



Virginia Information Technologies Agency

# Commonwealth Data Governance (CDG) Progress Report: Enterprise Data Standardization

**Joseph W. Grubbs, Ph.D.**  
VITA – CDG Service Lead

---

Presentation to the  
Information Technology Advisory Council  
November 5, 2012



## Adopted Commonwealth Standards

- Total of 130 Commonwealth Enterprise Architecture Data Standards adopted to date
  - Includes data, data exchange, vocabulary, messaging and technology standards and implementation guides
  - 127 standards adopted in the health IT domain (HITSAC)
  - Two data standards adopted in the seven business areas required under the 2008/2010 Appropriation Acts (Procurement Vendor, Employee ID)
  - One data-exchange standard adopted to support interoperability in the Enterprise Data Management (EDM) solution (EDM Person Standard)



## CDG Current Initiatives

- Item 427, 2012 Appropriation Act – Interim plan for data standardization (November 2012)
- Auditor of Public Accounts (APA) May 2012 Audit – Corrective Action Plan (CAP)
- 2008/2010 Appropriation Acts – Engagement with Commonwealth agencies to develop data standards in the remaining five business areas



## CDG Current Initiatives

- HITSAC Administration – Health IT standards, governance and integration between health and non-health domains
- National Information Exchange Model (NIEM) – Training (Nov. 27-29) and integration planning
- Commonwealth Enterprise Information Architecture (EIA) Strategy – EIA Scorecard and strategic planning process



## Item 427 Interim Plan – Background

- Item 427 of the 2012 Appropriation Act set requirements for data standardization
- Budget language closely aligned with the findings from the APA audit completed in May 2012
- Item 427 requirements went beyond the original statutory requirements to standardize data in the seven core “business of government” domains
- New requirements included standardization of all “citizen-centric” data



## Item 427 Interim Plan – Proposed Strategy

- Item 427 C.1 Requirement – Standardization of all “citizen-centric” data
  - Standards via conformance with the National Information Exchange Model (NIEM)
  - Scope, schedule and cost estimate
- Item 427 C.2 Element – Standardization of data for projects cited in the Item
  - CDG compliance role in IT Investment Management and Project Management Division review of IT projects



## Item 427 – Final Plan

- Complete analysis of the scope, cost estimate and schedule for meeting the Item 427 C.1 and C.2 requirements
- Appropriate governance structure for adopting and ensuring compliance with data standardization
- Alternatives to data standards, including data-exchange standards, Web services and Enterprise Data Management solutions
- Resource needs to provide staffing and budget to achieve Item 427 requirements



## Standards Under Development

- Chart of Accounts Data Standard (Cardinal)
- Order to Payment Data Standard (General Services)
- Procurement Vendor Standard-Updates (General Services)
- Check Writing Data Standard (Treasury)
- Enterprise Data Management (EDM) Person Standard – Mapping to NIEM conformant Information Exchange Package (IEP)
- Commonwealth Employee ID Standard – Mapping to NIEM conformant IEP



## Upcoming Events

- Webinar for the National Academy of Public Administration (NAPA) on the eHHR Program (Joint presentation with DMV and the Office of the Secretary of HHR) – Nov. 13
- Solo Webinar for NAPA on building a trust framework to support enterprise data sharing – Week of Nov. 26
- Guest blogger for the Office of the Director of National Intelligence on the Commonwealth's NIEM integration strategy (Co-broadcast on the NIEM.GOV Web site) – Mid November



Virginia Information Technologies Agency



## Questions?

Joseph W. Grubbs, Ph.D., AICP, GISP  
Enterprise Information Architect  
Commonwealth Data Governance  
Virginia Information Technologies Agency  
Phone: (804) 416-6171  
Email: [Joseph.Grubbs@vita.virginia.gov](mailto:Joseph.Grubbs@vita.virginia.gov)