
Data Governance Framework For Company XYZ

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Summary of Critical Framework Components

Data Usability

Do our employees know what data we have and how to access it?

- Improve communication around data projects and environments

MetaData

Do our teams know why we collect the data we do, and where it comes from?

- Provide information on data lineage and metrics

Data Security

Who has access to what data, and why?

- Manage and monitor data access and compliance
- Assign responsibility for domains to data stewards

Data Quality and Integration

Are we making decisions based on reliable and consistent data? Do our data formats work together?

- Identify preferred data sources
- Ensure reference data is complete and accurate
- Establish common data definitions
- Provide information on data quality

Data Preservation

Are we saving data safely and efficiently?

- Establish data storage system
- Assess data usefulness

Benefits

Consistency



Accessibility



Accuracy



Affordability



Framework Implementation





Initiation and Organization

Initiation: start with a company audit of ground realities and from there create a custom solution to meet the needs of XYZ

Organization: Focussed on industry specific needs of NIST, HIPPA, GDPR and etc.

Business-centric Goals: to offer maximum value for each Dollar that XYZ invests in its cybersecurity. Address the basics first and then offer a-la-cart menu options so you do not need to spend more than you have to. We know spending more on cybersecurity does not magically translate to better cybersecurity

Timeframe: 1-3 months



Policies

Goals:

- Understand where data comes from and what it is used for
- Define data policies
- Data naming standards
- Establish business rules

Actions:

- Policy template
- Document storage
- Align policies together

Timeframe: 2-3 months



Procedures

Goals:

- Establish procedures based off of data policies
- Define roles and responsibilities of employees
- Outline how data will be managed to meet business needs

Actions:

- Work with employees so they understand their roles and responsibilities with specific data
- Establish a standard of work
- Align and approve on data workflows

Timeframe: 2-3 months



Standards and Definitions

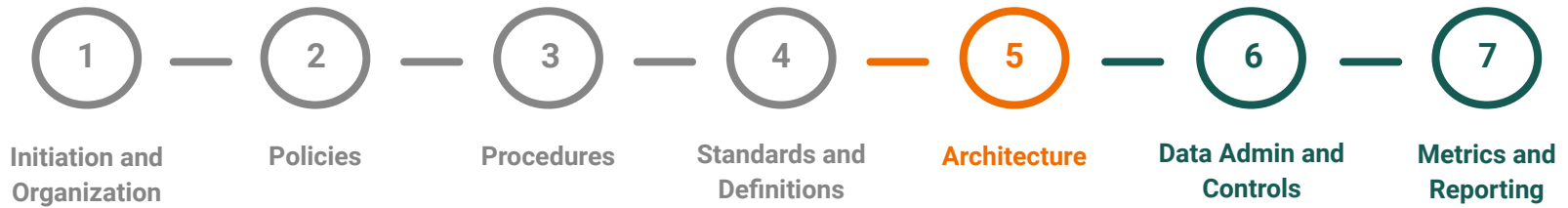
Goals:

- Develop data definitions and schemas
- Establish and outline business rules
- Align specific data with established business rules

Actions:

- Document data definitions and standards in an accessible place for employees
- Create glossary for business rules, metadata, data, data dictionary, and data schemas

Timeframe: 3-5 months



Architecture

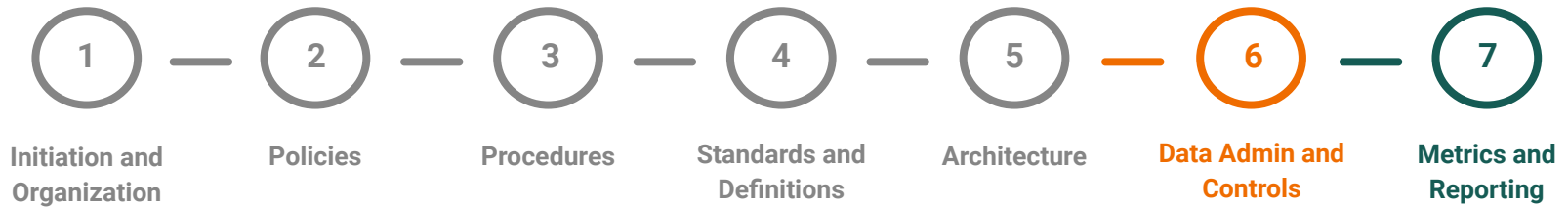
Goals:

- Assess data categories
- Define a data model that meets business needs
- Understand data pipelines and how they align with business procedures

Actions:

- Build data model with associated pipelines
- Create a system architecture diagram

Timeframe: 3-5 months



Data Admin and Controls

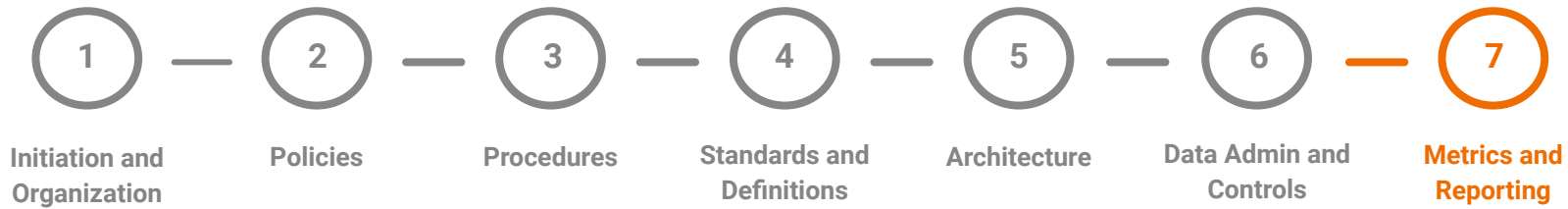
Goals:

- Understand the data risk for the entire lifecycle of the data and define a strategy to manage it
- Design and implement process controls where appropriate

Actions:

- Define a privacy and confidentiality strategy end-to-end

Timeframe: 3-5 months



Metrics and Reporting

Goals:

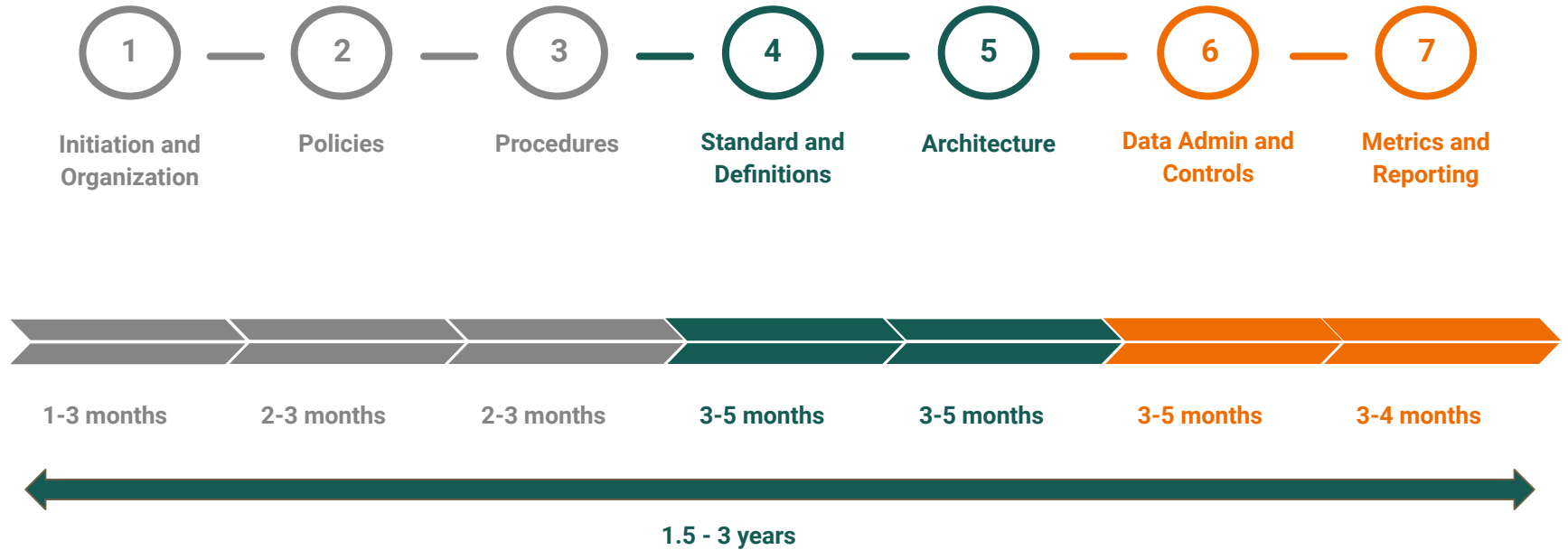
- Define top metrics that align with business needs
- Identify sustainable metric production methods
- Outline a clear process for acting on metrics

Actions:

- Work with business leadership to determine key objectives
- Data review with stakeholders to identify measurable objective metrics
- Identify desirable metric values
- Automate data collection and output to metric dashboard, establish regular review
- Collaborate with stakeholders to create actionable response plan for dashboard metrics

Time Frame: 3-4 months

Measure Progress



Success Metrics

Data governance is a journey, not a destination. To ensure its success, an organization needs a way to measure its progress and identify areas for improvement. There are five distinct categories that can be measured to determine Data Governance implementation:

- Improvement in Data Quality Scores
- Adherence to Data Management Standards and Processes
- Reduction in Risk Events
- Reduction in data rectification costs
- Reduction in regulatory non-compliance

Framework Benefits

Consistency

- A plan for data quality
- Defined methodologies and practices
- Consistent and flexible data views

Accessibility

- Discoverable and usable data assets
- Secure, compliant, access controls

Accuracy

- Business and decision-making entities aligned across the enterprise

Affordability

- Competitive pricing
- High value framework

Thank you

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