

Report Title: IT Strategic Plan Summary

Agency: 403 Department of Game and Inland Fisheries

Date: 4/18/2017

Current Operational IT Investments

In this section, describe the high-level strategy the agency will use to manage existing operational IT investments over the next year to 5 years. This section should align with identified Business Requirements for Existing Technology (BReTs). At minimum, please address the following questions in your description of your agency's strategy for managing existing operational IT investments:

Are there existing IT investments that will require additional funding over the next year to 5 years, such as license renewals, re-competition of current IT contracts, or system enhancements required by the Agency Strategic Plan?

If there are systems that will no longer support the agency's business needs, either through poor performance or excessive cost, how does IT leadership in the agency plan to address the issues?

If the agency does not have the staff or funding to meet increasing demand for IT services, how will IT leadership fulfill the requests?

The Department of Game and Inland Fisheries Information Management section (IMS) enables the agency's mission to lead wildlife conservation and to inspire people to value the outdoors and their role in nature through the cost effective and efficient use of technology.

DGIF's mission is statewide, with 5 regional offices and 9 hatcheries. DGIF also supports a significant mobile workforce, with over half of its 470 employees working remotely.

Factors Impacting the Current IT

In this section, the agency will describe the changes in their business environment that will require or mandate changes to the agency's current IT investments. These are requirements and mandates from external sources, such as other agencies or business partners, the agency's customer base, product and service providers, or new federal or state legislation or regulations. The agency must identify the business value of the change, any important deadlines that must be met, and the consequences if the deadlines are not met. In your discussion, be sure to note whether the proposed enhancements are funded or not. If the agency's existing current IT investments will not need enhancement due to requirements or mandates from external sources in the foreseeable future, the agency should enter the following text rather than leave the Factors Impacting the Current IT section blank

For each mandated change, summarize your agency's response from your Agency Strategic Plan, and is it the opinion of agency IT leadership that the IT portion of the response is adequately funded?

Do the mandated changes effect IT in other Commonwealth agencies, or in other states? If so, how?

DGIF is impacted by internal and external imperatives. Externally, the agency's major source of funding, license sales, reflects a shrinking number of recreational wildlife enthusiasts. In order to remain relevant, the agency must be more responsive to an increasingly tech savvy constituency while spending as few dollars as possible to provide services. Internally, the agency is required to comply with Commonwealth mandates for financial systems, current software and hardware platforms, and growing requirements for information security.

SECURITY SHARED SERVICES: DGIF has or will hire personnel (FTE) to perform security and audit functions. DGIF has or will hire a contractor or contract staff to perform security and audit functions if needed.

INTERNET UTILIZATION: DGIF personnel are increasingly mobile, which results in more internet utilization. DGIF intends to increase bandwidth to regional locations.

CLOUD APPLICATION HOSTING: DGIF will continue using existing contracts for offsite hosting and storage.

IT INFRASTRUCTURE TRANSITION: DGIF is reviewing its IT portfolio and will work with the partnership to transition.

Proposed IT Solutions

In this section, describe the high-level strategy the agency will use to initiate new IT investments over the next year to 5 years in support of the agency strategic objectives documented in your Agency Strategic Plan. The agency does not need to consider specific technologies at this time, however, the strategy should identify how the IT implementation will provide business value to the organization. This section should align with identified Business Requirements for New Technology (BRnTs). At minimum, please address the following questions in your description of your agency's strategy for initiating new IT investments:

What are the most important solutions, based on the priority assigned to the requirements by the business sponsors in your agency, and what is the approach to achieving these priority solutions?

If any new IT initiatives will be started in the upcoming budget biennium, is it the opinion of agency IT leadership that it is adequately funded?

Does the agency's current IT staff have the appropriate skill set needed to support future agency technologies? If not, what skill sets need to be acquired?

If the agency will be engaged in multiple new IT initiatives, how will agency IT staff and agency subject matter experts be used across the initiatives?

The agency's most important solutions will maintain the agency's revenue flow and increase operational efficiencies through lowered costs. The agency will evaluate proposed IT investments based on the applicability to strategic goals and return on investment. As DGIF is a specially funded agency, technology solutions must be aligned within the agency's ability to fund them.

DGIF will continue to leverage a self-funded model for online services. Contract resources will continue to be used for project driven initiatives.

Report Title: Strategic Plan

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4/18/2017

Current IT Services

Category	Costs Year 1		Costs Year 2	
	GF	NGF	GF	NGF
Projected Service Fees	\$0	\$2,682,275	\$0	\$2,671,116
VITA Infrastructure Changes	\$0	\$0	\$0	\$0
Estimated VITA Infrastructure	\$0	\$2,682,275	\$0	\$2,671,116
Specialized Infrastructure	\$0	\$0	\$0	\$0
Agency IT Staff	\$0	\$1,310,770	\$0	\$1,310,770
Non-agency IT Staff	\$0	\$0	\$0	\$0
Cloud Computing Service	\$0	\$0	\$0	\$0
Other Application Costs	\$0	\$342,435	\$0	\$342,435
Total	\$0	\$4,335,480	\$0	\$4,324,321

Proposed IT Investments

Category	Costs Year 1		Costs Year 2	
	GF	NGF	GF	NGF
Major IT Projects	\$0	\$5,695,160	\$0	\$0
Non-Major IT Projects	\$0	\$0	\$0	\$0
Agency-Level IT Projects	\$0	\$0	\$0	\$0
Major Stand Alone IT Procurements	\$0	\$0	\$0	\$0
Non-Major Stand Alone IT Procurements	\$0	\$0	\$0	\$0
Agency-Level Stand Alone IT Procurements	\$0	\$0	\$0	\$0
Procurement Adjustment for Staffing	\$0	\$0	\$0	\$0
Total	\$0	\$5,695,160	\$0	\$0

Projected Total IT Budget

Category	Costs Year 1		Costs Year 2		Total Costs
	GF	NGF	GF	NGF	
Current IT Services	\$0	\$4,335,480	\$0	\$4,324,321	\$8,659,802
Proposed IT Investments	\$0	\$5,695,160	\$0	\$0	\$5,695,160
Total	\$0	\$10,030,640	\$0	\$4,324,321	\$14,354,962

Report Title: Business Requirements For Technology**Agency:** Department of Game and Inland Fisheries (DGIF) **Date:** 4/18/2017**BReT eGov Licensing and Online Systems****BRT Type:** Business Requirement for Existing Technology**Date Submitted:** 9/22/2014**Mandate:** No**Mission Critical:** Yes**Description:**

Application upgrades and maintenance for agency licensing, permitting and registration systems.

BReT Information Security Program**BRT Type:** Business Requirement for Existing Technology**Date Submitted:** 9/22/2014**Mandate:****Mission Critical:****Description:**

Develop, implement and maintain agency information security programs to protect agency security assets and to comply with Commonwealth security requirements.

The information security program includes system and data classification, business impact analysis, risk assessments, and internal security and access controls.

BReT Infrastructure Upgrades and Maintenance**BRT Type:** Business Requirement for Existing Technology**Date Submitted:** 9/22/2014**Mandate:** No**Mission Critical:****Description:**

Applications, databases and server software will be compliant with the most current versions as allowed by the VITA Product Roadmap. Technology plans for the biennium include

Windows 7 to Windows 10
.NET Frameworks to 4.0 or higher

BReT Software and Licensing Renewals**BRT Type:** Business Requirement for Existing Technology**Date Submitted:** 9/22/2014**Mandate:** No**Mission Critical:**

Description:

Renew licenses and/or maintenance agreements for agency software. Current software includes

Computer Aided Dispatch and Reporting (TriTech)
 Geographical Mapping Tools (ESRI)
 Security Awareness Training (Awareity)
 End user applications (Adobe, Project, SAS, Visio)
 Developer tools (PowerBuilder, RedGate, Dell Server monitoring)

BRnT Cardinal Financial System Implementation

BRT Type: Business Requirement for New Technology

Date Submitted: 9/22/2014

Mandate: No

Mission Critical: Yes

Description:

Analysis, development and testing of potential application upgrades and interfaces between the agency internal financial systems and the new Commonwealth financial system. DGIF will transition to payroll services in April 2018.

DGIF IT Sourcing

BRT Type: Business Requirement for Existing Technology

Date Submitted: 9/1/2016

Mandate: Yes

Mission Critical:

Description:

The Commonwealth is transitioning to a multi-supplier model for IT Infrastructure. This BRT outlines the infrastructure an agency will need to plan and test in support of the transition. Cut and Paste the information below into the description field on the BReT form. Insert agency information into the ITALICS. Create just one BReT.

Messaging BReT:

VITA is initiating disentanglement from NG messaging services in 2016. Messaging Services for email, enterprise collaboration services, and mobile device management are required for 470 users in our agency. We also have several potential applications that have hooks into messaging services which will need to be tested. DGIF uses the base offering for Workplace Collaboration Services (VITA provided SharePoint). We have no applications serviced via AirWatch which will need remediation.

IBM Mainframe BReT:

VITA is initiating disentanglement from NG IBM Mainframe services in 2016. DGIF does not have any applications on the IBM which will need to be migrated and tested during this transition.

Server/storage (including housing of equipment) BReT:

VITA is initiating disentanglement from NG servers and storage. DGIF has 17 servers which will need to be migrated and tested during this transition. Approximately 30 applications will be affected by this move and will need to be tested.

Authentication/directory services BReT:

DGIF has several applications which will need to be migrated and tested during the authentication/directory services transition. Number of users (internal and external) are 470 internal and 50 named users external.

End user computing BReT:

DGIF has approximately 125 desktops, 300 laptops and 15 network printers which will need to be migrated.

Data networks BReT:

DGIF has 0 networks that are not mpls which will need to be migrated.

Voice Networks BReT:

DGIF has approximately 160 UCaaS phone lines and 350 other phone lines which will need to be migrated.

Cloud Computing BReT:

DGIF is investigating moving several applications to a Cloud services vendor. The business reason for the move is to reduce costs, increase efficiencies, and to more effectively allow access to data sources.

Applications under consideration are cloud ready. Agency may consult with outside vendors to assess what needs to be done to the applications and supporting infrastructure in order to become cloud ready.

Security Services BReT:

To meet Commonwealth Security requirements, DGIF will use existing staff, augmented with consulting staff if needed.

Internet Usage BReT:

DGIF projects that internet usage will increase exponentially if regional offices can receive cost effective internet access. Current MPLS bandwidth limitations and costs significantly impede internet access at regional offices.

Report Title: Appendix A 16 - 18 Report

Agency: Department of Game and Inland Fisheries (DGIF) **Date:** 4/18/2017

Agency Head Approval: No

There are no Category 1, 2, or 3 IT Projects and no Budget Category: Major IT Projects for this agency.

Report Title: Appendix A 16 - 18 Report

Agency: Department of Game and Inland Fisheries (DGIF) **Date:**

4/18/2017

Agency Head Approval:

No

There are no major procurements for this agency.