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# ***1 Government Enterprise Architecture (1GovEA) Architecture Roadmap***

<Month, Year>

***Project: <Project Name>***

***Agency: <Agency Name>***

***Reference Code: S3-R009***

# Document History

## Document Information

This section provides a summary of information for this document.

<b>Project Name:</b>	<Project Name>		
<b>Prepared By:</b>		<b>Document Version No:</b>	
<b>Title:</b>	Architecture Roadmap	<b>Document Version Date:</b>	
<b>Reviewed By:</b>		<b>Review Date:</b>	

## Distribution List

This section provides a list of recipients of this document and individual key actions to be taken subsequently.

To	Action*	Phone/Fax/Email	Designation

## Document Version History

This section provides a formal log of changes/revisions to any document that has been approved by the Agency Office of the Architect. The following guidelines should be employed when recording the document versions:

- a) Draft documents are to be labelled as version 0;
- b) First draft document to be shared with the project team is to be labelled as version 0.9;
- c) Final version of the document approved by the Central Office of the Architect will be labelled as version 1.0; and
- d) Any subsequent revised versions of the document that has been approved by the Central Office of the Architect will be labelled as version 1.x.

Version Number	Version Date	Revised By	Description	Filename

## Document Sign Off

This section lists the key representatives responsible for acknowledging and approving all information detailed in this document.

Name	Role/ Title	Date	Signature

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# **1. Project Overview**

## **1.1. Agency Overview**

*This section provides a summary of the public sector agency, that is, what the agency does, its vision and objectives and a high-level overview of its operations. This provides readers with a basic understanding of the operations of the public sector agency.*

## **1.2. Project Outline**

*This section provides an executive summary of the public sector agency's architecture initiative. It paints a high-level picture of the project for readers of this document to gain a basic understanding of the architecture work to be carried out.*

## **1.3. Project Objectives**

*This section details the objectives of executing the architecture initiative.*

## **1.4. Scope of Project**

*This section defines the areas of which the architecture project will encompass when it is executed.*

## **2. Purpose of the Document**

*The Architecture Roadmap documents the individual incremental changes when progressing from the Current Architecture to the Target Architecture. It describes a portfolio of work packages (i.e. set of actions/ tasks/ projects) involved in the transition as well as the objectives, impacts and dependencies of each work package. These individual projects/ initiatives are then organised on a timeline to show progression towards the wider, programme/ project plan.*

*The Architecture Roadmap forms a key component of Transition Architectures and is incrementally developed throughout the EA development cycle.*

*The purpose of this section is to describe the context around this Architecture Roadmap document. It needs to give an indication of whether this document is the sole architecture roadmap document for an architecture domain (i.e. describes a portfolio of projects), or one of a set (i.e. describes a), and if so, how it fits into the overall set of documents.*

*This deliverable template is designed to guide the architects on the general format and content required within the deliverable produced while executing the 1GovEA Methodology. It is intended that the agency architects should tailor the template accordingly based on the nature of the architecture work being performed and / or the agency environment. Any italicised text within this deliverable template is intended to guide authors on the content that should be developed in the respective sections.*

## 3. Architecture Roadmap

*This section describes the work packages that are needed to realise the Target Architecture. Depending on the scope of the document, it may describe the projects/ initiatives to realise the Target Architecture for a particular domain (i.e. Business, Data, Application or Technology) or the overall Enterprise Architecture.*

### 3.1. Projects Overview

*This section provides an overview of key projects (i.e. projects that will bring on significant architecture change) that will be implemented to realise the Target Architecture. It describes the scope and estimated cost for each project as well as any dependency between the projects.*

**Table 1: Projects Overview**

Project Name	Description	Dependency between projects	Cost Estimation (RM)



### 3.2. Project Objectives

This section defines the key results that each project aspires to achieve upon completion.

**Table 2: Projects Objectives**

Project Name	Project Objectives

### 3.3. Project Benefits

This section describes the value each project will bring to the agency. These benefits should be mapped to the agency requirements as defined in the Architecture Vision document to ensure that the baseline requirements and initial motivation for the building the Target Architecture is achieved.

**Table 3: Projects Benefits**

Project Name	Project Benefits	Mapped to Requirements (ID)

### 3.4. Prioritised List of Impacted Projects

This section defines a sequence for implementing the list of projects identified in Section 2.1. It lists which projects should be implemented first and the respective implications they may cause towards successfully realising the Target Architecture. The sequence is developed based on a Priority Ranking assigned to each individual project.

Priority Rankings are assigned based on a set of defined criteria (e.g. project benefits or number of requirements the project satisfies) that are individually weighted. The “points” for each criteria in a project is then accumulated and compared with each other, whereby projects with a higher collective total are ranked higher, and thus should be prioritised.

The method used to assign ranks to each project should be clearly explained in this section.

**Table 4: Prioritised List of Projects**

<b>Project Name</b>	<b>Priority Ranking (1 - critical to n* - low priority)</b>  <i>*depending on total number of projects</i>	<b>Implications/ Rationale</b>

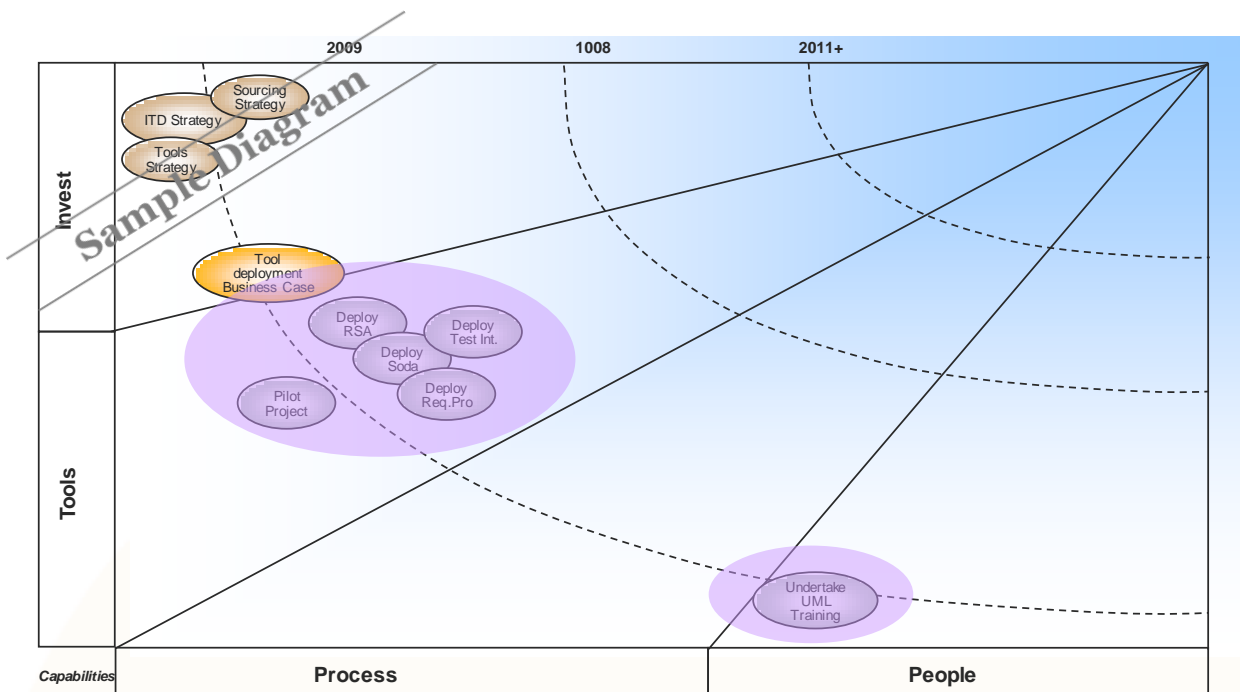
## 4. Migration Plan

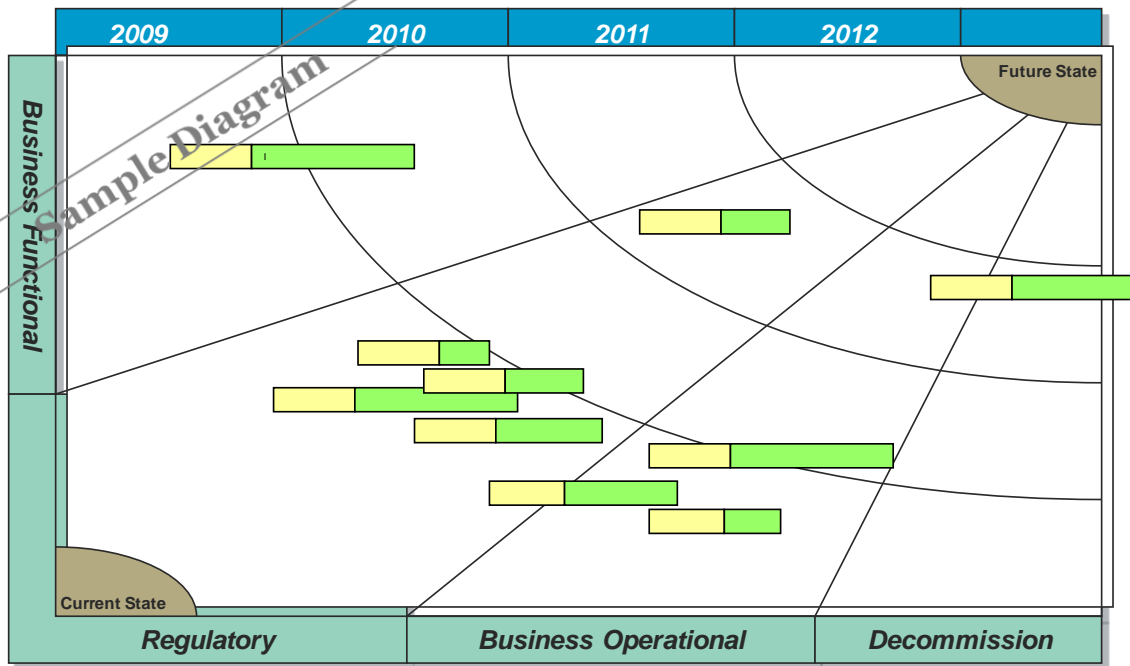
### 4.1. Migration Views

This section provides one or more views for the Architecture Roadmap. Projects are categorised on the roadmap according to their characteristics (e.g. primary business objective, technology type, IT ownership, or business outcome) and mapped onto an estimated time frame (e.g. months or years)

### 4.2. Migration Approaches

This section provides one or more ways/ approaches for the agency to migrate towards the target architecture. These options may be developed based on the project categories that have been defined in Section 4.1. They can be represented in pictorial (i.e. diagrams), project plan (e.g. Gantt chart) or textual plans whereby key concepts and notations used within the diagrams are clearly explained for user understanding.





### 4.3. Estimated Migration Costs

This section defines the estimated cost for moving from the Current to Target Architecture based on the projects identified in the roadmap.

## **5. Transition Architectures**

*Transition Architectures are interim architectures that are implemented prior to the Target Architecture to support an effective realisation of the Target Architecture.*

*This section provides an overview of any Transition Architecture(s) for the scope of the engagement that will be developed when progressing from the Current Architecture to Target Architecture. It should include a high level diagram of the architecture(s) and a brief description for each of diagram.*

## 6. Implementation Recommendations

*This section identifies critical measures, issues and potential risks that may impact the quality or delivery of these projects. This is to ensure that each of the projects, and essentially the Target Architecture, can be successfully implemented.*

### 6.1. Project Effectiveness Criteria

*This section determines the key criteria to measure effectiveness of the respective projects. The measures will be used to monitor and evaluate the architectural initiatives to ensure that the objectives, budget and time constraints are on track. This will be carried out throughout and at the end of the projects. Note that each criteria/ key measure should have a succinct explanation on how it will be measured..*

**Table 5: Critical Measures of Effectiveness of Projects**

Project	Key Measure(s)	Measurement Methods
<i>e.g. Build Business Architecture</i>		

### 6.2. Risks and Issues

*This section identifies any issues and potential risks that may hinder the progress and quality of each of the projects. Identifying these elements beforehand will enable the project team to manage and take mitigating measures accordingly.*

### 6.2.1. Risks Overview

This section provides an overview of the risks that may impact the delivery and quality of each project. It should describe the risk and the impact it may cause on the project.

**Table 6: Project Risks**

Risk	Description	Risk Impact	Mitigation Measures

### 6.2.2. Risks Priorities

This section provides a view of which risks should be prioritised based on their likelihood of occurrence and impact on the project. A Probability: Impact Matrix can be used to represent the result of this analysis as illustrated below.

Development of the matrix is dependent on the scope of this document (i.e. describing a portfolio of projects or initiatives/ work packages under one project). For an Architecture Roadmap that documents the initiatives under one project, the Probability: Impact matrix may contain an additional axis to differentiate between the risks in each initiative that forms the project.

LEVEL OF LIKELIHOOD	LEVEL OF IMPACT				
	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC
ALMOST CERTAIN	Significant	Significant	High	High	Extreme
LIKELY	Moderate	Significant	Significant	High	High
POSSIBLE	Low	Moderate	Significant	High	High
UNLIKELY	Low	Low	Moderate	Significant	High
RARE	Low	Low	Moderate	Significant	Significant

**Figure 1: Possibility-Impact Matrix**

### 6.2.3. Issues

*This section provides an overview of the issues that have caused an impact the delivery and quality of each project. It should describe the issue and impact it may cause on the project.*

**Table 7: Project Issues**

Project	Issue	Impact	Workstream Affected



### **6.3. Solution Building Blocks**

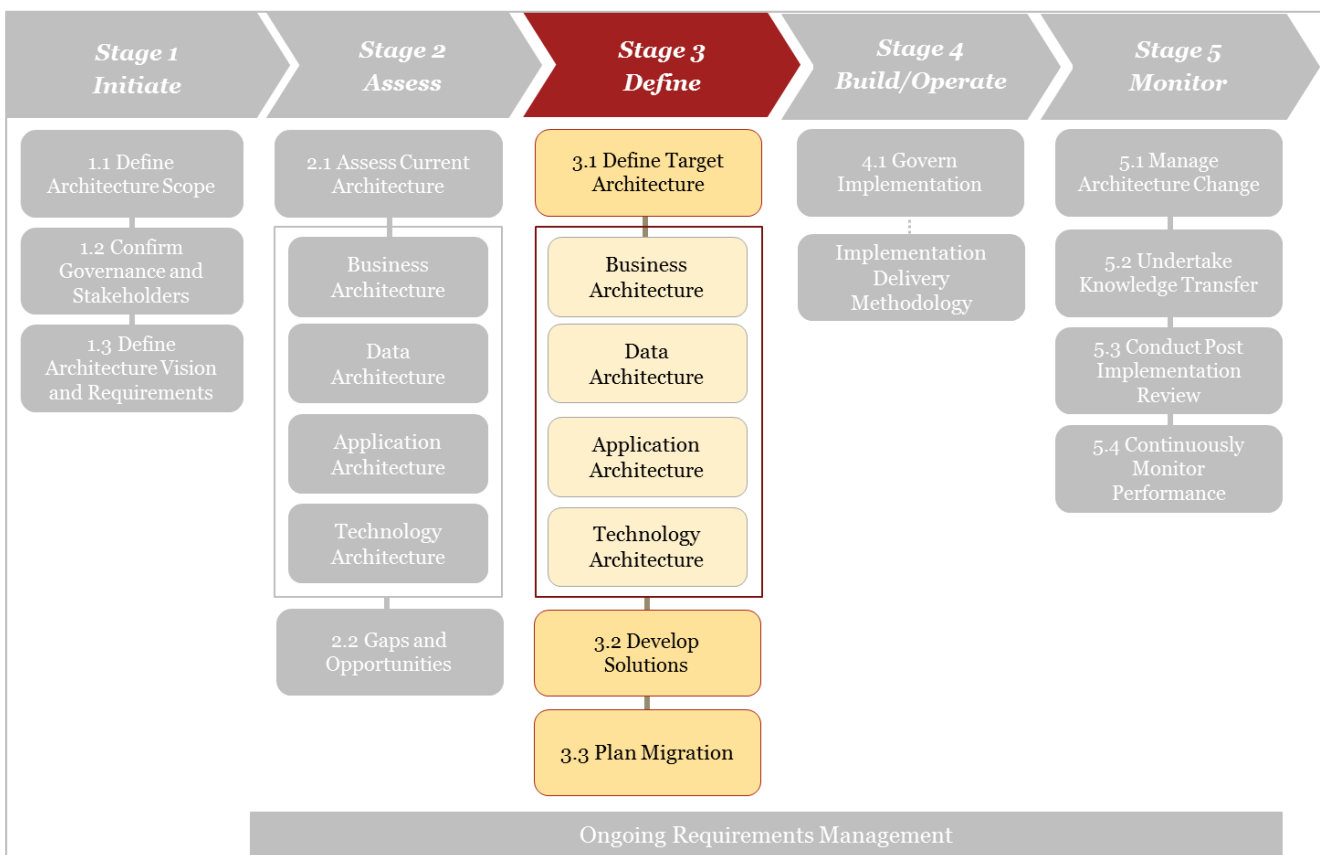
*This section describes the solution building blocks (SBB) that are produced from each of the projects and maps them to the Architecture Building Blocks (ABB).*

*SBBs are defined by implementation-specific criteria (e.g. product and component) which will form part of the components needed to realise the target architecture.*

## 7. Next Steps

### 7.1. 1GovEA Methodology Cycle

This document is intended as an output of Stage 3: Define of the 1GovEA Methodology, illustrated in Figure 2 below. This document contains relevant information that will be utilised in the production of the Stage 4: Build / Operate output deliverables.



**Figure 2: 1GovEA Methodology**

### 7.2. Next Steps

Upon the completion of this document, the following steps are the subsequent activities that need to be taken in order to realise the architecture work that has been defined here:

- a) Develop the Implementation and Migration Plan document;
- b) Obtain approve from the agency Office of the Architect to proceed to Stage 4 (Build/Operate) to start implementing the target architecture.