# 1.0   INTRODUCTION

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1.1 PURPOSE

The purpose of the State of Hawai`i's Enterprise Architecture (EA) document is to describe the To Be or future state EA that will be guide information technology (IT) architectural decisions within the State from this point, and provide a strategic roadmap (Transition and Sequencing [T&S] Plan) to close the gaps between the As Is or current state and the To Be vision. This document is an appendix to the *Business Transformation and Information Technology (IT)/Information Resource Management (IRM) Strategic Plan.*

1.2 SCOPE

The EA for the State of Hawai`i includes a description of the current or As Is state as well as the future or To Be state for each EA element or layer (business architecture, information architecture, solutions architecture, and technology architecture). In addition, a transition and sequencing (T&S) plan has been developed and is included for each layer of the EA and the State's lines of business (LOB). The T&S Plan provides details relative to the:

1. ongoing and planned investments and projects that will address the transition between the As Is and To Be states; and,

2. strategic order or sequence of the defined investments or projects to achieve or move the State of Hawai`i closer to the future state vision over the next ten years.
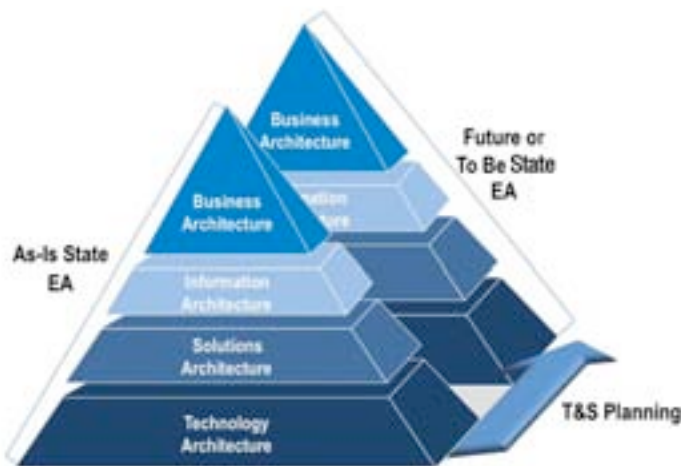
1.3 DOCUMENT OVERVIEW

The EA for the State of Hawai`i is a comprehensive description of the enterprise or all IT components of the State (each Department or more specifically each LOB) and the relationships of these components with one another (e.g., services delivered internally and services delivered to residents) as well as the relationships with external entities (e.g., the city and county governments, other offices and entities, business partners, and the Federal government). This description includes the goals for the enterprise, business processes, roles, organizational elements or business alignment, business information, solutions or software applications and computer systems, and the IT infrastructure that supports the environment.

Each of these components is defined in terms of the As Is and To Be state. Taxonomies, diagrams, documents, and models are included to describe the components and their logical organization of business functions, business capabilities, business processes, people organization, information resources, business systems, software applications, computing capabilities, and the information exchange and communications infrastructure within the enterprise. These are presented in an ever increasing level of detail in an effort to improve the effectiveness and efficiency of the State through:

• an improved organizational structure for service delivery,

• the integration/centralization or distribution of business processes,

• the quality, availability, and timeliness of business information, and

• ensuring that IT investments are aligned and justified.

This document also describes the gap closure activities or transition projects, through a T&S Plan, that are required to move the current or As Is state of the EA (and its four layers) to the To Be or future state EA. Further, these gap closure activities are sequenced in terms of timing and dependencies.

The creation of the EA has been facilitated by engaging stakeholders (i.e., Departmental CIOs, IT managers, business entities within Hawai`i, citizens, residents, business partners, other governmental entities) in the development and review of each component. This engagement has validated the As Is state and ensured the To Be vision is aligned with and responsive to the needs of the enterprise or State going forward.

The EA is a living document that will be maintained and updated at least annually and more frequently (depicted in Figure 2), as required. The intended audience for this document is any individual involved in decision making about IT within the State including the Chief Information Officer (CIO), Office of Information Management and Technology (OIMT), Department leadership and IT management, Executive Leadership Council (ELC), and CIO Council (CIOC) and IT Steering Committee.

This document along with the EA Methodology is appendices to the Business Transformation and Information Technology (IT) Information Resource Management (IRM) Strategic Plan.
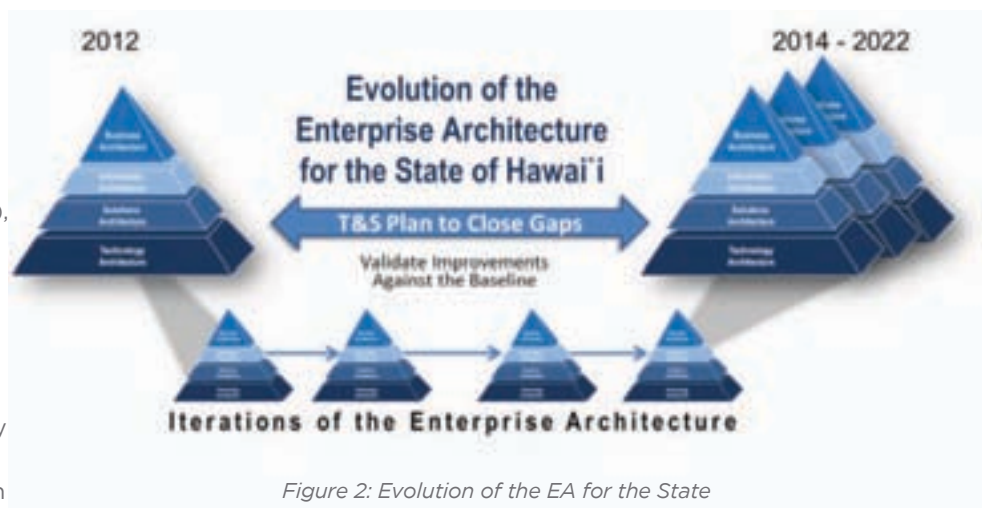

Figure 2: Evolution of the EA for the State

[2] *Line of Business (LOB) is an approach for defining the activities performed and services provided within the enterprise. The LOBs are subdivided into Enterprise Mission Support Services that are citizen-facing services and Enterprise Common Support Service Areas that are provided internally to support the mission service delivery areas. The LOB is a critical entity for organizing business operations of the State from a functional perspective independent of the Departments, attached agencies, or programs that perform them in order to promote collaboration across the Departments to bring cross-cutting transformation. The LOBs are used in organizing all stewardship/leadership responsibilities for business service/process performance, information quality and availability, and information system functionality, usability, and integration.*

1.4   ASSOCIATED DOCUMENTS

The associated documents listed below are those documents referenced by or related to this document. This includes guidance from State entities as well as reference documents from the Federal and other State governments.

• State of Hawai`i, Business Transformation Strategy and IT/IRM Strategic Plan, 2012 (referred to hereafter as the "Strategic Plan")

• State of Hawai`i, Governance Methodology and Organizational Charters, 2012

• State of Hawai`i, Portfolio Management (PfM) Methodology, 2012

• State of Hawai`i, Enterprise Architecture (EA) Methodology, 2012

• OIMT, Project Management Methodology, 2012

• Baseline of Information Management and Technology and Comprehensive View of State Services (known hereafter as the "Final Report") prepared by SAIC

• Federal Segment Architecture Methodology (FSAM)

• Federal Enterprise Architecture (FEA), Business Reference Model (BRM)

• State of Hawai`i, Business Process Reengineering (BPR) Methodology, 2012

• OIMT, Project Management Methodology, 2012

• State of Hawai`i , Administrative Directive Number 11-02, 2011

• DOH Business Services and Data Systems Service Oriented Architecture (SOA) Diagrams and the Public Health Domain Matrix for IT Systems and Initiatives

• World Wide Web Consortium, http://www.w3.org/2001/sw/