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The Practical Guide to Federal Service Oriented Architecture –
Implementing SOA Using the Practical Guide

Industry Panel:
SOA in Government

Moderator: Gene Leganza, Forrester Research
Panelists: Mel Greer, Lockheed-Martin
Kevin Hall, IBM
Victor Harrison, CSC
Pat Little, SRA
SOA for Government – Industry View Key Points
Melvin Greer

- Business Process Entry Point

- SOA maturity via a Competency Center

- Business Models that facilitate SOA, SaaS, Enterprise Data Mashups
SOA for Government – Industry View
Key Points – Kevin Hall (IBM)

- IBM Industry View: SOA Global Leader
  - Eight SOA-related Gartner Magic Quadrants
  - Commercial Breadth/Depth

- Challenge 1: Business and technology domains often lack cohesion, relevance
  - Recommendation: Solution Patterns established in a business.tech. layered framework
    - (Framework excellence: full-stack, integrate bus. w/ tech., flexible, scaleable, distributable, secure)

- Challenge 2: Federal constraints often inhibit agility, cross-org. dependence
  - Recommendation: Use Engineering Methods to support full traceability of both business and technology components to agency / mission goals (making dependencies visible)
    - (Methods excellence: repeatable, supported, address SOSE, be evolutionary, establish full tracing)

- Industry Support for SOA
  - IBM Federal SOA Institute: Support via certification, seminars, environments, collaboration
  - Federal SOA Solution Initiatives: SOA Foundation Accelerator, Mission Information Hub
Key Points: An Integrated and holistic Solution

1. Roadmap
   - Drive the declaration of
   - Constrain the approach to

2. SOA Characteristics
   - Dynamic Architecture Features
   - Conjunctive Composition Features
   - Principles of SOA Engineering
   - Principles of SOA Delivery

3. SOA Methodology Framework
   - Business Roadmap
   - Service Enablement
   - Service Sustainment

4. SOA Funding & Acquisition
   - Funding
   - Acquisition

5. Change Management
   - Assessment
   - Communications

6. SOA Governance
   - Business Rhythms
   - Promotions and Demotions
   - Control Points

7. SOA and Data
   - Utilization
   - Application
   - Information
   - Service
   - Data

8. SOA and Security
   - Threats
   - Protection Points
   - Services
   - Assurance

9. Model Driven SOA
   - Business Processes
   - Service Component
   - System Architecture Requirements
   - Interfaces
   - Deployment

10. Agile SOA Methodology
    - Workflows
    - Event-driven Activities
    - Tasks
    - Computations

11. Continuous, Concurrent, and Autonomous Delivery
    - Plan
    - Execute
    - Build


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• **Changes well beyond application development**
  - Solicitations: We must differentiate ourselves, we will find or create discriminators, is that really best for Federal SOA?
  - Enterprise Architecture: Portfolio of Services represented in the target, as well as the target Service-Oriented Infrastructure
  - Portfolio Management: Scope of individual investments
  - SDLC: Perhaps the easier transition (if you have disciplined processes)

• **Changes you may not have planned**
  - Readiness Assessment: Are you ready for SOA?
  - Solicitations: Vendors must differentiate themselves, they will find or create discriminators, is that really best for Federal SOA?
  - Performance: How will you measure? Will your solutions have performance monitoring and reporting baked in?