



Indian Health Service Enterprise Architecture ~ Version 6

Information Systems Advisory Committee
March 29, 2006

George T. Huggins, MBA
Chief Enterprise Architect, Division of Information Technology
Office of Information Technology
George.Huggins@IHS.HHS.gov



Agenda

- Background
- Process
- Major Changes



Background

- **IT Management Reform Act of 1996 (ITMRA)**
 - **Clinger-Cohen Act**
 - **Legislative driver that requires EA development.**
 - **Defines IT as "integrated frameworks for evolving or maintaining existing IT and acquiring new IT to achieve the Department's strategic goals and information resources management goals."**
 - **Encourages performance-based and results-based management; benchmarking performance against comparable processes and organizations in the public or private sectors; and process analysis and revision for mission-related processes prior to investing in IT to support those missions.**
 - **Establishes requirements to appoint a CIO within each Executive Agency, outlines the CIO's responsibilities, duties, and qualifications; and promotes streamlined IT acquisition processes that address risk, incremental acquisitions, and the need to incorporate commercial IT in a timely manner.**



Process

- **Validate Version with IHS Organizations**
- **Obtain Approval Recommendation from ISAC**
- **Obtain Approval from CIO**
- **Online at EA site on Home**
 - **<http://home.ihs.gov/ITSC-CIO/EA/index.asp>**



Major Changes

- Reorganization
- Expansion of Content
- Compliance
- Source Data



Outline



Before

- 1.0 Executive Summary
- 2.0 Introduction
- 3.0 Direction
- 4.0 Framework
- 5.0 Current Environment
- 6.0 New & Emerging Technologies
- 7.0 IT Plan
- 8.0 Appendix: IT Security Architecture Plan

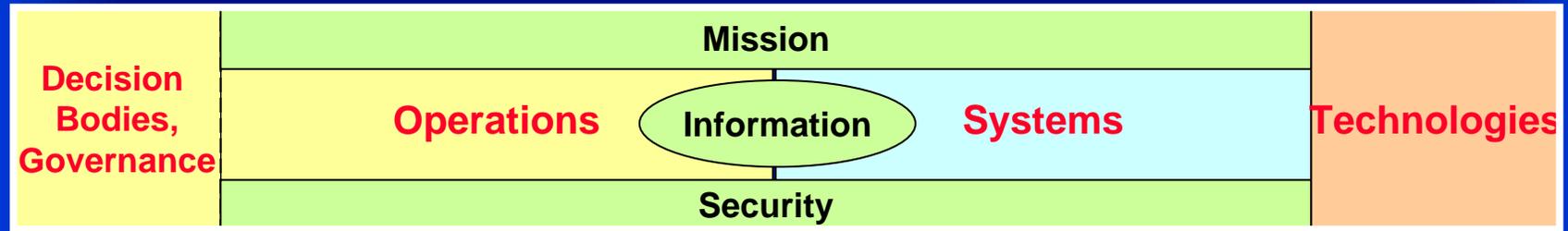
After

- 1.0 Executive Summary
- 2.0 Introduction
- 3.0 IHS Mission, Vision and Direction
- 4.0 IHS EA Framework
- 5.0 Baseline Architecture
- 6.0 Target Architecture
- 7.0 IT Transition Strategy & Plans
- 8.0 IHS Technical Reference Model & Standards Profile
- Appendix: IHS 2005 Profile



Enterprise Architecture: Transformational View of Components

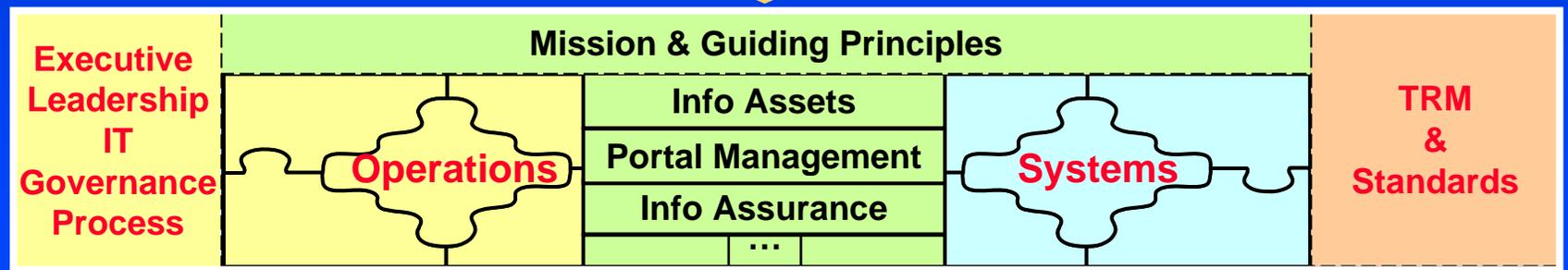
Baseline Architecture



Transition Strategy



Target Architecture

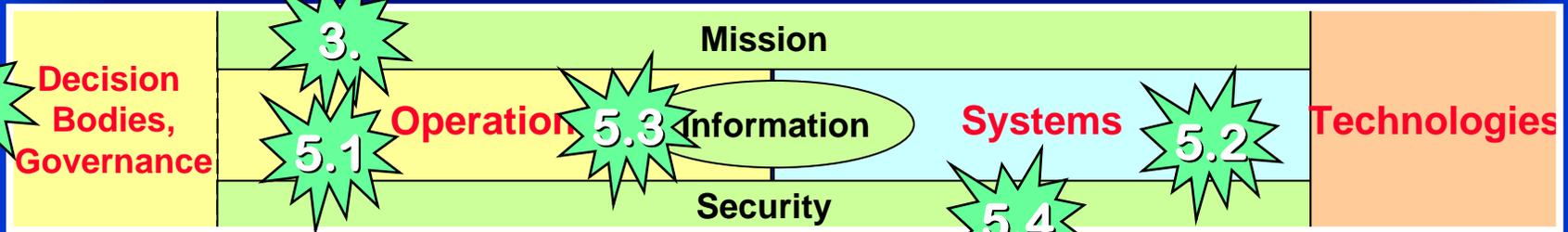


- Element of Technical Architecture View
- Element of Operational Architecture View
- Element of Systems Architecture View
- Spans Operation and Systems Architecture Views



Enterprise Architecture: Component/Document Mapping

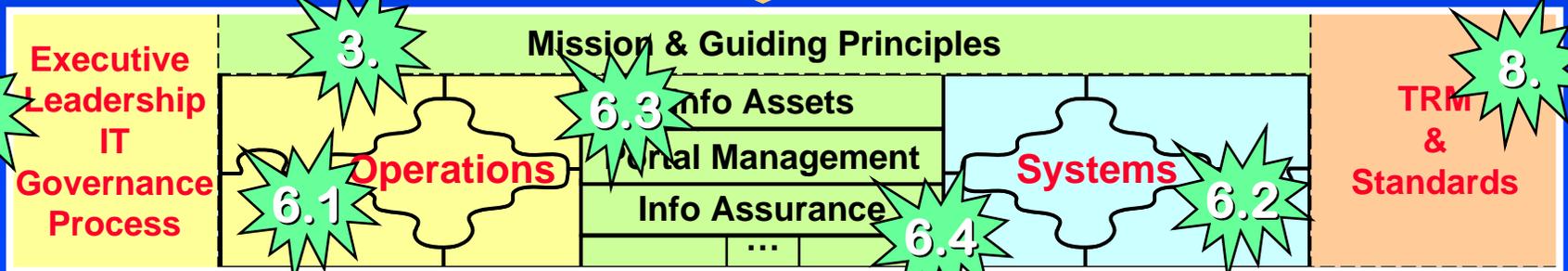
Baseline Architecture



Transition Strategy



Target Architecture



- Element of Technical Architecture View
- Element of Operational Architecture View
- Element of Systems Architecture View
- Spans Operation and Systems Architecture Views



IHS Chief Enterprise Architect (CEA)

■ Major Responsibilities:

- Establish and support management of IHS EA Program
 - ★ ● Ensure compliance with Federal regulations and requirements
 - Review and update architecture documentation
 - Review and report progress
- ★ ● Integration of FEA, HHS, IHS and FHA architectures
- ★ ● Participate in HHS EA Review Board and other related activities
 - HHS Model Working Group
 - OMB Assessments
- Support CPIC and Exhibit 300 development
 - IHS and each of the twelve Area Offices
- ★ ● Communicate plans, progress, and issues
 - IHS CIO and CEA
 - ISAC, ISCs, Area Office CIOs, IHS business leaders, ITIRB
 - Tribes and others



Expansion of Content

- **Updates and Extends the Scope**
 - **IHS Mission, Vision, and Direction**
 - **Business and Technology Views of the IHS**
 - **Baseline (as-is) Architecture**
 - **Target (to-be) Architectures**
 - **Transition Strategies**
 - **Technical Reference Model and Standards Profile**



Compliance

- **Align with Goals of the Department of Health and Human Services (DHHS) Program**
- **Federal Enterprise Architecture (FEA)**
- **Government Accountability Office (GAO)**
- **Office of Management and Budget (OMB)**



Legislative Mandates

- **IT Management Reform Act of 1996 (ITMRA)**
 - **Clinger-Cohen Act**
- **Chief Financial Officers Act of 1990 (CFO)**
- **Federal Acquisition Reform Act of 1996 (FAR)**
- **Federal Acquisition Streamlining Act of 1994 (FASA)**
- **Federal Information Security Management Act (FISMA)**
- **Government Management Reform Act of 1994 (GMRA)**
- **Government Paperwork Elimination Act of 1998 (GPEA)**
- **Government Performance and Results Act of 1993 (GPRA)**
- **Paperwork Reduction Act of 1995 (PRA)**

Additional Federal Laws

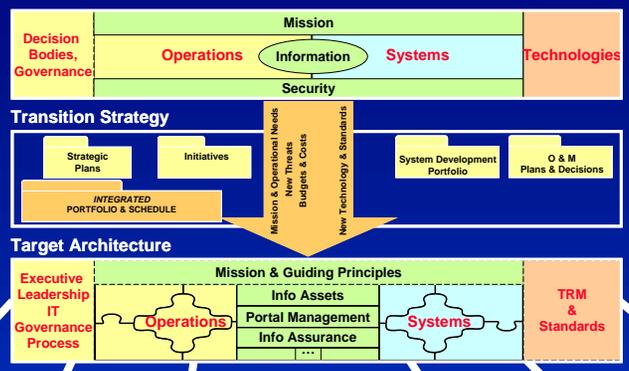
- **Privacy Act of 1974**
- **Health Insurance Portability and Accountability Act of 1996 (HIPAA)**



IHS EA v.6—Document Linked to Authoritative Sources

IHS EA v.6 Document

Guide to information across the IHS



Authoritative Sources

IHS Intranet (home.ihs.gov)

- Strategic Plans
- System Configs
- Project Databases

IHS Internet (www.ihs.gov & info.ihs.gov)

- Area Descriptions
- Facilities & Services
- Public Information

EA information maintained at the source



Data Sources

- **Use Internet and Intranet Sites, As Appropriate**
- **Leverage IHS EA Structure (Organization and Linkage Strategy)**
 - **IHS Strategic Plan**
 - **IHS Information Resources Management Plan**
 - **Infrastructure Configuration Information**
 - **Area Office Strategic and Performance Plans**
 - **IT System Development Plans**
- **Manage Toward National Standards**
- **Align with HHS Metis Modeling Plans**
 - **Clarify Relationship of Document Information to Anticipated HHS Models**



Questions & Answers

