



Directive on Data Stewardship

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Outline

- Data Stewardship Directive
- Today's Opportunity
- Beyond Today



Directive on Data Stewardship

Purpose

- The Directive on Data Stewardship is required to support the formalized development of departmental and enterprise wide Data Management practices

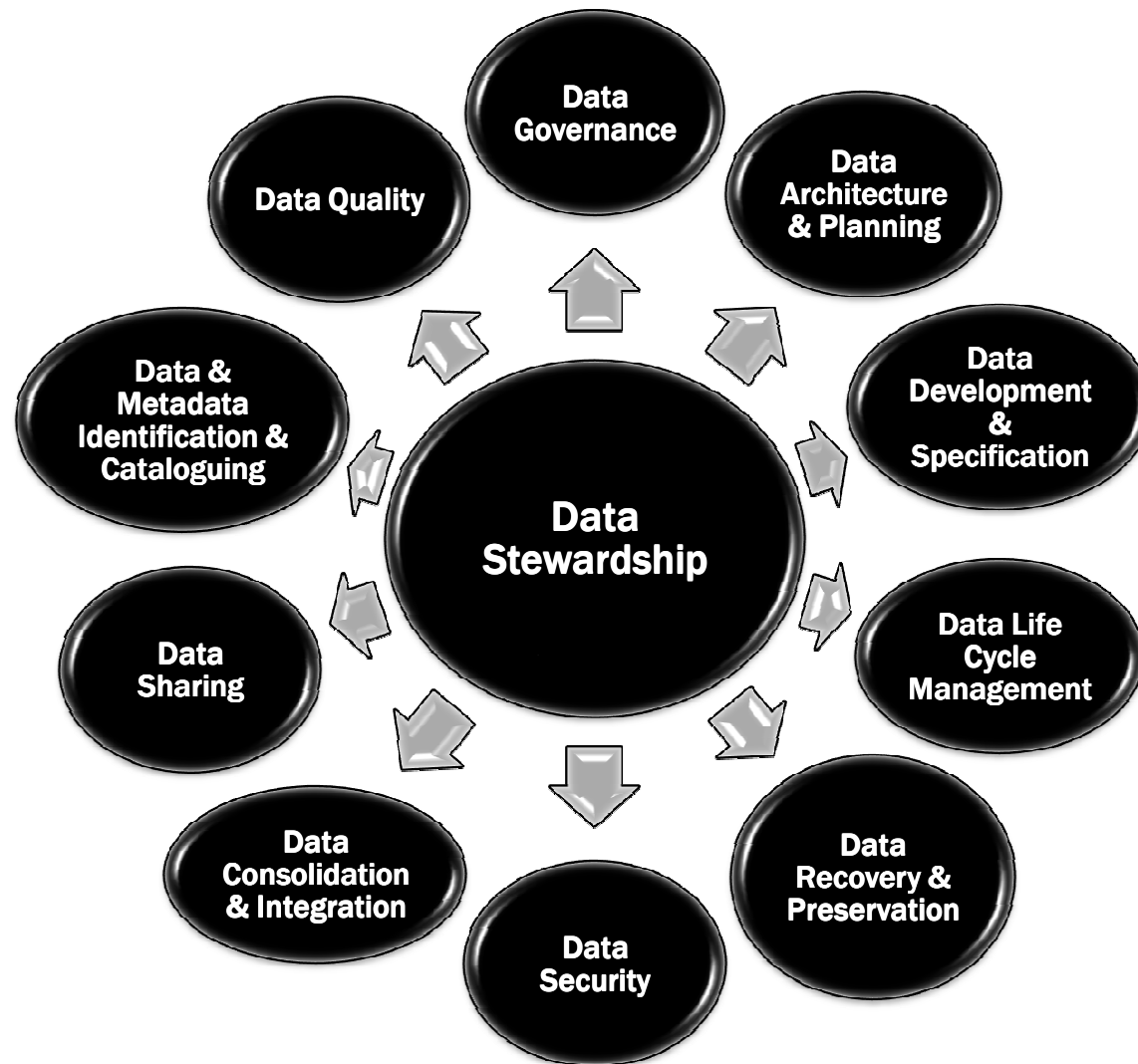


Directive on Data Stewardship

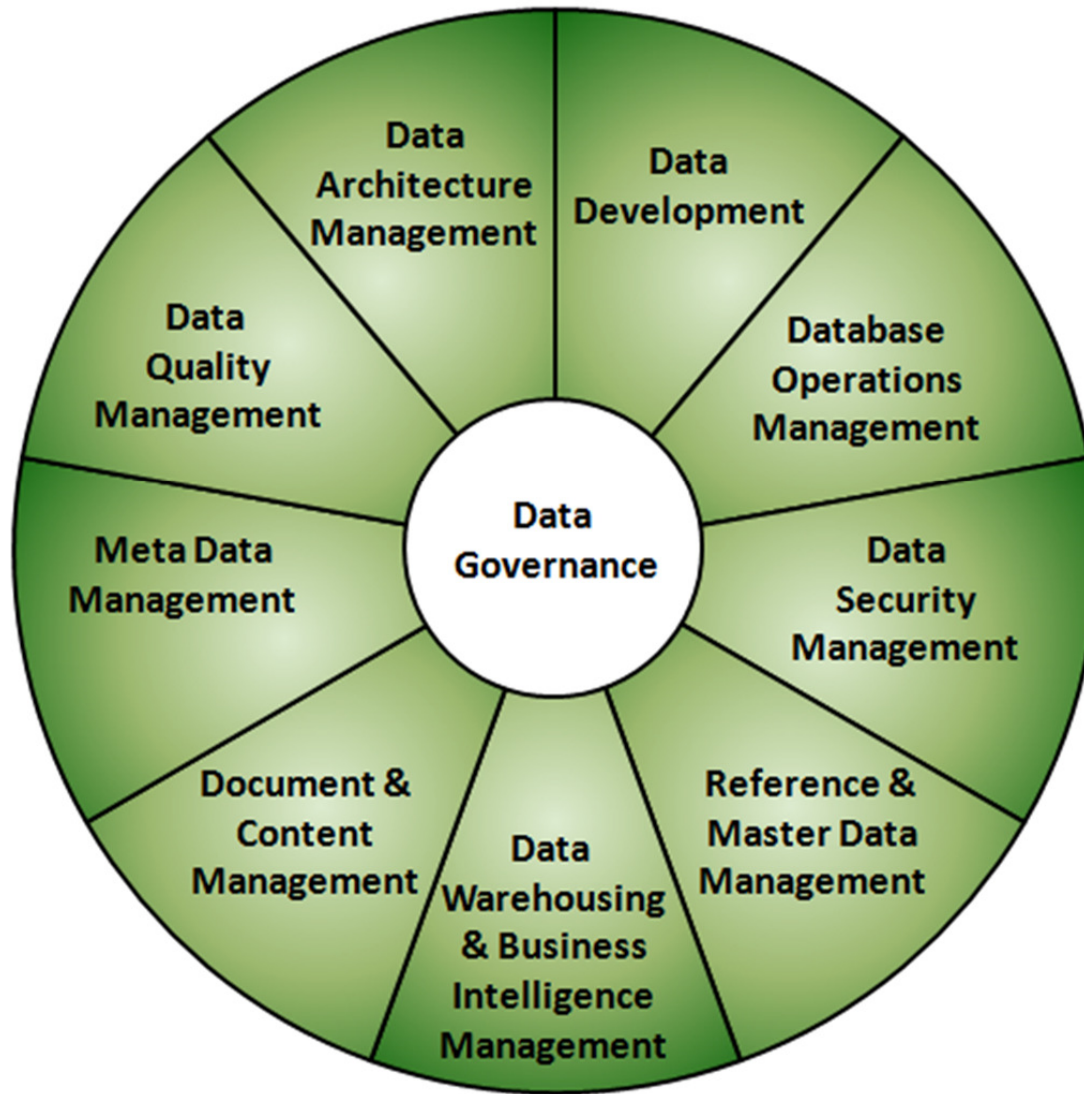
Outcomes

- Drive consistency and standardization across GC pertaining to data management
- Reduce the Federal Government's Total Cost of Ownership (TCO) of data assets
- Enhance the reliability, integrity and security of Federal data assets
- Enable increased access and sharing of data internally across GC and externally with citizens

TBS Stewardship Areas



DAMA DM-BOK Knowledge Areas



TBS Stewardship Draft Requirements

Area	Requirement
Data Governance	Develop, implement, and maintain efficient and effective departmental governance structures to support the effective planning, monitoring and enforcement of data management practices across the enterprise.
Data Architecture & Planning	Identify, define and document the department's data needs and design master plans to need those needs.
Data & Metadata Identification & Cataloguing	All data & metadata assets are inventoried.
Data Development & Specification	Standardize the management and development of data assets of business value.

TBS Stewardship Draft Requirements

Data Life Cycle Management	Establish and implement mechanisms and processes to ensure structured data assets within operational databases and other structured data repositories support the management of data throughout the data life cycle.
Data Security	Establish and implement mechanisms and processes to ensure strong authentication and access control policies and systems are implemented; this includes adhering to GC policies, directives and standards on security.
Data Recovery & Preservation	Establish plans and processes to ensure <u>Data Recovery</u> is possible for data of business value. Establish mechanisms and processes to evaluate and when required ensure data of business value is retained and preserved for the long-term

TBS Stewardship Draft Requirements

Data Consolidation & Integration	Develop and implement mechanisms and processes to manage and maintain consolidation and integration of data of business value that is common across many programs and services.
Data Quality	Establish data quality management methodologies and mechanisms to ensure the quality of data of business value meet established business requirements
Data Sharing	Establish mechanisms to ensure departmental data assets of business value can be accessed, shared and disseminated to those authorized while maximizing timely access (availability), efficient data exchange and open, transparent practices (interoperability).

DM-BOK Alignment w/TBS Stewardship

TBS Area	DM-BOK Area	Governance	Architecture	Development	Operations	Security	Master Data Mgt	BI/DW	Document/Content	Meta-Data	Quality
Data Governance		H									
Data Architecture & Planning			H								
Data Development & Specification				H							
Data Life Cycle Management					H						
Data Recovery & Preservation					H						
Data Security						H					
Data Consolidation & Integration					M		H				M
Data Sharing								M	M		
Data & Metadata Identification & Cataloguing										M	
Data Quality											H



TBS Stewardship Draft Requirements

Three areas that go beyond DAMA

1. Data Consolidation & Integration
2. Data Sharing
3. Data & Meta Data Identification and Cataloguing



Today's Opportunity

TBS

- Engage data management experts
- Validate our thinking and assumptions
- Gather feedback

You

- Influence the direction TBS will be going with data management in the Federal Government
- Provide feedback on the Directive on Data Stewardship
- Get involved in future decision and discussions around DM



Beyond Today

Future Policy & Guidance

- The work will not stop with the Directive on Data Stewardship, there is lots of work still to be completed
- Future data management policy instruments, for example; Guideline on Data Quality

Get Involved

- Share your expertise and best practices related to data management at forums such as this and on GCPEDIA, and IM Community sites
- Participate as an active member of CIOB Data Stewardship Working Group to develop policy and guidance - info on GCPEDIA



Questions?

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Links:

- www.data.gc.ca
- [www.gcpedia.gc.ca/wiki/Data Management Body Of Knowledge](http://www.gcpedia.gc.ca/wiki/Data_Management_Body_Of_Knowledge)
- [http://www.gcpedia.gc.ca/wiki/Working Groups - EIA](http://www.gcpedia.gc.ca/wiki/Working_Groups_-_EIA)