



Commonwealth Data Governance: Enterprise Architecture (EA) Policy & Enterprise Information Architecture (EIA) Action Plan

Presented to the
Health Information Technology Standards
Advisory Committee (HITSAC)
March 15, 2012



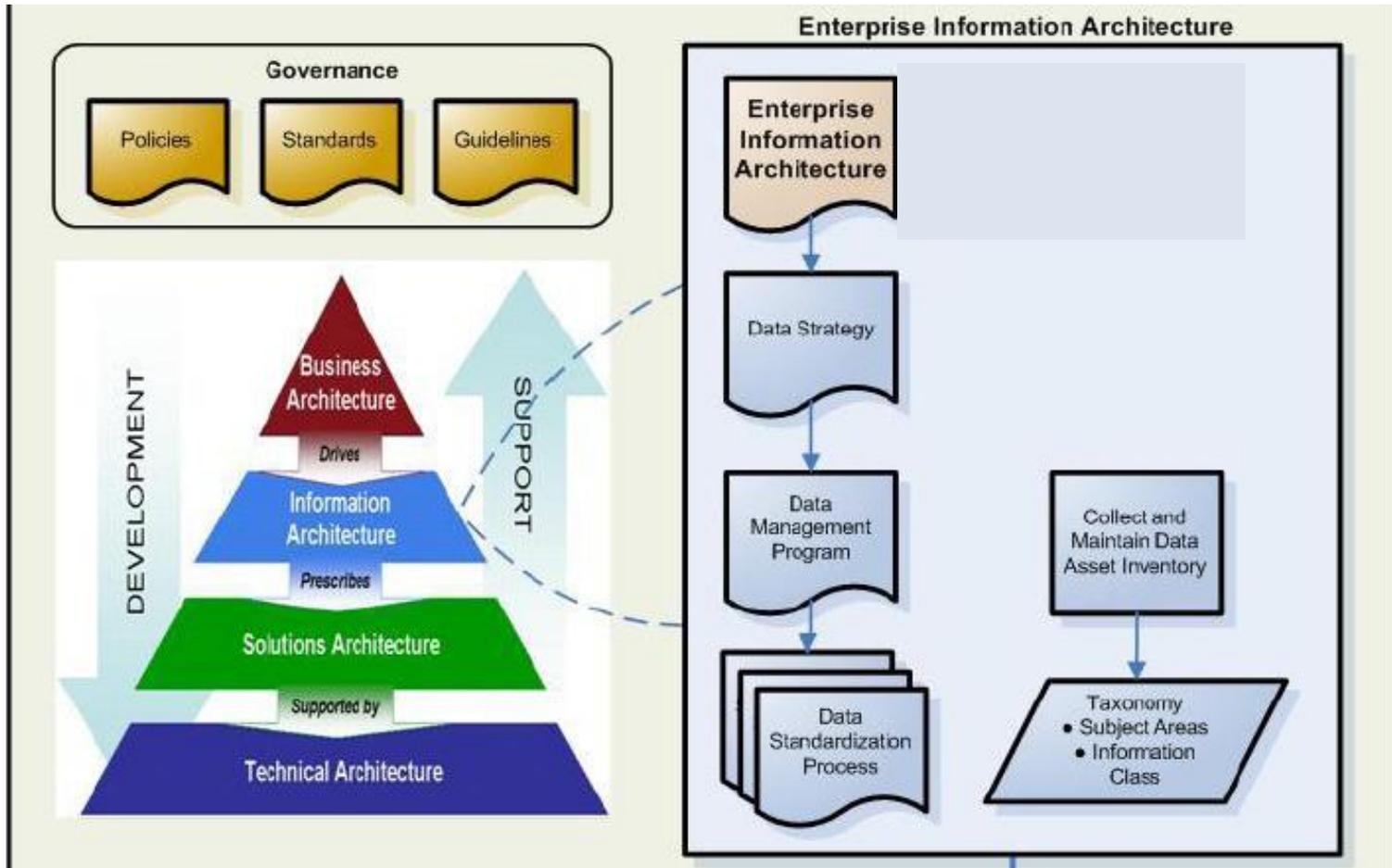
Information Technology Resource Management (ITRM) – Enterprise Architecture (EA) Policy Framework



EA Policy Framework

- Enterprise Architecture (EA) established under the ITRM policy framework and articulated in the EA Policies, Standards and Guidelines (PSGs)
- Enterprise Information Architecture (EIA) resides under the EA Policy and currently is governed by
 - Commonwealth Data Strategy
 - EIA Data Standardization Process
 - Data Management Program Plan
 - HITSAC Governance Framework (Proposed)

EA Policy





EA Policy – Proposed Amendments

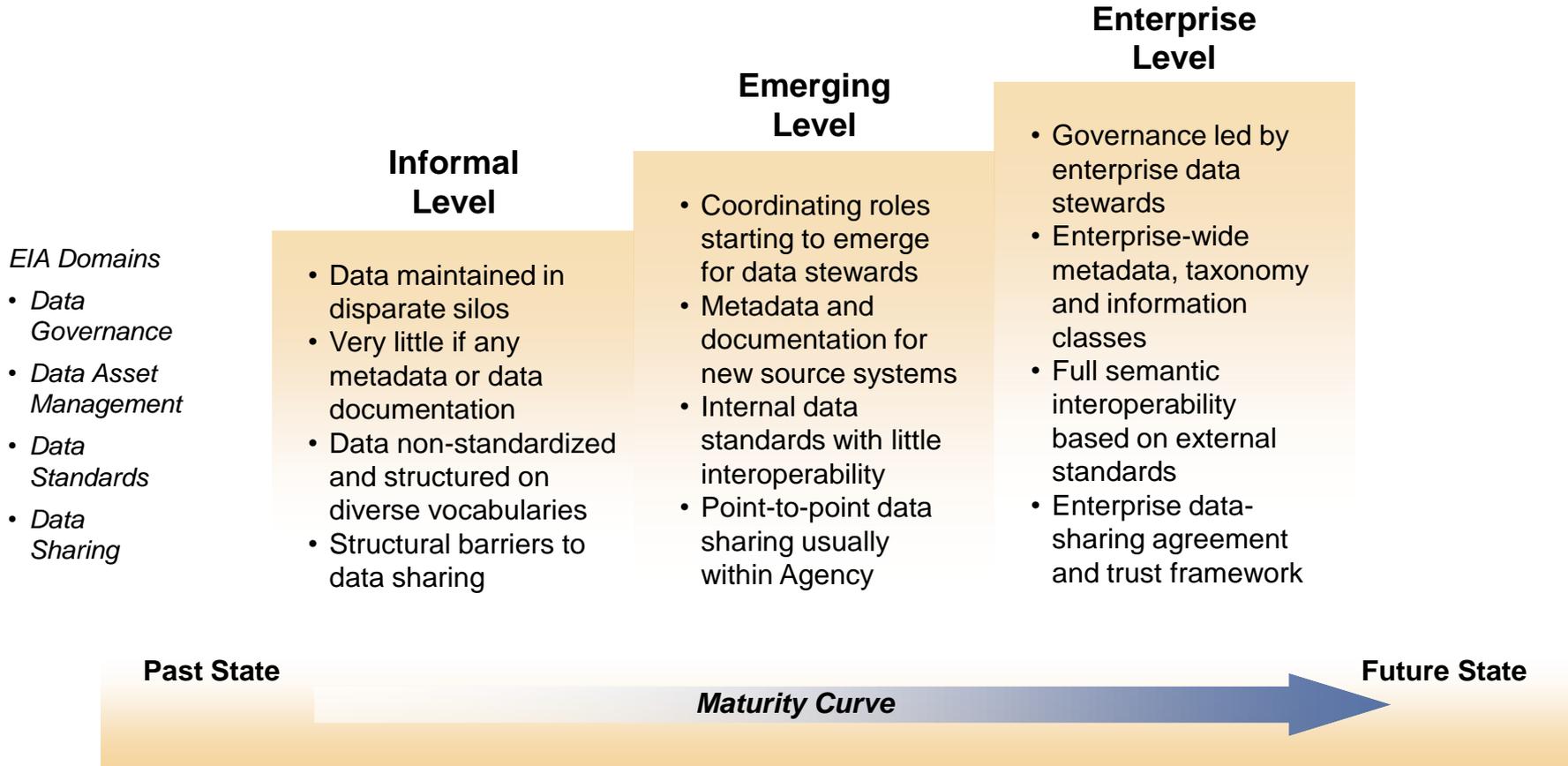
- Commonwealth Data Governance (CDG), as the entity responsible for managing implementation of the EIA, has drafted proposed amendments to the EA Policy to include EIA provisions
- The proposed amendments will provide a basis upon which CDG will redevelop the primary governance framework for the EIA program
- The amendments also will support implementing, in spirit, the HITSAC proposed Governance Framework



EA Policy – Proposed Amendments

- The proposed amendments build upon an EIA Maturity Model, which defines the desired “future state” based on qualitative benchmarks in four EIA domains
- The amendments incorporate EIA provisions into the EA Policy statements and direction
- The amendments more closely align EA Business Architecture with EA Solutions and Technology Architecture

EIA Maturity Model



Source: AMR Research, 2006



EIA Domains

- Enterprise Data Governance

High-level stewardship and management of data/information architecture and assets; strategic-level planning, monitoring and policy-making to govern enterprise data management

- Enterprise Data Asset Management

Management of data asset inventory; metadata defining or describing data/information assets, including taxonomies, subject areas and information classes; data documentation in metadata repository



EIA Domains

- Enterprise Data Standards

Establishment and maintenance of adopted agreements on common data/attribute definitions, specifications and vocabularies for data/ information assets; publication and maintenance of data standards in EA Standards Repository

- Enterprise Data Sharing

Trust framework and legal agreements enabling the exchange of information across organizational domains and source data systems; security, privacy, consent and authorization compliance through applicable law



Commonwealth Data Governance EIA Action Plan



CDG – EIA Action Plan

- Enterprise Data Governance
 - CDG has initiated a systematic evaluation and update process for the EIA governance framework
 - CDG has submitted the proposed EA Policy amendments for HITSAC review (March 15, 2012)
 - Following HITSAC review and approval, CDG will proceed with redeveloping the EIA governance documents and Commonwealth Data Strategy for implementing the amended EA Policy



CDG – EIA Action Plan

- Enterprise Data Governance
 - CDG has prepared a work plan to redevelop the Commonwealth Data Strategy
 - CDG will kick-off the Data Strategy planning process in April 2012, following HITSAC's review and approval of the EA Policy amendments
 - CDG will complete the planning and development process on the following schedule:
 - Stakeholder workshops thru August 2012
 - Analysis and plan development thru October 2012
 - HITSAC in November 2012



CDG – EIA Action Plan

- Enterprise Data Asset Management
 - CDG will begin with the Commonwealth Enterprise Technology Repository (CETR) and compile subject-area and information classes and metadata architecture documenting COV Agency source data systems
 - CDG will develop a high-level, subject-area enterprise data inventory and enterprise taxonomies
 - CDG will map data asset inventory to adopted data standards for tracking and compliance reviews



CDG – EIA Action Plan

- Enterprise Data Standardization
 - CDG will update the process model for data standardization to be consistent with VITA's statutory authority
 - Under current authority, VITA/CDG may play a support role to facilitate the process of data standardization
 - Process model needs to be updated to reflect VITA's roles and responsibilities and the COV process for the development/election, review, harmonization, adoption and maintenance of enterprise data standards



CDG – EIA Action Plan

- Enterprise Data Sharing
 - CDG will continue working with Secretarial Committee on Data Sharing (SCDS) Participants on the committee recommendations toward a Commonwealth-wide data-sharing agreement
 - CDG will provide policy research and staff support, as needed, to advance the SCDS recommendations
 - CDG will facilitate ongoing engagement among data stewards in support of a Commonwealth data-sharing agreement



Contacts:

Joseph W. Grubbs, Ph.D., AICP, GISP
Commonwealth Data Governance Service Lead
(804) 416-6171/Joseph.Grubbs@vita.virginia.gov

Todd D. Kissam
Chief Enterprise Architect
(804) 416-6189/todd.kissam@vita.virginia.gov