Grenada Enterprise Architecture
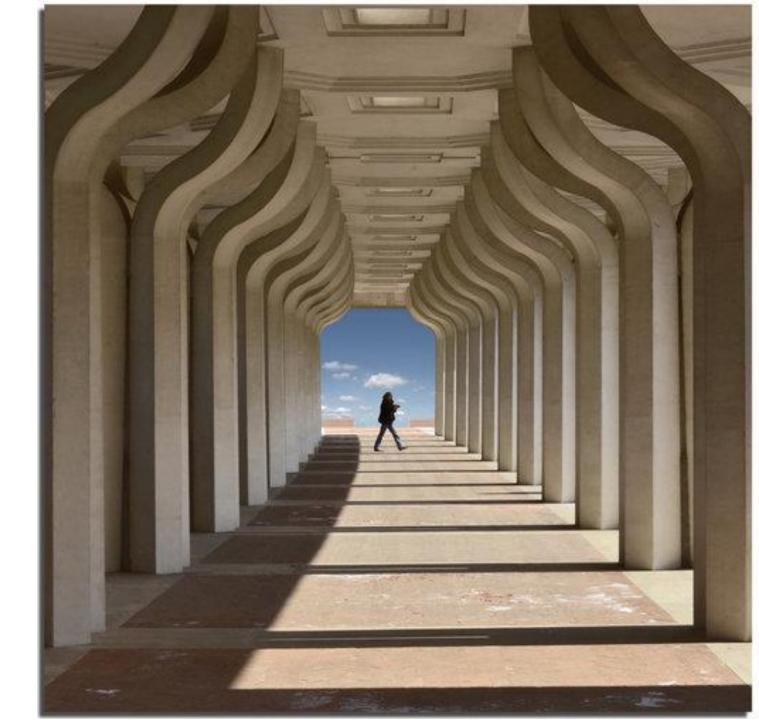
DTA, 2024

S. No.	Data Elements	Values
1	Title	Grenada Enterprise Architecture Overview
2	Title Alternative	GEA -OV
3	Document Identifier	GEA.OV.001
4	Document Version, Month, Year of Release	Version 0.1, December 2024
5	Present Status	Draft
6	Publisher	Department of ICT, Government of Grenada
7	Date of Publishing	To be updated
8	Type of Standard Document	Catalog
9	Enforcement Category	Recommended
10	Creator	DTA, Government of Grenada
11	Contributor	Names of participating MDAs and industry body
12	Brief Description	This document provides an overview of GEA
13	Target Audience	General
14	Owner of Approved Standard	Office of Prime Minister
15	Subject	Enterprise Architecture
16	Subject Category	Institutional Mechanism
17	Coverage: Spatial	Grenada
18	Format	PDF (PDF/A at the time of release of the final standard)
19	Language	English
20	Copyrights	Government of Grenada

Grenada's EA Vision

The vision statement has been aligned to the Grenada's Digital Vision and based on the background research for the EA programs initiated across USA, UK, Australia, Saudi Arabia and India.

"

To enable a citizen-centered, resilient and efficient society where government, technology, and innovation work together seamlessly to empower individuals, enhance public services, and drive equitable growth.

Grenada's EA Mission

The mission statement has been built on the vision statement expanding the strategic focus areas that are priority for Grenada.

"

To establish a unified enterprise architecture framework that:

- Facilitates cross-sector collaboration and interoperability between government agencies.

- Enables the delivery of integrated, efficient, and transparent services to citizens and businesses.

- Promotes the use of cutting-edge technology to drive innovation, reduce redundancy, and enhance decision-making.

- Aligns national policies, business processes, and digital transformation initiatives to achieve a society that is inclusive, resilient, and sustainable.

Strategic focus areas for development of EA capability to drive the digital agenda for GoG

Grenada's EA will be aligned to the Digital agenda and will focus on specific interventions that can bring a significant change in the digital transformation of the nation. The themes will be linked to the digital objectives of the nation. It aims to further the efforts of GoG by developing, promoting sustainable architecture development methods within GoG.

Focus areas

1. Digital roadmap
2. Portfolio
3. Initiatives
4. Change
5. Governance

Build our People

Support DTA and MDAs to adopt a comprehensive digital transformation methodology which will leverage common / shared / reusable assets

Integrate local industry capacity development through partnerships and linkages

Simplify Life

Focus on transformation instead of digitization

Guide MDAs towards simplification of service delivery

Promote ease of access to government services

Boost reliance and sustainability

Allow technology to be leveraged for the common welfare of society

Focus on sustainability of digital initiatives

Build secured infrastructure which supports the development of innovative solutions

EA purpose for driving the development of EA capability within GoG

The following five areas are the key focus areas proposed for Grenada's EA initiative. These areas are initial and may evolve over time based on the understanding and emerging needs assessed by the Enterprise Architecture Governance Team under the DTA. These focus areas are purpose built to drive the EA agenda across the digital transformation agenda for GoG.

Focus areas

1 — **Digital roadmap**

EA will support in providing the tools and methods for developing three-year roadmap across whole-of-government (WOG) and for specific government entities (MDAs or individual, autonomous entities). A blueprint allows an organization to plan specific priority areas and capabilities that are expected to be achieved in a limited time duration with defined budgets and scope.

2 — **Portfolio**

EA will be critical for managing the MDA specific portfolio of multiple initiatives forming a part of a larger digital transformation agenda. This allows for optimizing costs of government, leveraging existing assets, sharing of common resources across the initiatives.

3 — **Initiatives**

Individual initiatives also should be leveraging EA across the design to implementation phase to identify the compliance and sharing of government resources where applicable. It also supports individual entities to ensure adequate local capacity development and avoid vendor lock-in through localization requirements.

4 — **Change**

One of the primary reasons for failure of digital initiatives is the lack of adequate planning for change. EA through the transition architectures promotes the breakup of large digital initiatives into smaller work packages which can provide adequate time for government to lead change management programs. While EA directly is not focusing on change management, it works with change management frameworks adopted by GoG to lead successful digital transformation programs.

5 — **Governance**

EA will propose organizational structures and mechanisms to manage digital initiatives across GoG which allows the right reporting and management of transformation programs for government (senior leadership and individual MDAs / organizations).

EA goals to be aligned to realize the digital transformation agenda for GoG

The proposed Grenada's EA goals are based on the priority established under the digital agenda by GoG. The goals will support in driving the EA development in subsequent sections.

1. **Strategic Alignment:** Align IT systems and infrastructure with overarching digital strategies and objectives to maximize value delivery.

2. **Cost Optimization**: Drive cost-effectiveness by optimizing architectural frameworks and identifying opportunities for financial efficiency.

3. **Service delivery:** Streamline processes and elevate system performance to support mission-critical operations.

4. **Innovation:** Accelerate the integration of emerging technologies to meet evolving organizational and societal needs.

5. **Data Governance:** Implement standardized data management practices and governance frameworks to ensure consistency, accuracy, and security.

The EA goals will be built into the architecture domains and architecture development methods to drive the EA agenda across all digital transformation initiatives.

Why have these goals been recommended for Grenada EA?

a) Organizations are required to establish their own digital agenda. Digitization requires to be driven by purpose (like simplification, operational efficiency, faster service delivery, investments, capacity development). It is important the organizations are clear on the alignment between the digital platforms being build and the organization

b) With multiple digital initiatives, organizations like DTA are required to support MoMIT to ensure sharing of assets across organizations leads to cost optimisations.

c) Grenada has limited digital services existing as on date. It is important to focus on the design of digital systems from legacy processes and eliminating redundant steps to simplify process for business and citizens.

d) With emerging technologies like Generative AI changing digital landscapes, it is critical for Grenada to selectively adopt the technology and identify appropriate use cases which deliver value

e) Data will be required to be treated as an asset. The future will be dependent on the availability of quality data.

The DTA will be responsible for driving the EA goals and ensuring the strategic decisions and trade-offs taken during architectural review sessions adhere to the primary objectives for EA.

Measures to monitor success of architectural program

Architecture programs are required to be monitored to quantifiable parameters. These parameters are often indirect outcomes linked to the quality of the underlying systems architecture.

1. Architectural compliance

2. User satisfaction index

3. Cost reduction

4. Change management effectiveness

5. Service performance

    a) time to go-live

    b) availability

    c) issues / bugs / defects identified (post go-live)

    d) processing time

    e) response time

How are the following measures built into the EA framework?

The measures will be applied to all new and existing digital initiatives within the Government of Grenada (GoG) to assess the maturity levels of the program. This will support the MDAs by providing a list of evolving questions to identify potential areas for improvement in overall planning. These measures may also be linked to budgetary and funding requirements within the government's funding and project approval process to promote the adoption of good practices within GoG. Therefore, the key sponsorship for this program could be shared between the Ministry of Finance (MoF) and the Ministry of Modernization, Information, and Technology (MOIT). The DTA is proposed to be the steward responsible for managing and collecting data on these measures through a national dashboard for digital transformation initiatives, providing real-time reporting on all national initiatives.

A brief description of the measures are as follows:

1) **Architectural compliance:** Percentage of projects adhering to level 2 of eGovernment maturity model

2) **User satisfaction index:** Rating of users onboarded on new digital platforms (to be based on AI-enabled customer satisfaction rating model)

3) **Cost reduction:** Cost optimization achieved through the EA guidelines and DTA interventions and leveraging shared / reusable / common services

4) **Change management effectiveness:** Count of successfully implemented digital transformation initiatives in GoG

5) **Service performance:** this is the set of mandatory service monitoring parameters that will be used to measure and assess the effectiveness of services (time to develop, uptime / downtime, system issues, reduction of an application / transaction processing time, reduction of overall response time)

Grenada Enterprise Architecture

DTA, 2024

Government of Grenada