GEA Repository

DTA, 2024
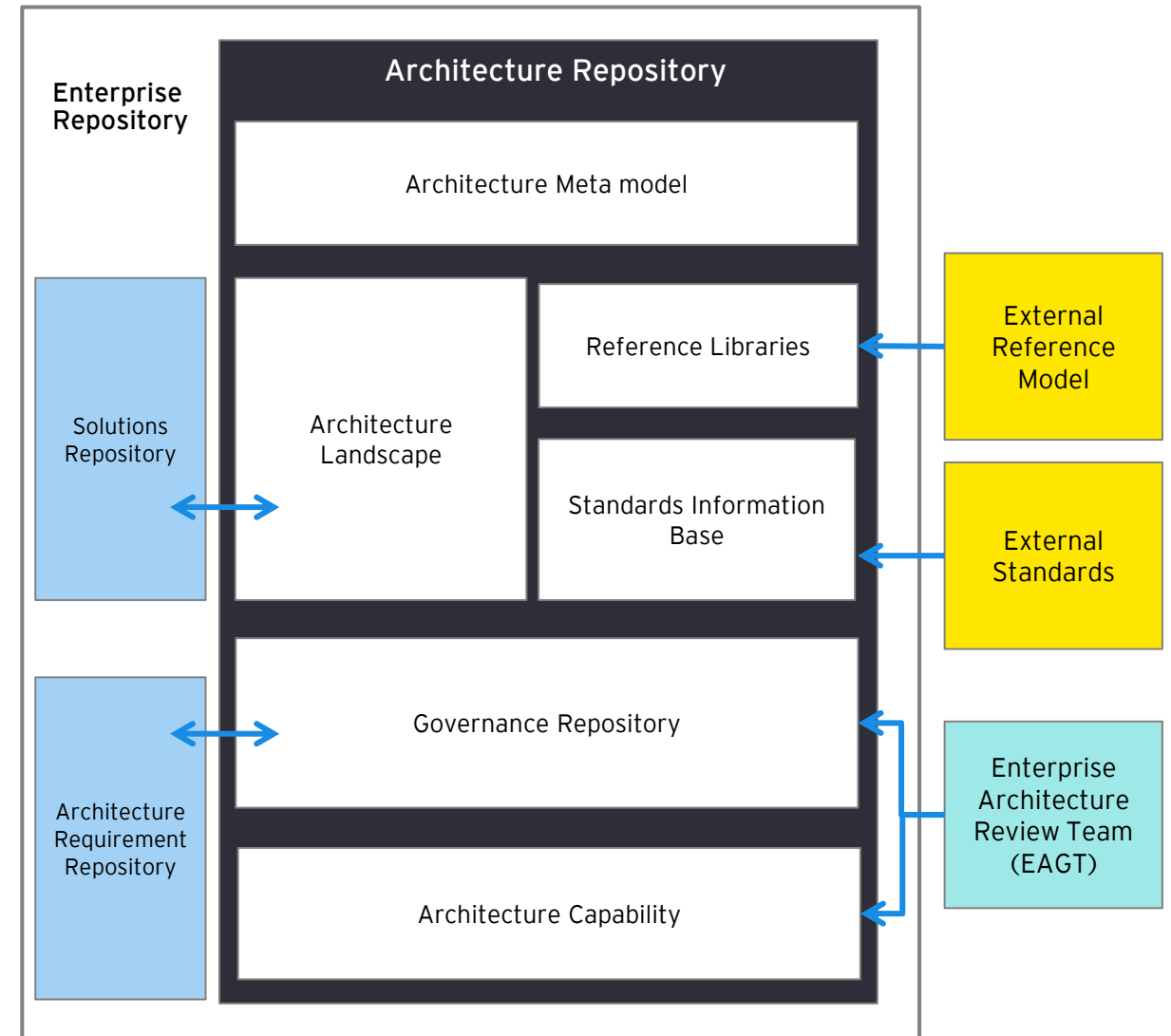
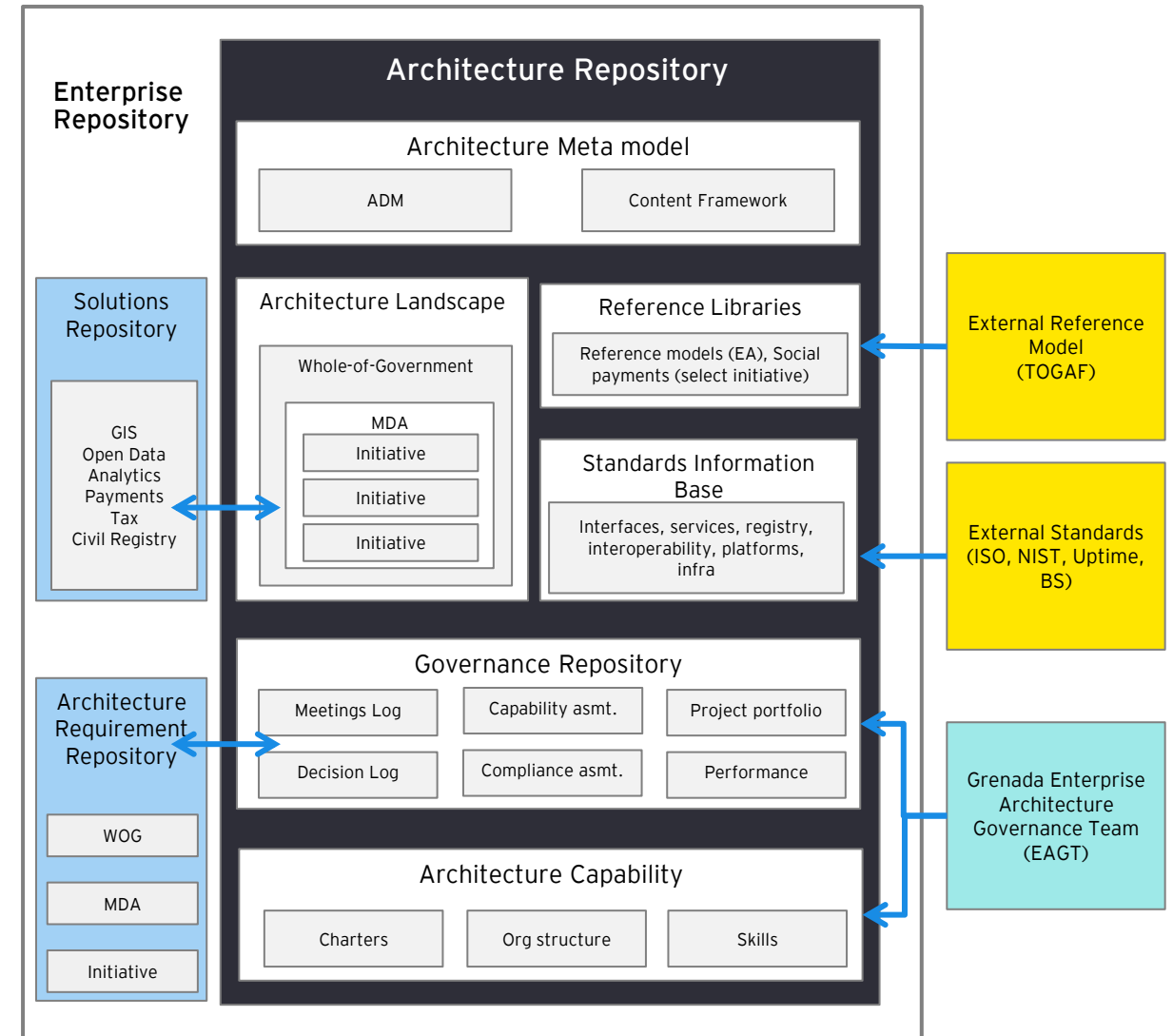| S. No.	Data Elements	Values
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12	Brief Description	This document provides an overview of GEA repository which will be used to store GEA and MDA specific architecture artifacts for ease of reference and standardisation across Grenada.
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EA Repository - Overview

The following diagram presents the TOGAF recommended architecture repository for organizations. The individual boxes have been mapped to Grenada specific EA ecosystem and available artefacts and systems.

1. Architecture Metamodel: The Architecture Metamodel outlines the government-specific adaptation of an architecture framework, incorporating methodologies for architecture development and a structured model for organizing architecture content.

2. Architecture Capability: The Architecture Capability defines the parameters, structures, and processes that enable effective governance of the Architecture Repository, ensuring alignment with government policies and operational objectives.

3. Architecture Landscape: The Architecture Landscape provides a visual representation of current and planned government assets, including systems, processes, and resources, at specific points in time.

4. Standards Library: The Standards Library captures the mandatory standards for new government architectures, encompassing industry standards, approved technologies and services, and shared resources already implemented within the public sector.

5. Reference Library: The Reference Library offers guidelines, templates, patterns, and other reference materials designed to expedite the development of new architectures for government initiatives.

6. Governance Repository: The Governance Repository maintains a comprehensive record of governance activities across government agencies to ensure compliance and accountability in architecture implementation.

7. Architecture Requirements Repository: The Architecture Requirements Repository provides a consolidated view of all authorized architecture requirements that have been formally approved by the Architecture Governance Team, ensuring alignment with government priorities.

8. Solutions Landscape: The Solutions Landscape presents an architectural representation of the Solution Building Blocks (SBBs) that support the Architecture Landscape and have been planned or deployed across government entities.

EA Repository implementation

1. It is necessary for the EA repository to be extended beyond a theoretical framework to a real-world instance. There are multiple EA tools that presents the capability for architecture design as well as repository.

2. For the initial adoption phase, considering the lack of EA resources within GoG, it is suggested to use an existing content management system / file system to establish the EA repository. This may be extended to a software version control system for the solutions repository.

3. It is important to note that the EA repository and the underlying architecture and solution artefacts should be mandated for all internal and vendor driven architecture and systems contracts. This implies that all vendors and partners are required to abide by specific requirements of producing architecture documents and checking in solutions in approved government repository.

4. The EA governance and key discussions are also required to be logged into the common repository to develop a trail of actions and evolution of Grenada EA over time.

5. The architecture landscape has been adapted to government context. A high-level whole-of-government landscape will be a strategic layer which will give way to detailed segment architecture for individual MDAs with portfolio of IT initiatives.

6. Linkages to external standards like ISO, NIST, BS and Uptime will be proposed to integrate within the existing standards information base. The standards will be adopted across the architectural domains.

7. The DTA – EA services team will be responsible for managing the enterprise repository and provide access as required to MDAs, partners and vendors.

8. GoG may consider leveraging existing file system like Microsoft SharePoint portal for implementing version 1 of Grenada EA repository.

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