ISD Transformation

Enterprise Architecture Management

Overview

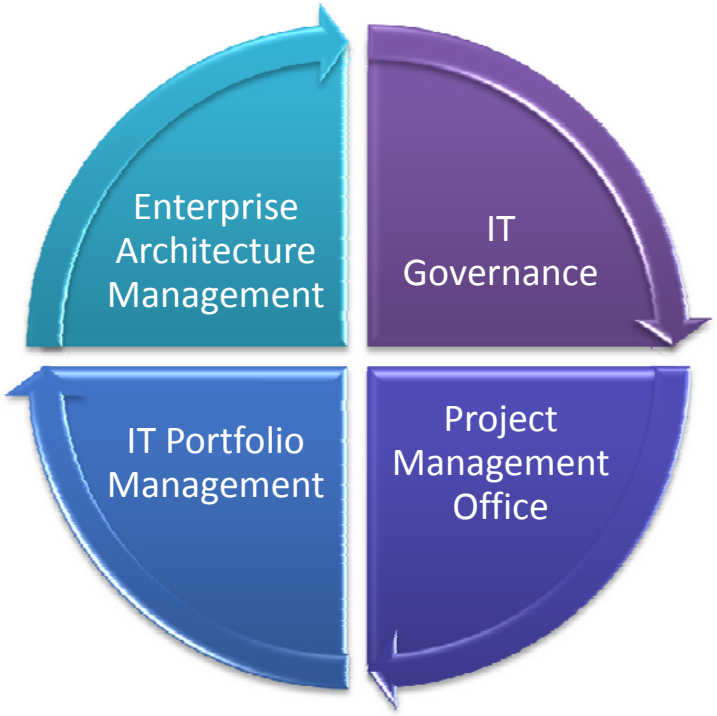
May 19, 2010

WASHINGTON COURTS

Agenda

- Why Enterprise Architecture?
- What is Enterprise Architecture?
- EA Framework
- EA Principles
- Next Steps

ISD Transformation



Current IT Challenges in WA Courts

- **Federated nature of our court systems**
- **Application silos – no vision for integration or coordination**
- **Duplication in investments**
- **No holistic solutions to complex problems**

Enterprise Architecture

- Aids in the management of technology resources
- Applies a holistic thinking to complex state-wide problems
- Eliminates unwanted redundancies
- Actively seeks and embraces new knowledge
- Leverages new opportunities while fully exploiting the past

Enterprise Architecture Defined

Enterprise architecture is the structure and the operational blueprint used to :

- **Align an organization's information technology assets, people, operations, and projects**
- **Optimize the creation and support of business capabilities.**

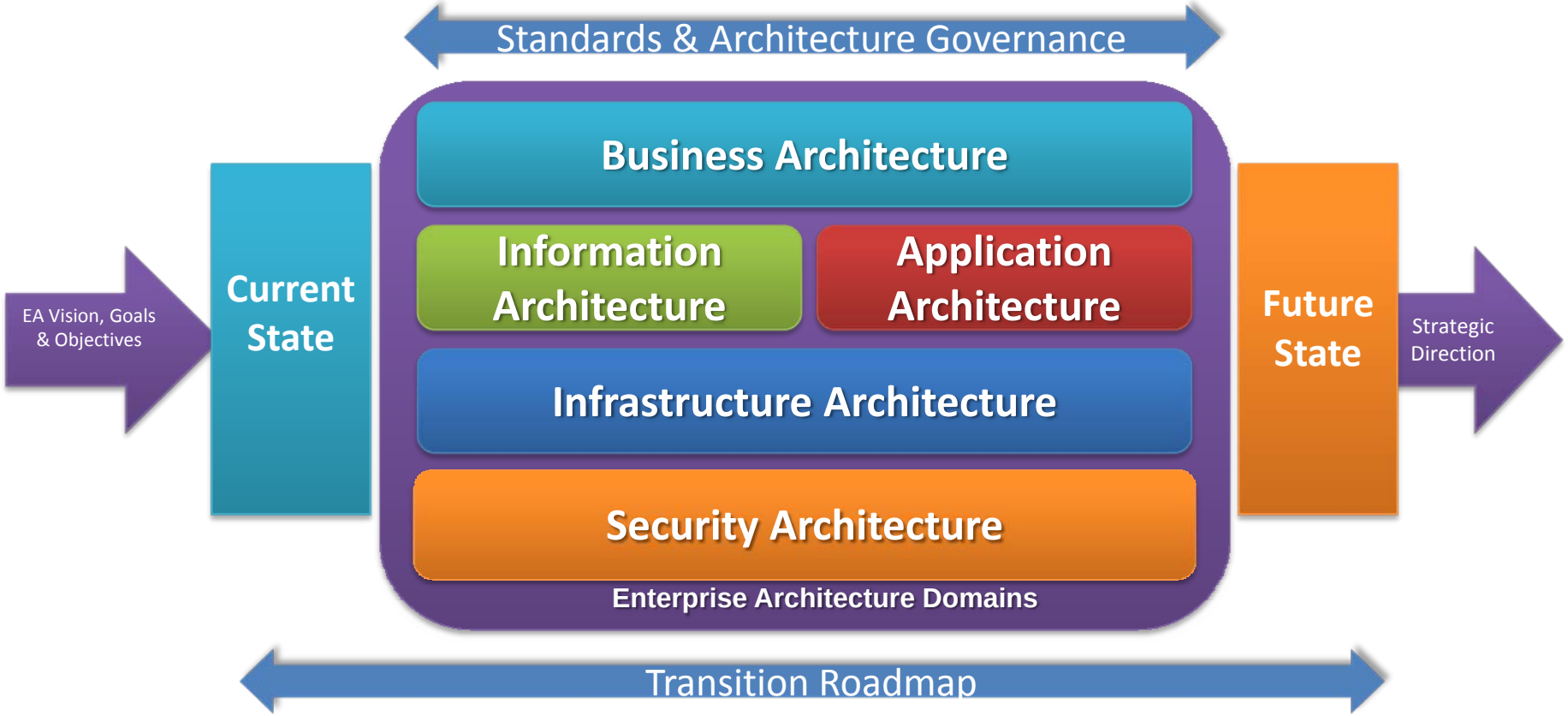
EA Mission

The mission of Enterprise Architecture for Washington Courts is to provide technology guidance, tools and value-added services to meet justice information needs

EAM Services

Adapted from Gartner, "Organize Your Enterprise Architecture Effort: Services", September 2008

EA Framework



EA Principles

Stewardship

A responsibility to manage technology decisions to conserve resources and funds and maximize benefits to the Enterprise.

Objectivity

A duty to provide leadership and guidance on technology choices based on merits, standards and strategies

Transparency

A responsibility to promote an open and accountable governance practice for technology decisions and compliance

Principle #1 - Stewardship

- Align IT with business
- Comprehensive planning for technology decisions
- Maximize cost effectiveness
- Leverage common buying power
- Transition agency to common infrastructure

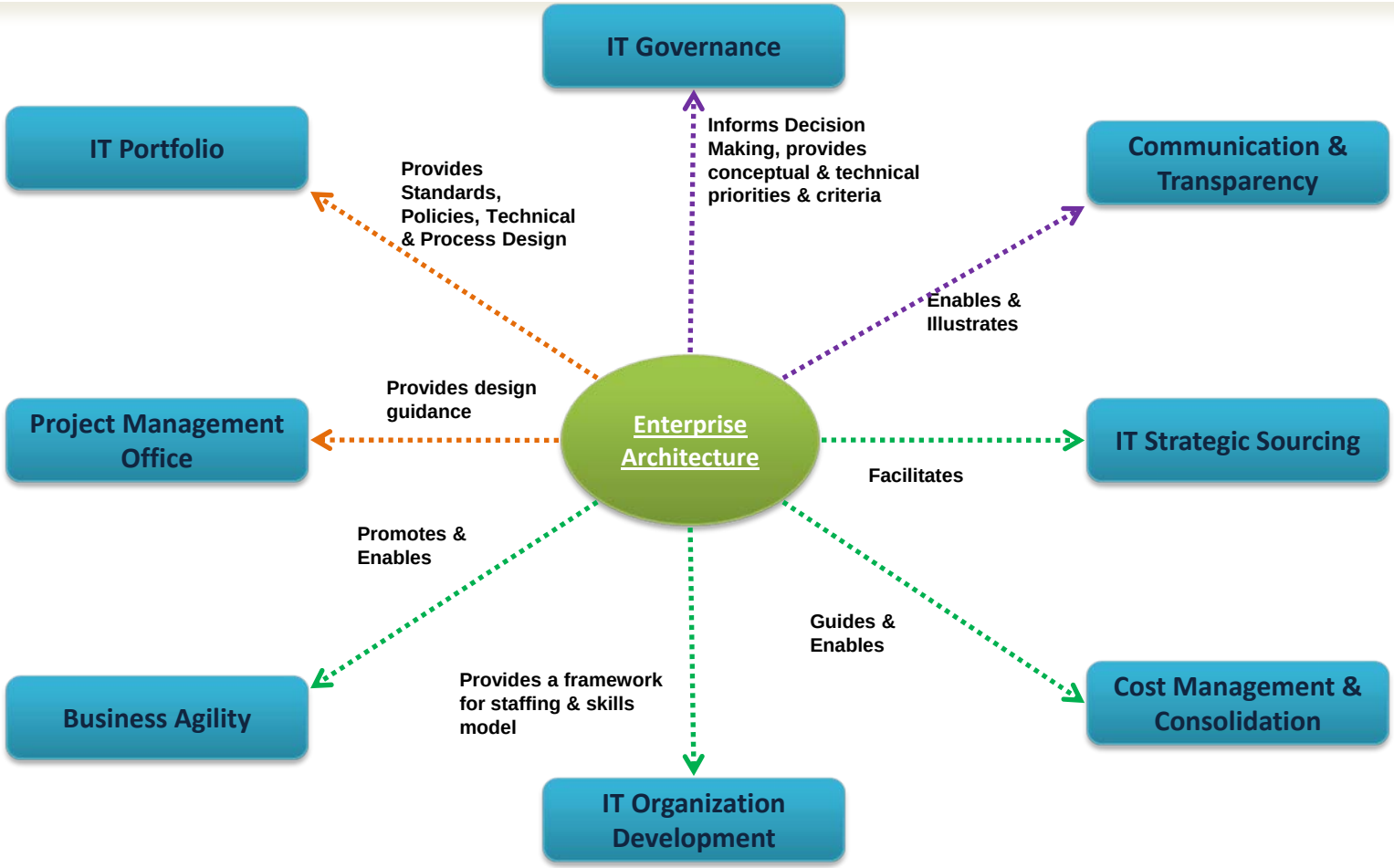
Principle #2 - Objectivity

- **Compliance with national, state, industry and internal standards**
- **Develop**
  - **Strategy & Roadmap**
  - **Standards & Guidelines**
  - **Architecture Reference Models**

Principle #3 - Transparency

- **Technology decisions guided by transparent governance**
- **Solutions architecture governance**
- **IT requests support**

EA Value Model



Next Steps

- Approval of EA Principles
- Establish EA Organizational structure
- EA Strategy & technology roadmap
- EAM processes
- Develop and adopt policies

Appendix

Business Architecture Domain

Defines structure of enterprise in terms of its capabilities, governance structure, business processes, and business information

- **Provides a common understanding of the functional needs of the business**
- **Deals with business process analysis and re-engineering**
- **Aims for common solutions for business process needs shared by multiple entities**

Information Architecture Domain

Deals with the modeling and use of the information assets of the enterprise

- **Aims to maximize the utility of information assets**
- **Deals with data consumed as well as generated**
- **Deals with how data is shared**
- **Determines how data is accessible**
- **Establishes stewardship of data**

Application Architecture Domain

Deals with the applications required to support the business; the software platform and the design models for these applications

- **End users interface and interaction to technology**
- **Common use**
- **Service Orientation**
- **Technology independence**
- **Ease of use**

Infrastructure Architecture Domain

Addresses the underlying enabling hardware, operating system software, software utilities, and networking equipment that support enterprise applications.

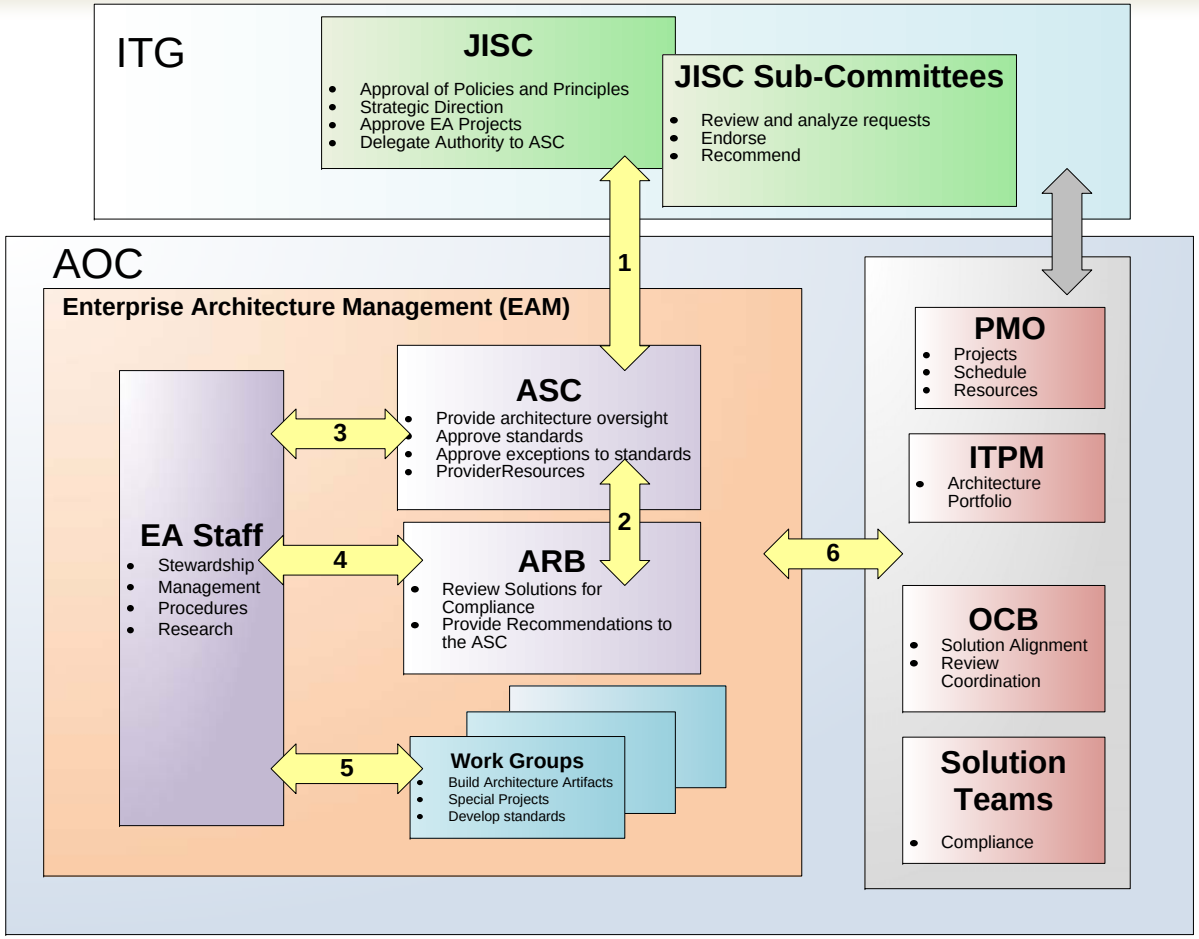
- **Deals with communications between technical architecture layers and between systems**
- **Supports Interoperability**
- **Supports Scalability**
- **Provides business continuity**
- **Helps manage technical complexity**

Security Architecture Domain

Foundation to enable secure communication, protection of agency business processes, and information resources, and ensures that new methods for delivering

- **Secure enterprise**
- **Centrally managed security**
- **Universal Security**

Enterprise Architecture Organization



Legend:
ASC: Architecture Steering Committee
ARB: Architecture Review Board
PMO: Project Management Office
ITPM: IT Portfolio Management
OCB: Operational Change Board

EA Deliverables

Deliverable	Approving Authority
IT Policies	JISC
Technology Standards & Guidelines	ASC
Technology Strategy & Roadmap	ASC
Reference Architectures	ASC
Solutions Architecture	ARB