FAA Enterprise Architecture Overview

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

Guiding Principles
- Business Architecture
- Business Strategy
- Business Plans
- IT Strategy
- Business Process
- Application Architecture
- Technology Architecture

Business and IT Alignment = Business Strategy + Business Process + Applied Technology

“Day to Day Operations”
“Enable Business”
“Drive Strategies”
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 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
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**