

Report Title: IT Strategic Plan Summary

Agency: 245 State Council of Higher Education for Virginia Date: 5/1/2017

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?

SCHEV's mission is to advocate and promote the development and operation of an educationally and economically sound, vigorous, progressive, and coordinated system of higher education in the Commonwealth of Virginia and to lead state-level strategic planning and policy development and implementation based on research and analysis. The Council shall also seek to facilitate collaboration among institutions of higher education that will enhance quality and create operational efficiencies and shall work with institutions of higher education and their boards on board development.

SCHEV has four primary applications that support its mission. The first consists of the public websites, specifically research.schev.edu which houses the most expansive collection of state higher education data in the nation. The second application is the data collection system that is used by Virginia's public and private, nonprofit colleges to provide student-level data to the agency, continuing a collection that began in 1992. The third application is the Private and Out-of-State Public Education (POPE) Certification (to operate in Virginia) web application to process institutional applications to operate and annually certify their ability to operate in the Commonwealth. The fourth application is web application supporting the GEAR-UP Scholarship program which manages the distribution of funds to a cohort of students identified as seventh graders in 2005. SCHEV has just recently been awarded a new GEARUP grant which will create new opportunities and data responsibilities.

By act of General Assembly in 2016, SCHEV now administers the Virginia Longitudinal Data System with eight current partner agencies and two more scheduled to join in FY2017.

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?

SCHEV has a gubernatorally-appointed board consisting of 13 members who provide guidance and oversight to the agency director and specify changes or additions in reporting and research. SCHEV also receives multiple legislative mandates in any given session of the General Assembly. As a national leader in higher education data policy and analysis, the agency also responds to changes in national policy discussions by creating reports and research that few other states can duplicate.

SCHEV is a founding partner in the Virginia Longitudinal Data System and thus has additional responsibilities for managing data and research across agency lines.

Finally, SCHEV is aggressive in responding to constituent needs to balance the ever-growing thirst for data and information against institutional burden in reporting to SCHEV and other agencies.

Please address the following:

IT INFRASTRUCTURE TRANSITION

We have the largest, most detailed higher education data resource in the world that is publicly available. It is a resource relied up on by the governor's office, money committees,, institutional leadership, and tens of thousands of citizen users., Stability is critical during the transition period. We have concerns about the Active Directory services as system-service AD accounts are critical for maintaining communications between services.

SECURITY SHARED SERVICES

SCHEV has engaged an MOA with VITA for shared security services.

CLOUD APPLICATION HOSTING

A number of services we need are not available through VITA's contracts or services and are only available as cloud services. The recent engagement of the DirectorsPoint contract for cloud-based management of board documents is an example of this.

INTERNET UTILIZATION

Bandwidth is probably not on issue. However, the bandwidth between the agency and whatever entity ends up hosting our servers and shared storage will be of concern.

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?

SCHEV's POPE section expects to move from their current agency-housed application to a cloud-based service in the FY17 or FY18. This will, at most, fall into the "non-major category" of IT investments.

SCHEV will maintain its current environment,. SCHEV has also taken over the Virginia Longitudinal Data System, this will affect our ongoing IT posture

No other initiatives are planned, unless funding is provided by the General Assembly or through grant-funded activities. Under possible consideration are:

1) FAFSA completion project to receive data from USED on high school students completing the Free

Application for Federal Student Assistance and inform high schools and LEAs of the rate of FAFSA completion on a periodic basis. This continues to be promised by the White House and pushed by Secretary Trent, but so far the US Education Department has not been able to resolve their internal issues over the project.

2) Stand-up of a separate domain controller. This is still under consideration, especially given the lack of vendor interest in supporting the COV Active Directory services platform. This will be used to enhance the management of our data warehousing and publication system and the management of VLDS.

Report Title: Strategic Plan

Agency:

State Council of Higher Education for Virginia

Date:

4/6/2017

Current IT Services

Category	Costs Year 1		Costs Year 2	
	GF	NGF	GF	NGF
Projected Service Fees	\$286,532	\$73,840	\$284,361	\$73,281
VITA Infrastructure Changes	\$120,000	\$0	\$120,000	\$0
Estimated VITA Infrastructure	\$406,532	\$73,840	\$404,361	\$73,281
Specialized Infrastructure	\$0	\$0	\$0	\$0
Agency IT Staff	\$185,000	\$0	\$185,000	\$0
Non-agency IT Staff	\$250,000	\$0	\$250,000	\$0
Cloud Computing Service	\$6,000	\$0	\$6,000	\$0
Other Application Costs	\$0	\$0	\$0	\$0
Total	\$847,532	\$73,840	\$845,361	\$73,281

Proposed IT Investments

Category	Costs Year 1		Costs Year 2	
	GF	NGF	GF	NGF
Major IT Projects	\$0	\$0	\$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	\$0	\$0	\$0

Projected Total IT Budget

Category	Costs Year 1		Costs Year 2		Total Costs
	GF	NGF	GF	NGF	
Current IT Services	\$847,532	\$73,840	\$845,361	\$73,281	\$1,840,016
Proposed IT Investments	\$0	\$0	\$0	\$0	\$0
Total	\$847,532	\$73,840	\$845,361	\$73,281	\$1,840,016

Report Title: Business Requirements For Technology**Agency:** State Council of Higher Education for Virginia
(SCHEV)**Date:** 4/6/2017**BReT - FAFSA Completion Project****BRT Type:** Business Requirement for Existing Technology**Date Submitted:****Mandate:** No**Mission Critical:****Description:**

A possible project to receive student data from the US Education Department on a weekly basis of students/families completing the Free Application for Federal Student Assistance and reporting that information back to high schools and LEAs to assist them in encouraging students to complete the FAFSA and apply to college.

BReT SCHEV COV IT Infrastructure Transition**BRT Type:** Business Requirement for Existing Technology**Date Submitted:** 9/23/2016**Mandate:** No**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 65 users in our agency. We also have 0 applications that have hooks into messaging services which will need to be tested. Workplace Collaboration Services (VITA provided SharePoint) SCHEV does not use WCS SharePoint. We have 0 applications serviced via AirWatch which will need remediation.

IBM Mainframe BReT:

VITA is initiating disentanglement from NG IBM Mainframe services in 2016. SCHEV has 0 number of 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. SCHEV has 9 number of servers which will need to be migrated and tested during this transition. 37 will be affected by this move and will need to be tested.

Authentication/directory services BReT:

SCHEV has 37 number of applications which will need to be migrated and tested during the authentication/directory services transition. Number of users (internal and external) are 250 internal and 10,000+ external.

End user computing BReT :

SCHEV has 53 number of desktops and 22 number of laptops and 7 network printers which will need to be migrated.

Data networks BReT :

SCHEV has/ 0 number of networks that are not mpls which will need to be migrated.

Voice Networks BReT:

SCHEV has 0 UCaaS phone lines and 65 other phone lines which will need to be migrated.

Cloud Computing BReT:

SCHEV is investigating moving 17 number of applications to a Cloud services vendor. The business reason for the move is to reduce costs; increase efficiencies; reduce IT agency footprint; etc.. Applications are cloud ready. Agency will not need to bring in outside consulting 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, SCHEV will engage VITA's Shared Security Services/procure outside security services from an outside vendor utilizing DPB funds >.

Internet Usage BReT:

SCHEV projects that internet usage will stay the same. Some examples of why internet usage might increase are as follows: an increase use of video streaming, an increase in user access to the internet, etc.

BReT Security Compliance

BRT Type: Business Requirement for Existing Technology

Date Submitted:

Mandate: Yes

Mission Critical:

Description:

Implementation Corrective Action Plan for security audit

BReT-MS Server 2003 Decommission

BRT Type: Business Requirement for Existing Technology

Date Submitted:

Mandate: No

Mission Critical:

Description:

replace services provided by Server 2003-based servers with shared services from the ITP

BRnT - Management Application for POPE Section

BRT Type: Business Requirement for New Technology

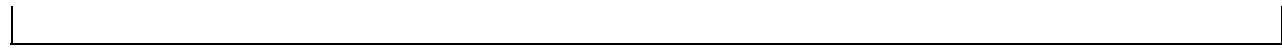
Date Submitted: 2/19/2015

Mandate: No

Mission Critical: Yes

Description:

The Private and Out-of-state Public Education (POPE) section is planning to replace its existing custom-coded ASP.NET application with a cloud-based service.



Report Title: Appendix A 16 - 18 Report

Agency: State Council of Higher Education for Virginia
(SCHEV)

Date: 4/6/2017

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: State Council of Higher Education for Virginia
(SCHEV)

Date: 4/6/2017

Agency Head Approval:

No

There are no major procurements for this agency.