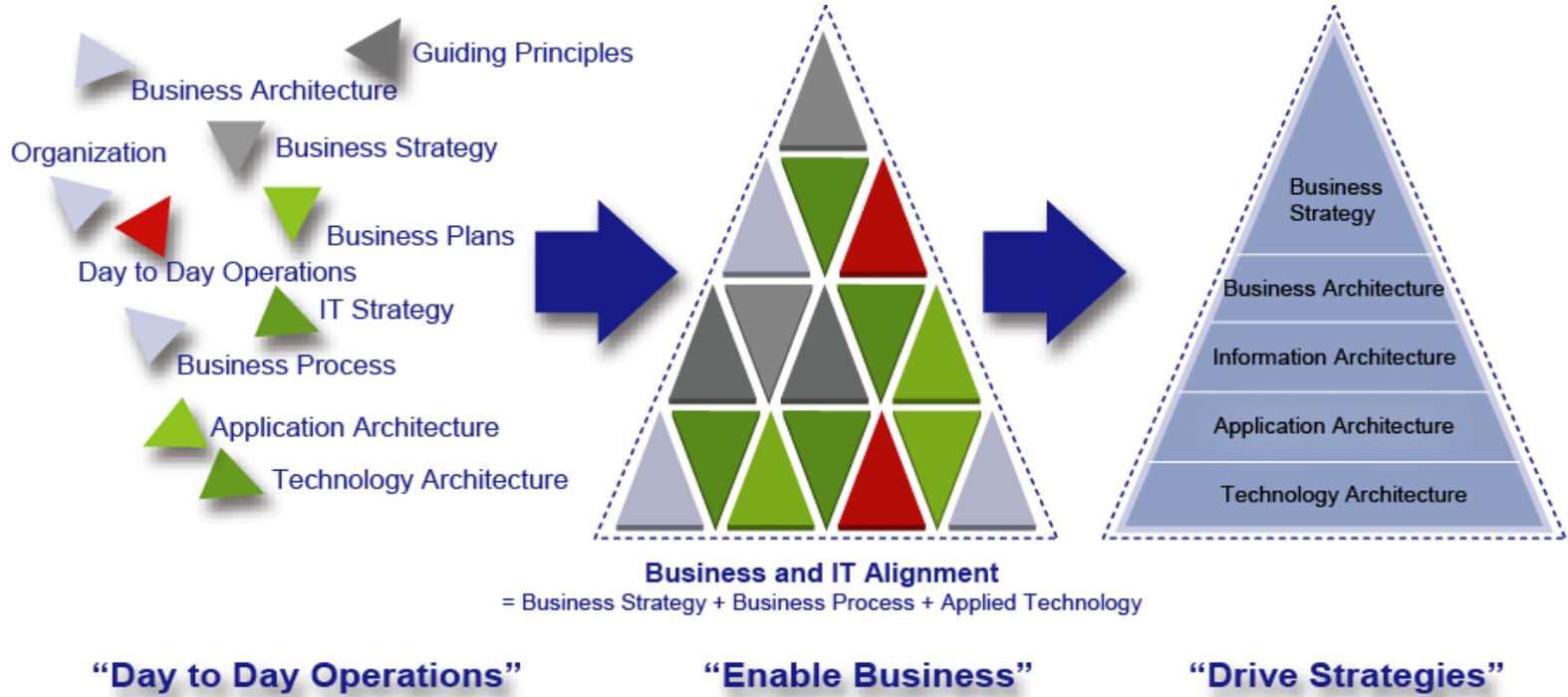
Presented to: 2009 NAS EA Conference

By: Con Kenney

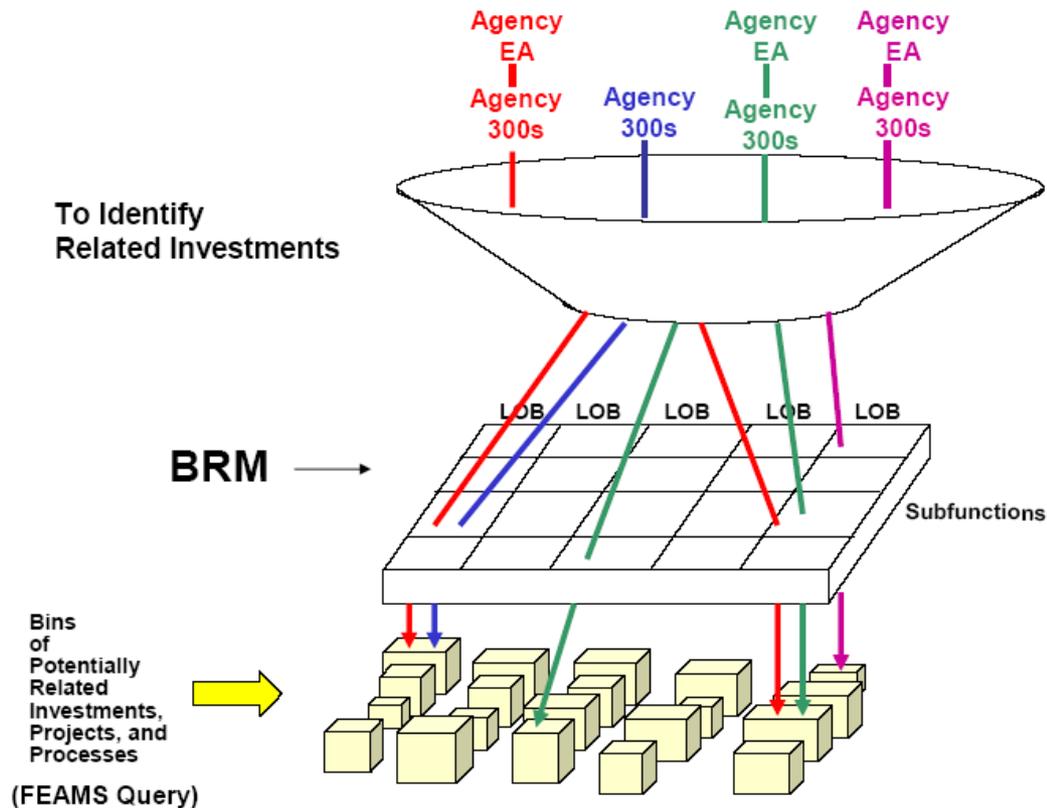
Date: June 23, 2009



# Enterprise Architecture (EA) combines different kinds of information in a business & technology alignment framework



# OMB uses EA to determine which agency investments should be funded



# High-level EA Flow

- **2 major reporting cycles**

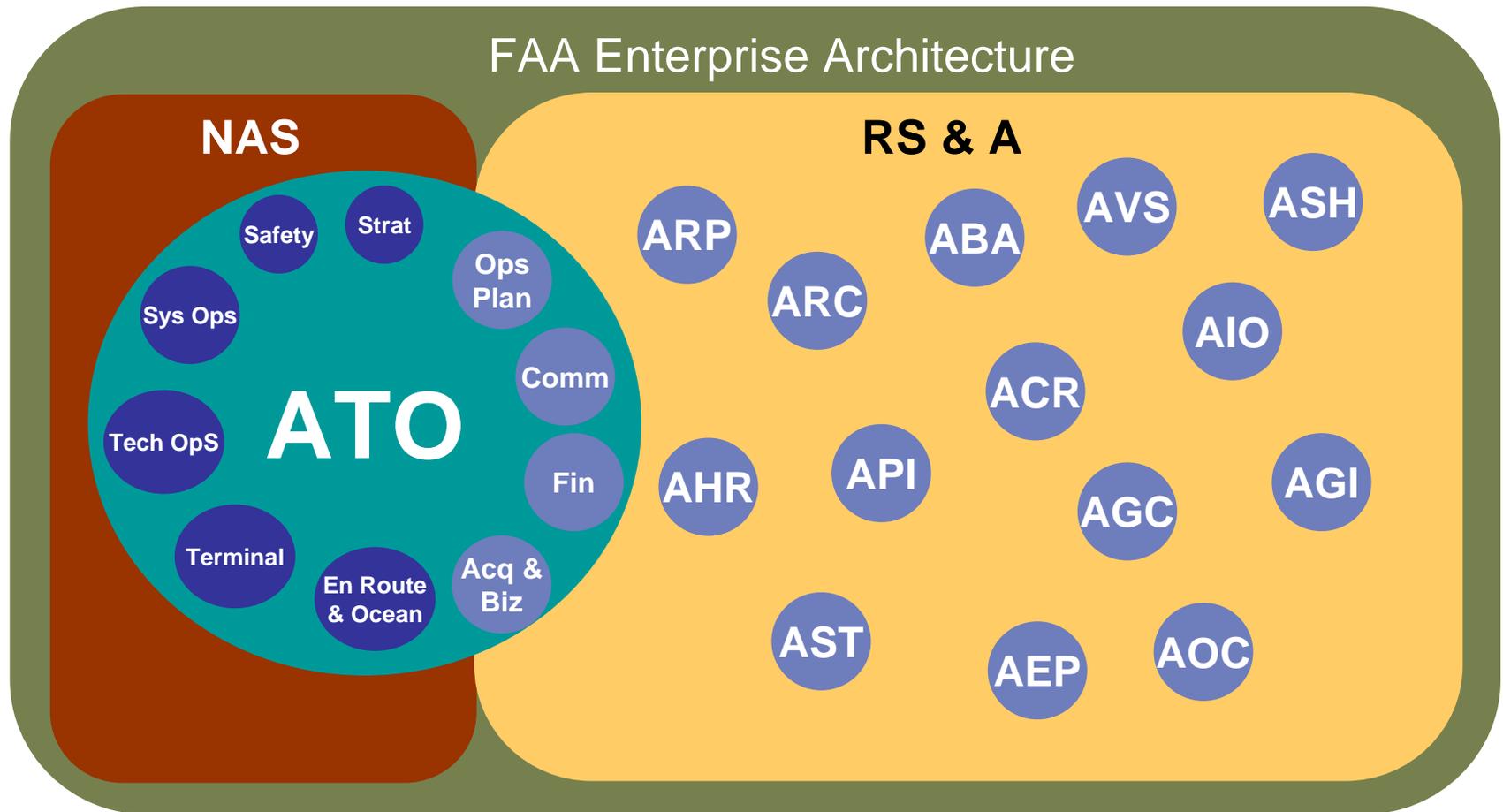
- Capital Planning and Investment Control

- EA As Is and To Be Information explains where we are now and where we want to go
- EA Roadmaps shows staging and dependencies of planned investments that move us where we want to go
- JRC-approved investments are included by DOT in the annual budget submission to OMB
- These investments report quarterly to OMB

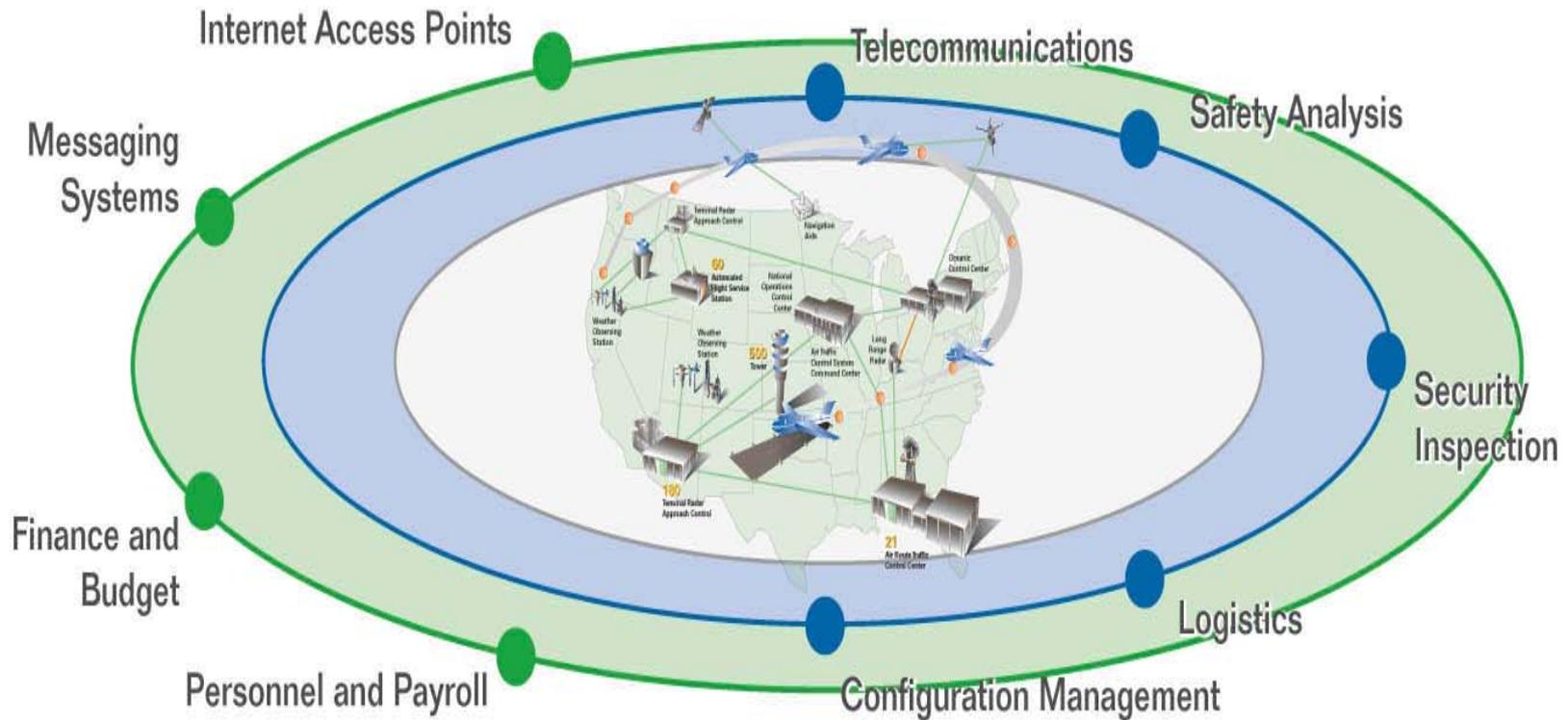
- Enterprise Architecture

- FAA EA information informs the annual DOT Transition Strategy
- We also help DOT respond to quarterly OMB assessments

# FAA EA has two parts, the NAS EA and Regulatory Support & Administration EA



# FAA EA helps connect regulatory and administrative processes to the NAS



# Synergies within FAA EA

- **Shared Flight Plan goals**
- **Consistent roles in the Acquisition Management System**
- **Parallel governance structures with overlapping membership**
- **Frequent collaboration, most recently on DOT FY09 Transition Strategy**
- **Joint reporting and compliance activities**

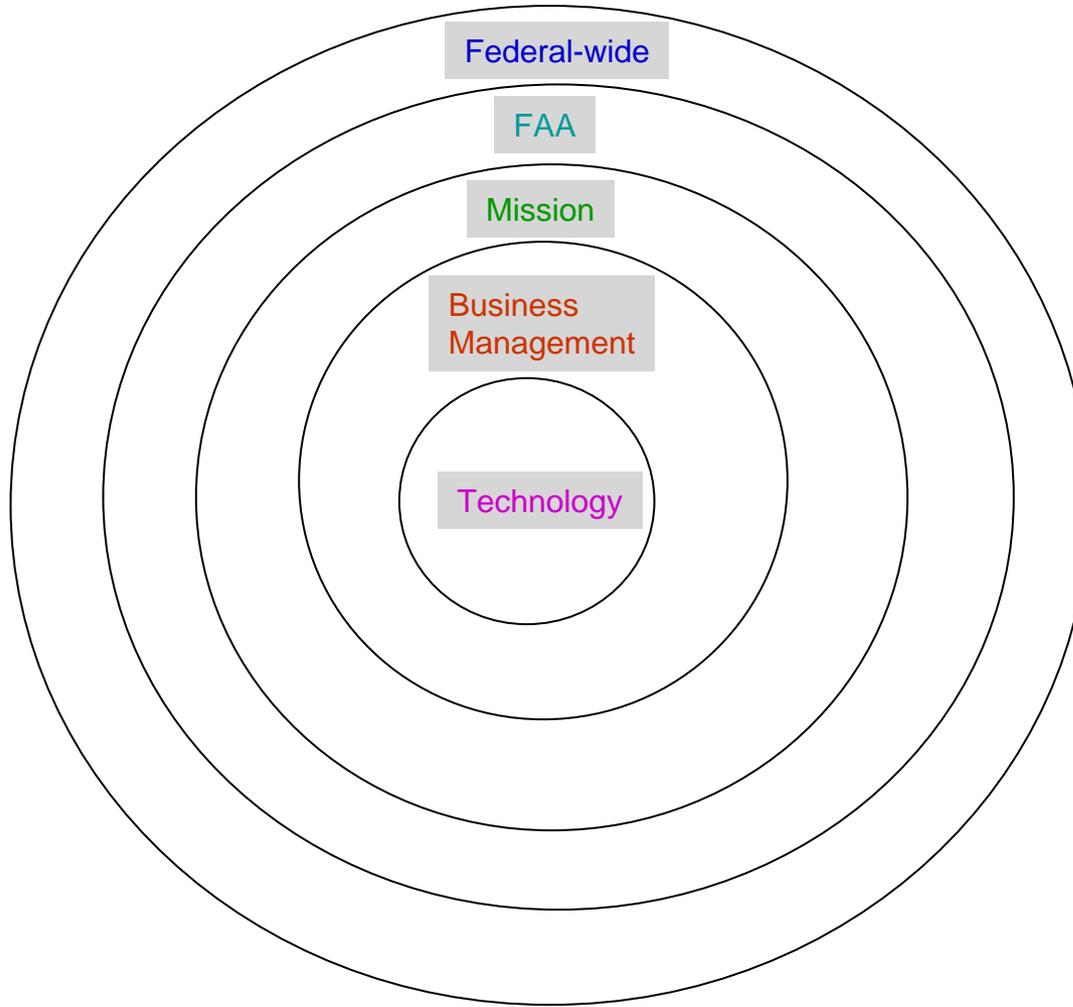


# Shared Controls

Exhibit 300  
 Exhibit 53  
 FISMA  
 PMA  
 GPRA  
 OMB PART  
 OMB circulars  
 OPM rules

Policy and orders  
 Instruction manuals  
 Strategic plan  
 Budget  
 Portfolio  
 Operational QC/QA  
 Hiring and training practices  
 Job design  
 Technical standards

Standards  
 Logical security  
 Boundary protection  
 Identity management  
 Encryption  
 Network access  
 Service desk  
 Change management  
 Asset inventory  
 Solution development lifecycle methodology



Strategic Plan  
 Budget and budget guidance  
 Acquisition policy  
 Personnel policy  
 Enterprise Architecture  
 Certification and Accreditation  
 Performance reporting  
 Organizational orders  
 Operational policy e.g.. CM

Budget guidance  
 Committing  
 Obligating  
 Acquisitions guidance  
 Initiating  
 Acquiring  
 Deploying  
 Decommissioning  
 HR personnel management policies  
 Physical security



# Recent FAA EA Accomplishments

- **Enhanced Roadmaps**
- **Portfolio management policy**
- **Support for data calls**
  - Health of Investments
  - Exhibit 300
  - DOT FY09 Transition Strategy
- **Successful efforts to help remove the Air Traffic Control Modernization program from the GAO High Risk List**



# Immediate Opportunities for FAA EA Collaboration

- **FAA Portfolio management**
- **Shared technology standards and coordination process**
- **Integration with Configuration management**
- **Integration of EA and information systems security**
- **EA Metrics**



# Future Opportunities for FAA EA Collaboration

- **Service Oriented Architecture**
  - Standards
  - Components such as registries and buses
  - Development tools
- **Internet Protocol version 6 implementation**
- **Real-time process controls**