

DCAM VERSION 1.2.2 - OUTLINE

Component (8)	Capability (36)	Sub Capability (112)	Objectives (306)
1.0 DATA MANAGEMENT STRATEGY	1.1. Data management strategy (DMS) is specified and shared with relevant stakeholders	1.1.1. The Data Management Strategy is developed	3
		1.1.2. The Data Management Strategy is Aligned with High-Level Organizational Objectives	3
		1.1.3. The Data Management Strategy Includes an Established Mechanism for Approval	3
		1.1.4. The Data Management Strategy has been Evaluated as Being Enforceable	2
	1.2. High level business requirements are captured, prioritized, and integrated into the DMS	1.2.1. High-Level Business Requirements have been Documented and Used to Create the DMS	2
		1.2.2. Requirements Incorporated into the DMS have been Prioritized and Approved	2
	1.3. The DMS defines the importance of identifying, prioritizing and assuring the appropriate use of authorized data domains.	1.3.1. The DMS calls out the need to identify and prioritize authorized data domains	2
		1.3.2. The DMS articulates the importance of establishing policy to enforce appropriate use of authorized data domains	2
	1.4. The DMS is aligned with and mapped to architectural, IT and operational capabilities	1.4.1. Data architecture concepts have been incorporated into the DMS	3
		1.4.2. Technology concepts have been incorporated into the DMS	3
1.4.3. Operational concepts have been incorporated into the DMS		3	
1.5. The DMS requires the creation of a formally established governance program.	1.5.1. The DMS defines the purpose and objectives for establishing data governance	2	
	1.5.2. The DMS describes the data governance operational approach	2	
1.6. The DMS defines how the data management program will be measured and evaluated.	1.5.3. The DMS describes the governance structure, roles and responsibilities	2	
	1.6.1. The DMS defines the importance of developing program metrics (tracking and adherence metrics) to determine how the data management program itself will be measured	4	
	1.6.2. The DMS defines the importance of developing metrics to determine and track data quality	4	
1.7. The data management strategy calls for the creation of a communication and training program	1.6.3. The DMS defines the importance of developing outcome metrics to determine the effectiveness of the data management program	4	
	1.7.1. The DMS describes the importance of establishing a communication strategy	2	
2.0 DATA MANAGEMENT BUSINESS CASE AND FUNDING MODEL	2.1. The data management business case is aligned to strategic drivers and tangible business outcomes.	1.7.2. The DMS Describes the Need for an Education and Training Program	2
		2.1.1. The data management business case is mapped to and aligned with the data management strategy	2
		2.1.2. High level business outcomes are defined and sequenced.	2
	2.2. The data management funding model has been established, approved and adopted by the organization.	2.1.3. The data management business case is socialized and validated by program stakeholders	3
		2.2.1. The DM funding model is matched to business requirements, implementation timelines and operational capabilities.	7
		2.2.2. The DM funding model is aligned with the business process of the organization	3
	2.3. The funding model can be measured and evaluated against tangible business objectives	2.2.3. Implementation of the DM funding model is enforced.	3
		2.3.1. Total expense for the data management program is captured, maintained and analyzed	2
		2.3.2. A standard methodology for capturing the financial benefits of the data management program is established	3
	3.0 DATA MANAGEMENT PROGRAM	3.1. The data management program is established and empowered.	2.3.3. Financial benefits are measured, monitored and used for making data management program decisions
3.1.1. The data management program is established			3
3.1.2. The data management program has the authority to enforce adherence and compliance.			2
3.2. The data management organizational structure is created and implemented		3.2.1. Data management office (DMO) is created	3
		3.2.2. The DMO has an executive owner	4
		3.2.3. The DMO is funded and staffed with the required skill-sets	2
3.3. The roadmaps for the data management program are developed, socialized and approved.		3.3.1. Program roadmaps are defined, developed and aligned with the data management strategy	2
		3.3.2. Program roadmaps are socialized and agreed to by program stakeholders	2
		3.3.3. Project plans are developed detailing deliverables, timelines and milestones	2
3.4. Stakeholder engagement is established and confirmed		3.4.1. Identified stakeholders commit and are held accountable to the data management program deliverables	4
	3.4.2. Resource plans are aligned with and verified against program requirements	3	
	3.4.3. Funds are allocated and aligned to program roadmaps and workstreams	4	
3.5. Communication program is designed and operational	3.5.1. Internal communication plans have been created, channels established, plans published and approved	3	
	3.5.2. Communication plans with external regulators bodies are created and approved	3	
	3.5.3. Active engagement with external industry and standards bodies are in place	2	
3.6. Data management routines are established, operational and measured	3.6.1. Routines for support of the data management program have been established	2	
	3.6.2. Issue identification, prioritization, escalation and conflict resolution are defined and operational	2	
	3.6.3. Metrics (i.e.: KPIs, KRIs) are defined and used to track program progress	3	
4.0 DATA GOVERNANCE	4.1. Data governance structure is created.	4.1.1. Data governance function is created	3
		4.1.2. The data governance plan is created	5
		4.1.3. Program Office (PMO) is established and staffed with required skill sets	4
		4.1.4. Enterprise governance structure is designed and implemented	6
	4.2. Content governance is defined	4.2.1. Authorized data domains have been identified and inventoried	3
		4.2.2. Critical data elements (CDEs) have been identified and inventoried	5
		4.2.3. Data domain taxonomies are actively implemented, maintained and enforced	3
		4.2.4. Unique and precise data identification schemes and methodologies have been defined, applied and are in use	3
		4.2.5. Data classifications are defined and assigned	4
	4.3. Policy and standards are written and approved	4.3.1. Policy and standards are written and complete	3
4.3.2. Policy and standards have been reviewed and approved by relevant program stakeholders		3	
4.3.3. Policy and standards have been reviewed and approved by senior executive governing bodies		2	
4.4. Program governance is operational	4.4.1. Funding model is operational	3	
	4.4.2. Program governance routines are established	3	
	4.4.3. Data requirements are captured and prioritized	4	
	4.4.4. Escalation procedures are developed and documented	3	
	4.5.1. Project review and approval processes are established	4	
4.5. Program governance controls are in place	4.5.2. Policy and standards are enforceable and auditable	2	
	4.5.3. Metrics are in place to track program adherence, progress and outcomes	4	

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	4.6. Technology governance is aligned	4.5.4. Formal training programs have been designed and implemented	2
		4.6.1. Platform governance is established	2
		4.6.2. Data storage governance is established	4
		4.6.3. Data distribution governance is established	3
	4.7. Cross-organizational enterprise data governance is aligned	4.6.4. Data tool governance is established	2
		4.7.1. Data governance is aligned with information security policy	2
		4.7.2. Data governance is aligned with privacy and cross-border policy	2
		4.7.3. Data governance is aligned with external data usage policy and standards	3
5.0 DATA ARCHITECTURE	5.1. Identify the data	4.7.4. Data governance is aligned with legal and compliance data policy	2
		5.1.1. Logical domains of data have been identified, documented and inventoried.	2
	5.2. Define the data	5.1.2. Underlying physical repositories of data have been identified, documented and inventoried	2
		5.2.1. Conceptual models are defined (ontologies)	2
		5.2.2. Logical models are developed (taxonomies)	2
		5.2.3. Attribute level "business" definitions are defined, documented and approved by relevant stakeholders	2
	5.3. Govern the data	5.2.4. Metadata is defined	3
		5.3.1. Data architecture governance procedures are established to ensure authorized as well as controlled use of data	2
6.0 TECHNOLOGY ARCHITECTURE	6.1. Technology architecture is defined and governed	5.3.2. Data architecture governance procedures are in place and aligned with business governance processes	1
		5.3.3. Data architecture governance procedures are in place and aligned with technology	2
		6.1.1. Technology architecture strategy is defined and agreed to by relevant stakeholders.	2
	6.2. Data technology tool stack is identified and governed	6.1.2. An actionable roadmap is developed and adopted for implementation of the technology architecture	3
		6.1.3. Technology governance structure and processes are in place.	3
		6.2.1. Data technology tool selection strategy is defined and verified by relevant stakeholders	2
	6.3. Data storage management strategy defined and governed	6.2.2. Technology tool roadmap is developed and implemented	2
		6.2.3. Tool selection governance structure and process is in place and operational	2
6.3.1. Data storage management strategy is defined and agreed to by relevant stakeholders		2	
6.4. Operational risk planning is in place	6.3.2. Data storage management roadmap is developed and implemented	2	
	6.3.3. Storage governance structure and processes are in place and operational	2	
	6.4.1. Data infrastructure contingency planning is defined and in place	2	
7.0 DATA QUALITY PROGRAM	7.1. Data quality program is established	6.4.2. Operational risk governance structure and processes are in place and operational	3
		7.1.1. The data quality strategy and approach is defined and socialized	4
		7.1.2. Accountable parties have been identified and roles and responsibilities have been assigned.	4
	7.2. Quality of existing stores of data are identified and assessed.	7.1.3. The data quality roles and responsibilities have been communicated.	4
		7.2.1. All relevant data have been identified and prioritized.	3
		7.2.2. Data is profiled, analyzed and graded	3
	7.3. Quality of new data is monitored, analyzed and reported	7.2.3. Data remediation has been planned, prioritized and actioned.	3
		7.3.1. Data quality 'control points' are in place along the full spectrum of the data supply chain.	2
7.3.2. Data quality metrics are captured, reported and used to drive data remediation.		3	
8.0 DATA CONTROL ENVIRONMENT	8.1. A data control environment is established and operational	7.3.3. Root-cause analysis is Identified and Remediated	2
		7.3.4. Data quality processes are auditable	5
		8.1.1. Data control environment structures are established	3
	8.2. A Data control environment supports the data management lifecycle	8.1.2. Data control environment procedures are operational	2
		8.1.3. A data control environment adheres to industry best practices	1
		8.2.1. A data control environment ensures awareness, understanding and control of the lifecycle of data throughout the organization	3
	8.3. Control environment ensures that the discipline of data management is operating collaboratively with cross-organizational Control Functions.	8.2.2. Critical end-to-end data flows and essential attributes for in-scope business processes are defined and mapped	2
		8.2.3. The compounding processes and calculations for derived and transformed data are identified, documented and mapped	2
8.3.1. Control function policies and standards are aligned with data management policies and standards		2	
		8.3.2. Regular routines are established with cross-organizational control teams.	1
		8.3.3. All data entered into the ecosystem of the control environment is subject to cross-organizational controls.	2