“A Standard Framework for SOA Governance”

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SOA Governance

SOA Governance cannot be addressed by technology alone. A comprehensive view of SOA Governance includes:

- **People**
  - Roles & Responsibilities
  - Organizational structure

- **Processes**
  - Governing processes
  - Governed processes

- **Technology**
  - Infrastructure
  - Tools
Relationships with other governance

Business Governance

Supports

Supports

Aligns

IT Governance

EA Governance

Extends

Extends

SOA Governance
SOA Governance framework

- No one-size-fits-all SOA governance due to organization variants:
  - SOA maturity level
  - existing governance in place
  - size of the organization, etc.

- Customizable framework

- A SOA Governance model is one that defines for the organization:
  - What decisions need to be made in their organization to have effective SOA Governance
  - Who should make these SOA Governance decisions in their organization
  - How these SOA Governance decisions will be made and monitored in your organization
  - What organization structures, processes, and tools should be deployed in your organization
  - What metrics are required to ensure that the SOA implementation meets strategic goals
SOA Governance Framework

- Define
- Plan
- Monitor
- Implement

SOA Governance Reference Model (SGRM)
SOA Governance Vitality Method (SGVM)

Customized & Focused SOA Governance Regimen
SOA Governance Reference Model

SGRM:
- Guiding Principles
- Roles and Responsibilities
- SOA Processes
  - Governing
  - Governed
  - Process artifacts
- Technology
SOA Governance Guiding Principles

- Guiding principles assist in prioritization and decision making for SOA and SOA Governance
- Guiding Principles are selected and modified based on the organizations maturity and goals

Examples:
- Conformance to the organization’s:
  - business governance
  - enterprise architecture (if any)
  - security best practices
- Alignment of business and IT
- Presence of the SOA Reference Architecture
- Existence of provider & consumer contracts
- Managed service metadata
- Identified stakeholders; Assigned responsibility for the governance processes.
- Tailored SOA Governance processes based on project scope, objectives and risk.
- Existence of CoE with business, technical and program / management representation.
- Implemented Governance funding model.
SOA G roles and responsibilities

Governance
- Sponsorship and Leadership
  - Business/IT Steering Board
- Definition and Development
  - EA Governance Board
- Informing and Monitoring
  - SOA CoE
  - SOA Governance Board

Execution and Delivery Teams
- Solution Development
  - Project Manager
  - Business Analyst
  - Solution Architect
  - Security Arch Developers
  - Testers
- Service Development
  - Project Manager
  - Business Analyst
  - Service Architect
  - Integration Arch Developers
  - Testers
- Solution Development
  - Project Manager
  - Business Analyst
  - Solution Architect
  - Integration Arch Developers
  - Testers
- Service Development
  - Project Manager
  - Business Analyst
  - Service Architect
  - Integration Arch Developers
  - Testers

Scope and Delivery Management
- Business Domain Representatives

IT Operations
SOA Governing Processes

- **Compliance** - provides the mechanism for review and approval/rejects against the criteria established.
- **Dispensation** - allows for appeals of noncompliance to established processes.
- **Communication** - educates, supports and communicates SOA governance across the organization.
SOA Governed Processes

PLANNING

SOLUTION

Service Portfolio Management

DESIGN & OPERATIONAL

Solution Lifecycle

SERVICE

Service Lifecycle

Solution Portfolio Management
SOA Governance Technology

Technology to support development and enforcement of the SOA Governance Regimen

- Store and Access capability
- Policy enforcement capability
- Monitoring capability
- Management capability
- Workflow capability
SOA Governance Vitality Model

SOA Governance Vitality Method (SGVM)

Define
Plan
Implement
Monitor
Plan phase

- Understand current governance structures
- Assess SOA maturity
- Develop SOA Governance vision and strategy
- Develop SOA Governance scope
- Develop SOA Governance principles
- Develop SOA Governance roadmap
Define phase

- Define Governed SOA Processes
- Define Governing SOA processes
- Collect SOA guidelines & standards
- Define SOA-G organization, roles and responsibilities
- Define SOA-G information artifacts
- Define SOA Governance Environment
- Create transition plans
Implementation phase

- Organization
- Process
- Technology
Monitor

Monitor and Evaluate SOA Governed processes

Monitor and Evaluate SOA Governing processes

Monitor external changes

Onboard, Monitor and Evaluate SOA guidelines development

Consistent or repeated non-compliance of the SOA Governance policies and standards

Repeated requests for policy and standard exceptions.

Evaluate SOA-G metrics and KPI's

Business Strategy changes

Organizational changes

Legal changes
SGVM Use of SOA Governance Artifacts

- Principles
- Guidelines
- Vision
- Scope
- Maturity
- Governing Processes
- Governed Processes
- Roles
- Transition Plans
- Roadmaps
- Governance Compliance Policies
- Implementation Plans
- SGVM iteration triggers

Plan
Define
Monitor
Implement
SGVM
SOA Governance Benefits

- Creates mechanisms for better business/IT alignment
- Cross-division integration – removes uncoordinated silo-es and duplicated coverage
- Reduces risk
- Early identification and response to problems
- Creates efficiencies:
  - Increases reuse
  - Reduces costs
- Traceability
The value of taking a standard approach in SOA Governance

- Vendor Neutral
- Best Practices from multiple vendors
- Reduces risk
  - knowledge more mature/validated
  - more vendor options
- Common foundation of understanding
  - common structure for approaching governance
  - no mapping vendor terminology
- Enables automation of business and compliance processes
Backup
SOA Governed Processes
Governed SOA Process Relationships

- **Service Portfolio Management**
  - Prioritizes Services For
  - Manages Services Of

- **Solution Portfolio Management**
  - Prioritizes SOA Solutions For
  - Manages SOA Solutions Of

- **Solution Lifecycle**
  - Provides Services To
  - Defines Services for
  - Consumes Services From

**Legend**
- Planning
- Design & Operational