Report Title: IT Strategic Plan Summary

Agency: 601 Department of Health

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 agencys 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 agencys 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 Virginia Department of Health is highly reliant upon technology and data to run its business. VDH's mission is to protect the health and promote the well being of all people in Virginia. Our vision is to become the healthiest state in the nation. In order to support its many programs aligned with this effort, VDH uses many applications and data sources to support and enhance its decision-making. These data and applications are used to help inform how VDH targets its programs for different populations. The Office of Information Management and Health Information Technology is responsible for administering these applications, supporting datasets, data stewardship, data governance, security, testing, quality assurance, technology procurements, etc. VDH currently supports many different types of data sets and technologies. This presents a challenge for the Agency since data is sometimes duplicative or stored in several places. VDH has implemented a formal Informatics program to provide governance around the data used and displayed at VDH. The focus is on collecting an inventory of the current data sets and ensuring that standards are placed around these data. The Agency has made an investment over the past few years in data warehouse infrastructure and in building out staffing and skillsets among our data warehouse staff. A Data Governance Program Manager is now in place as well who is responsible for putting together the policies and guidance for a formal data governance framework for VDH. Additionally, VDH has placed an emphasis on the following projects for the biennium: Division of Disease Prevention STDMIS Replacement Project – Maven Contract, Budget and Grant enhancements/Cardinal Enhancements to the Electronic Death Registration System All-Payer Claims Database Health Information Exchange Virginia Immunization Information Systems Bi-Directional Project Data Analytics/Informatics EMS Systems upgrades Recompete projectwith VITA OIM-Health IT does su pport the existing mission critical applications that are currently in production. There are around 15 of these mission critical applications including WEB F&A, WebVision (a very large system requiring regular updates), EMS applications, etc. If these applications require additional updates, a corresponding entry will be made into the ITSP for VDH with the appropriate BRt documents. The VDH mission has always included elements of emergency preparedness and response, but as the lead state agency for response to bioterrorism and other issues, the required level of reliability and redundancy of key systems, especially communications has increased. To this end, several EMS systems have been upgraded to support the new and more current functionality and capabilities. The Virginia Department of Health has entered seven new projects (BRnTs) for this biennium. These include the Blackboard Learning Management System, the Data Governance Program, the Safety Seat Project (LISSDEP), the WebF&A new modules to integrate the EMS Financial Processes project, the EMS Financial Module and the EMS Licensure and Compliance Project. These new projects are staffed through existing IT resources within the Office of Information Management and Health IT. These staff have several projects assigned to them. Contractors are brought in to supplement the staff if needed and if funding is available. Project plans are created so that adequate time and resources are available to complete the

projects on time. The Agency does have the skillset to support this work, and at this time, funding is designated for these projects. Finally, it should be noted that VDH is most always impacted regularly by either federal or state mandates beyond our control. We must be agile enough to make changes or updates to systems regularly when new federal/state mandates arise or when mandates change. Additionally, VDH regularly receives new projects or updates to projects during each General Assembly session. These are typically funded through federal grants, although, not always. These will be added to this strategic plan with associated BrTs as these changes/updates occur.

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 agencys current IT investments. These are requirements and mandates from external sources, such as other agencies or business partners, the agencys 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 agencys 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 agencys 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?

Funding and the availability of resources continue to be a challenge for VDH. Currently the projects mentioned above are adequately funded, however as federal and state mandates come down, obtaining additional funding and qualified resources is an issue and continues to be an issue. VDH does rely heavily on contractors to supplement the existing staffing and resources.

Due to the fact that VDH is heavily grant funded, some IT applications and services are also grant funded. From time to time, the Federal grantor will mandate certain items in the systems or applications utilized by VDH, and we will make those changes accordingly. This is often funded through the appropriate federal grant. At this time there are no mandated changes impacting other Commonwealth Agencies.

The availability of qualified resources also continues to be a challenge for VDH. Some of our technologies are fairly specific to a health care environment, therefore the resources may be difficult to find.

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 agencys 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 agencys 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 Virginia Department of Health has entered seven new projects (BRnTs) for this biennium. These include the Blackboard Learning Management System, the Data Governance Program, the Safety Seat Project (LISSDEP), the WebF&A new modules to integrate the EMS Financial Processes project, the EMS Financial Module and the EMS Licensure and Compliance Project. These new projects are staffed through existing IT resources within the Office of Information Management and Health IT. These staff have several projects assigned to them. Contractors are brought in to supplement the staff if needed and if funding is available. Project plans are created so that adequate time and resources are available to complete the projects on time. The Agency does have the skillset to support this work, and at this time, funding is designated for these projects.

Report Title: Strategic Plan

Agency: Department of Health

Current IT Services

Category	Costs Year 1		Costs Year 2	
	GF	NGF	GF	NGF
Projected Service Fees	$8,121,223	$16,150,215	$8,364,860	$16,634,721
VITA Infrastructure Changes	$0	$0	$0	$0
Estimated VITA Infrastructure	$8,121,223	$16,150,215	$8,364,860	$16,634,721
Specialized Infrastructure	$0	$0	$0	$0
Agency IT Staff	$6,774,484	$1,693,622	$7,451,932	$1,778,303
Non-agency IT Staff	$1,200,000	$3,043,467	$1,320,000	$3,347,813
Cloud Computing Service	$0	$0	$0	$0
Other Application Costs	$954,146	$2,127,000	$1,144,975	$2,339,700
Total	$17,049,853	$23,014,304	$18,281,767	$24,100,537

Proposed IT Investments

Category	Costs Year 1		Costs Year 2	
	GF	NGF	GF	NGF
Major IT Projects	$525,000	$175,000	$525,000	$175,000
Non-Major IT Projects	$250,000	$0	$0	$250,000
Agency-Level IT Projects	$0	$0	$0	$0
Major Stand Alone IT Procurements	$2,100,125	$3,913,165	$0	$453,425
Non-Major Stand Alone IT Procurements	$172,500	$128,500	$0	$0
Agency-Level Stand Alone IT Procurements	$0	$0	$0	$0
Procurement Adjustment for Staffing	$0	$0	$0	$0
Total	$3,047,625	$4,216,665	$525,000	$878,425

Projected Total IT Budget

Category	Costs Year 1		Costs Year 2		Total Costs
	GF	NGF	GF	NGF	
Current IT Services	$17,049,853	$23,014,304	$18,281,767	$24,100,537	$82,446,462
Proposed IT Investments	$3,047,625	$4,216,665	$525,000	$878,425	$8,667,715
Total	$20,097,478	$27,230,969	$18,806,767	$24,978,962	$91,114,177

Report Title: Business Requirements For Technology

Agency: Department of Health (VDH)

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601 VDH BReT Cloud Readiness Assessment 2018

BRT Type:	Business Requirement for Existing Technology
Date Submitted:	10/17/2018
Mandate:	Yes
Mission Critical:	Yes

Description:

Governor Ralph Northam's "Executive Order 19: Cloud Service Utilization and Readiness" requires agencies to take specific actions starting this month and continuing through fall 2019.
The order requires VITA to adopt a model for evaluating and incorporating cloud services into the commonwealth's information technology (IT) strategy and services. VITA has:
Started the process of creating a cloud services model
Begun obtaining information about agency systems that can be migrated to a cloud environment
Provided an overview of the process at the recent agency information technology resources (AITR) meeting
Planned additional announcements to AITRs regarding remaining steps
Included cloud-related services and migration to the new data center in the recently awarded infrastructure contracts
Additionally, VITA and all systems must move from the Commonwealth Enterprise Solutions Center (CESC) in Chester by December of 2021. One related strategy is to reduce the number of physical servicers at CESC to prepare for the move. This means migration to the cloud must be completed by that time. It is imperative to start planning now.
Agencies' IT staff members have been asked to complete cloud assessments and should be using the results to identify resource requirements. VITA encourages agencies to evaluate their resources and discuss resource planning with the appropriate financial staff to ensure work can begin as required. Resource needs should be included requests in the upcoming budget cycle. enabled, VITA will
To identify which existing solutions can be migrated to the cloud and ensure all new IT solutions proposed be cloud- issue a hosting standard in the coming weeks. This standard will define terminology and identify requirements agencies must consider when implementing cloud-based IT solutions.

BRET - eCOMPAS

BRT Type:	Business Requirement for Existing Technology
Date Submitted:	2/5/2015
Mandate:	Yes
Mission Critical:	Yes

Description:

Virginia Department of Health (VDH) was awarded a three-year demonstration grant from The Health Resources and Services Administration (HRSA), HIV/AIDS Bureau beginning September 1, 2014, under the Special Project of National Significance (SPNS) Health Information Technology (HIT) Capacity Building for Monitoring and Improving Health Outcomes along the HIV Care Continuum - Capacity Building Sites initiative. The purpose of this grant program is to support the Virginia Ryan White (RW) Part B grantee to enhance the HIT systems in the State. The enhanced HIT systems must fully integrate and utilize relevant measures of Human Immunodeficiency Virus (HIV) treatment, surveillance and laboratory data to allow for a more efficient collection, monitoring and tracking of health outcomes of people living with HIV (PLWH) along the HIV Care Continuum.

BReT FY19 Staff Augmentation Renewal

BRT Type:	Business Requirement for Existing Technology
Date Submitted:	5/23/2018
Mandate:	
Mission Critical:	

Description:

FY19 renewal of VDH IT staff augmentation supporting networks systems, data analytics and management.
Renewal of services provides agency wide technology infrastructure continuity for key agency communications, intranet, budget, grants and payroll applications.

BRet - Office 2010 to Office 2016

BRT Type:	Business Requirement for Existing Technology
Date Submitted:	8/19/2016
Mandate:	No
Mission Critical:	No

Description:

Our infrastructure at the Chester datacenter is being upgraded due to end of life cycle on various systems so we need to upgrade Microsoft office to Office 2016. Upgrade in progress (100 devices remaining). Anticipated completion 30June18

BReT - VDH Enterprise Security Risk Management / Risk Assessment

BRT Type:	Business Requirement for Existing Technology
Date Submitted:	8/4/2016
Mandate:	No
Mission Critical:	No

Description:

VDH has an ongoing Risk Assessment/System Security Plan update project designed to bring agency IT System risk management and security documentation into compliance with SEC501-09 standards. VDH is working with CSRM to comply with the 'Green in two' expectations for audit and security. VDH has a current project plan to assess (audit and security) the identified systems provided by VITA/CSRM to ensure they are within the required audit and security risk assessment plan guidelines.

BReT WebF&A -- Enhancements due to Cardinal

BRT Type:	Business Requirement for Existing Technology
Date Submitted:	8/2/2016

Mandate:	No
Mission Critical:	

Description:
These are various enhancements to WebF&A which are due to the Cardinal changes.

BReT Black Box Expansion

BRT Type:	Business Requirement for Existing Technology
Date Submitted:	5/9/2017
Mandate:	No
Mission Critical:	Yes

Description:
THE BLACK BOX MATCHING ALGORITHM IS A HIPAA-COMPLIANT PROCESS CREATED BY GEORGETOWN UNIVERSITY THAT MATCHES SURVEILLANCE DATA ACROSS MULTIPLE JURISDICTIONS. THE MATCHES ARE USED BY JURISDICTIONS TO DETERMINE HOW MANY PEOPLE LIVING WITH HIV IN THEIR AREA HAVE MOVED, ARE DECEASED, OR ARE IN CARE BASED ON OUTSIDE SURVEILLANCE DATA.

BReT CAST-SQL Migration

BRT Type:	Business Requirement for Existing Technology
Date Submitted:	
Mandate:	No
Mission Critical:	

Description:
Every Woman's Life (EWL) is a public health program that helps uninsured, low income women gain access to free breast and cervical cancer screening services. Screening and early detection reduces death rates, improves treatment options, and greatly increases survival. The program staff uses a CDC developed tool called CAST which is a MS Access based software. This needs to be upgraded to CAST_SQL which is a web based software with SQL SERVER backend.

BReT CONTRACT WITH CONNECT VIRGINIA Bret

BRT Type:	Business Requirement for Existing Technology
Date Submitted:	11/4/2014
Mandate:	No
Mission Critical:	Yes

Description:
THE 2014 VIRGINIA ACTS OF ASSEMBLY (CH.2)PROVIDES $350,000 IN GENERAL FUND SUPPORT FOR ONBOARDING TO CONNECT VIRGINIA; COSTS OF TRANSITIONING THE VIRGINIA

DEPARTMENT OF HEALTH (VDH) "NODE" ON CONNECT VIRGINIA TO THE STATE AGENCY NODE; AND PROVIDING SUPPORT TO OTHER STATE AGENCIES IN THEIR ONBOARDING TO FURTHER IMPLEMENT THE HEALTH INFORMATION EXCHANGE (HIE) FOR ELECTRONIC HEALTH RECORDS (CONNECT VIRGINIA).

Bret Environmental Health Data Management System

BRT Type:	Business Requirement for Existing Technology
Date Submitted:	4/5/2016
Mandate:	Yes
Mission Critical:	Yes

Description:

OEHS desires to initiate a competitive process (RFP) to replace the current contract with HealthSpace that expires July 1, 2017. HealthSpace has been the current vendor of the data system for approximately 15 years and a competitive process will help assure that the system used best meets the needs of the agency. The current system is a comprehensive and highly customized environmental health data management system used by OEHS and health districts to collect, collate and share data.

BRet VDH Consultant / Staff Augmentation Renewal FY18

BRT Type:	Business Requirement for New Technology
Date Submitted:	5/11/2017
Mandate:	No
Mission Critical:	Yes

Description:

This Bret is for a consolidated submission and includes VDH IT contractors that are needed on an ongoing basis from July 1, 2017 through June 30, 2018. This procurement is to extend the services of highly knowledgeable and skilled information technology consultants. VDH utilizes consultants to augment our current information technology staff.

Bret VDH Oracle Software Support Renewal FY18

BRT Type:	Business Requirement for Existing Technology
Date Submitted:	8/1/2016
Mandate:	No
Mission Critical:	Yes

Description:

This BRET is for the purchase for the yearly Oracle software support renewal.
This support renewal fee provides technical support and software upgrades for all Oracle products used in development and maintenance of applications used in VDH programs and Health Districts.

Bret VDH Software Support Renewal FY17 & FY18

BRT Type:	Business Requirement for Existing Technology
Date Submitted:	8/1/2016
Mandate:	No
Mission Critical:	Yes

Description:

This Bret is to purchase support renewals. The support renewal fees provide technical support and software upgrades for various software products such as Tableau, Web Trends, ArcGIS, QA software, etc. used in Programs and Health Districts in the Virginia Department of Health (VDH).

BReT VIIS Maintenance and Enhancement Contract

BRT Type:	Business Requirement for Existing Technology
Date Submitted:	8/20/2015
Mandate:	No
Mission Critical:	Yes

Description:

ESTABLISH AN IT CONTRACT TO MAINTAIN AND ENHANCE THE VIRGINIA IMMUNIZATION INFORMATION SYSTEM (VIIS). THIS IS THE CORE CONTRACT THAT SUPPORTS VIIS. VIIS IS A CRITICAL COMPONENT NEEDED TO ACHIEVE THE FUNDAMENTAL MISSION OF THE DIVISION OF IMMUNIZATION TO PREVENT AND CONTROL VACCINE PREVENTABLE DISEASE. VIIS SUPPORTS PRIVATE AND PUBLIC HEALTHCARE PROVIDERS IN THE APPROPRIATE DELIVERY OF IMMUNIZATIONS BY MAINTAINING AN ACCESSIBLE AND DEFINITIVE IMMUNIZATION HISTORY ON THE CLIENTS. VIIS ASSISTS ENROLLED PROVIDERS WITH VACCINEORDERING AND INVENTORY MANAGEMENT AND IMPROVES VACCINE ACCOUNTABILITY. AS VIIS BECOMES MORE ROBUST, IT WILL BECOME THE PRIMARY MECHANISM FOR POPULATION BASED IMMUNIZATION COVERAGE ASSESSMENTS AT THE STATE AND LOCAL LEVEL.

BReT Virginia Immunization and Information System Maintenance Bret

BRT Type:	Business Requirement for Existing Technology
Date Submitted:	9/25/2014
Mandate:	No
Mission Critical:	Yes

Description:

This BReT is for the maintenance and enhancement contract for the Virginia Immunization and Information System (VIIS). This will provide for the ongoing maintenance of the VIIS application and enhancements to the application as directed by the Virginia Department of Health/Division of Immunization.

BReT VVESTS – OFHS Letter generation rewrite

BRT Type:	Business Requirement for Existing Technology

Date Submitted:	8/2/2016
Mandate:	No
Mission Critical:	

Description:
This project entails rewriting the current VISIT letters.

BReT VVESTS – VR online user registration module

BRT Type:	Business Requirement for Existing Technology
Date Submitted:	8/2/2016
Mandate:	No
Mission Critical:	

Description:
This module let users of the system register online.

Bret-Mobile platform and monitoring visits (retail stores) - VA WIC Program

BRT Type:	Business Requirement for Existing Technology
Date Submitted:	1/28/2015
Mandate:	Yes
Mission Critical:	

Description:
MODIFY AN EXISTING CONTRACT WITH XEROX CORPORATION TO INCLUDE MAKING CHANGES TO AN EXISTING (APL CENTRAL) SYSTEM WHICH IS USED TO DOCUMENT MONITORING/STOCKING VISIT RESULTS COMPLETED AT 850+ WIC AUTHORIZED STORES BY STATE AGENCY STAFF. COMPLY WITH STATE 12VAC-195-580 PERFORMANCE AND ADMINISTRATIVE MONITORING AND FEDERAL REGULATIONS (246.12) IN CONDUCTING UNANNOUNCED VISITS AT WIC AUTHORIZED STORES AND NEW STORE APPLICANTS.

BReT-Upgrade Database Version to SQL SERVER 2014 for CROSSROADS

BRT Type:	Business Requirement for New Technology
Date Submitted:	7/29/2016
Mandate:	No
Mission Critical:	Yes

Description:
The CROSSROADS system currently utilizes SQL SERVER 2008 as the database engine. The plan is to upgrade this to SQL SERVER 2014 which has more advanced security and reporting features.

BRET-Well Family System Licensing, Development and Maintenance

BRT Type:	Business Requirement for Existing Technology
Date Submitted:	2/2/2015
Mandate:	Yes
Mission Critical:	Yes

Description:

Virginia Department of Health (VDH) currently contracts with Go Beyond, LLC for licensing and maintenance of its Well Family System (WFS) for three programs in the Office of Family Health Services/Division of Child and Family Health. The programs are Healthy Start, Resource Mothers, and the Maternal, Infant and Early Childhood (MIECHV) Home Visiting Programs. The WFS meets industry standards and can easily be configured to meet reporting requirements and the Well Family System can interface with other Virginia Department of Health data systems. The approved VITA sole source request submitted in 2011 is APR# 11-125.

Licensing and maintenance for the VDH home visiting programs that use the Well Family System for data entry, data analysis, and required reporting to state and federal funding agencies.

Expansion of services for the MIECHV program with this sole source request include: (1) management of the business analysis to align WFS and the MIECHV home-visiting programs (Healthy Families Virginia, Nurse-Family Partnership, Parents as Teachers) with the required processes of data collection, reporting and customer care specific to the respective programs; and (2) development of data exchange processes for ongoing synchronization between the contracted community sites and WFS. This system will allow VDH programs in the Office of Family Health Services to track a mother and child's progress through multiple programs that touch that family.

BRnt Blackboard Learning Management System (LMS)

BRT Type:	Business Requirement for New Technology
Date Submitted:	2/1/2016
Mandate:	No
Mission Critical:	Yes

Description:

The Blackboard learning management system (LMS) would allow for any emergency medical services (EMS) student to attend class without any geographic constraints. Blackboard would offer a hosted LMS with 600GB of constant storage, 50,000 user licenses, collaborate web conferencing with record capabilities, and mobile device capabilities. The business requirements are: learning management system with platform for full course delivery capabilities, targeted communication capabilities, emergency notification, video hosting service, video and content storage solution, mobile device capabilities, web conferencing solution with record functionality. This BRnT would be hosted by Blackboard, not having any additional supporting technology requirements

BRnt Data Governance

BRT Type:	Business Requirement for New Technology
Date Submitted:	8/12/2016
Mandate:	No

Mission Critical:	Yes
Description:	

Virginia's Plan for Well-Being provides the guiding principles for VDH activities. Data collection, analysis, and reporting provide the ability to monitor the various goals which make up the overall Plan. A core component to ensuring these data efforts are adequate, accurate, and timely is the concept of data governance, which provides a flexible, modular framework for managing and maintaining data assets.

BRnT DPHP Kognito

BRT Type:	Business Requirement for New Technology
Date Submitted:	7/16/2018
Mandate:	No
Mission Critical:	No
Description:	

Online training courseware for simulation-based suicide prevention training programs where learners engage in role-play conversations with emotionally responsive avatars that exhibit signs of depression, thoughts of suicide, and anxiety.

BRnT ED Care Coordination

BRT Type:	Business Requirement for New Technology
Date Submitted:	4/6/2017
Mandate:	Yes
Mission Critical:	
Description:	

Emergency Department Care Coordination Program established. Establishes the Emergency Department Care Coordination Program in the Department of Health to provide a single, statewide technology solution that connects all hospital emergency departments in the Commonwealth to facilitate real-time communication and collaboration between physicians, other health care providers, and other clinical and care management personnel for patients receiving services in hospital emergency departments, for the purpose of improving the quality of patient care services. The bill does not become effective unless and until the Commonwealth receives federal Health Information Technology for Economic and Clinical Health (HITECH) Act funds to implement its provisions. This bill is identical to HB 2209.

BRnT Integrated HIV Care and Prevention Data System-ADAP

BRT Type:	Business Requirement for New Technology
Date Submitted:	7/11/2018
Mandate:	No
Mission Critical:	Yes
Description:	

An automated system for the Virginia AIDS Drug Assistance Program (ADAP) that will manage all client-level data related to program applications, eligibility, recertification, medication utilization and insurance

coverage for approximately 7000 clients. The system will interface with the state's Pharmacy Benefits Manager and Third Party Payer for payments of insurance premiums and co-payments for insured clients. The system will interface with COV Central Pharmacy Data system (QS1), 2 health department pharmacies, Medical College of Virginia, and all other health departments / medication pick-up sites for clients through direct medication purchase.

BRnT Opioid Dashboard Enhancements

BRT Type:	Business Requirement for New Technology
Date Submitted:	9/19/2018
Mandate:	No
Mission Critical:	No
Description:	

BRnT Opioid Dashboard Enhancements

BRnT Web F&A - Travel Authroization Request (TAR)

BRT Type:	Business Requirement for New Technology
Date Submitted:	
Mandate:	No
Mission Critical:	Yes
Description:	

Currently VDH maintains paper-based event and travel requests submission and approval which are time consuming processes. The paper process also delays other administration processes that depend upon travel approval. There is no systematic way to track and manage travel requests which leads to misleading, unreliable information and requires more resources to pull the information together.

VDH IT Sourcing BReT

BRT Type:	Business Requirement for Existing Technology
Date Submitted:	9/21/2016
Mandate:	
Mission Critical:	
Description:	

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 most users in the agency. We also have applications that have hooks into messaging services which need to be tested. Workplace Collaboration Services: VDH uses WCS SharePoint. We have applications serviced via Airwatch which will need remediation.
Server/storage (including housing of equipment) BReT:
VITA is initiating disentanglement from NG servers and storage. VDH has 211 servers which will need to be migrated and tested during this transition.

Authentication/directory services BReT:
VDH has many applications which will need to be migrated and tested during the authentication/directory services transition.
End user computing BReT:
VDH has 5,645 desktops, laptops, and tablets and 733 network printers and copiers which will need to be migrated.
Data networks BReT:
VDH has a few small sites that are not mpls and will need to be migrated.
Voice Networks BReT:
VDH has UCaaS phone lines and non-UCaaS phone lines which will need to be migrated.
Cloud Computing BReT:
VDH will not investigate moving to a Cloud services vendor until stronger guidance is provided by Commonwealth Security.
Security Services BReT: To meet Commonwealth Security requirements, VDH will procure security and audit services using DPB funds.
Internet Usage BReT:
VDH projects that internet usage will increase. Some examples of why internet usage is likely to increase: increase in video streaming, increase in user access to the internet, etc.

Report Title: Appendix A 18 - 20 Report

Agency: Department of Health (VDH)

Agency Head Approval: No

Budget Category: Major Projects

Environmental Health Data Management Information System Project

Appropriation Act/Funding Status	**Project Initiation Approval -**

The Office of Environmental Health Services (OEHS) desires to replace its current data management system, the Virginia Environmental Information System (VENIS). VENIS, implemented in 2003, is a comprehensive and highly customized environmental health data management system used by OEHS and health districts to collect, collate and share data. The data is used to monitor compliance with laws and regulations, agency performance and strategic planning.

The new system will maintain this functionality as well as to fulfill the Virginia Department of Health's (VDH) legal requirement to provide an online reporting and payment system for alternative sewage system operation and maintenance. Ultimately, this system should provide an enterprise solution for regulatory activities in program areas such as permitting, inspections, revenue collection, and data reporting which will improve customer service to individuals and businesses in Virginia.

HealthSpace has been serving environmental health organizations for 19 years. They recently introduced a fully hosted cloud based solution called HSCloud. This product was developed with the depth of knowledge that comes from the years of experience in environmental health.

The HSCloud system is designed to allow simultaneous data input from all users in multiple jurisdictions, maintain individual fee structures, business rules and processes while at the same time meeting centralized information requirements, import and export data to comma delimited files, secure Tier III data storage, provide report writing tools and data analytics, allows users to work disconnected from an internet or mobile phone connection, and operate as a web application and client app on Android, iOS and Windows platforms simultaneously within one organization.

Specifically to the needs of OEHS, the HSCloud offers time cost center tracking, activity time tracking, ability to monitor all facilities and track all transactions,monitor and track complaints and service delivery, record and schedule inspections, write correspondence, upload scanned documents and photos and insert or link to specific documents, create permits, invoices, receipts, record and track payments, interface billing with any accounting package, sophisticated search and reporting tools and allows you to customize the database for any and all data needs.

HealthSpace is the originator and manager VENIS. They are the only vendor who can understand and effectively transition the current application seamlessly to a more modern technology platform. Implementation of this solution will affect the general public as well as business and individuals who interact directly with the agency and Commonwealth of Virginia.

Planned project start date:	4/27/2018	Planned project end date:	7/29/2019
PPEA Involvement:			

Estimated Costs:	**Total**	**General Fund**	**Nongeneral Fund**	**Nongeneral Funding Source**

Project Cost (estimate at completion):	$278,651			
Estimated project expenditures first year of biennium:	$700,000	$525,000	$175,000	
Estimated project expenditures second year of biennium:	$700,000	$525,000	$175,000	

Service Area	Weight
There are no service areas for this project.	

Project Related Procurements

Environmental Health Data Management Information System

Procurement Description:	: OEHS desires to initiate a competitive process (RFP) to replace the current contract with HealthSpace that expires July 1, 2017. HealthSpace has been the current vendor of the data system for approximately 15 years and a competitive process will help assure that the system used best meets the needs of the agency. The current system is a comprehensive and highly customized environmental health data management system used by OEHS and health districts to collect, collate and share data.		
Planned Delivery Date:	7/1/2017		

Report Title: Appendix A 18 - 20 Report

Agency: Department of Health (VDH)

Agency Head Approval: No

Stand Alone Major Procurements

Procurement Name:	DPHP Kognito		
Procurement Description:	Online training courseware for simulation-based suicide prevention training programs where learners engage in role-play conversations with emotionally responsive avatars that exhibit signs of depression, thoughts of suicide, and anxiety.		
Procurement Planned Start Date		Procurement Planned Completion Date	8/1/2018
		Appropriation Act Status	

Service Area		Weight
There are no service areas for this project.		

Procurement Name:	ED Care Coordination Procurement		
Procurement Description:	SB1561 creates the Emergency Department Care Coordination Program aimed at providing a single, statewide technology solution that connects all hospital emergency departments in Virginia to facilitate real time communication and collaboration among physicians, health care providers, and clinical and care management personnel for patients in emergency departments. The bill requires the state Health Commissioner enter into a contract with a third party to execute the program. This act becomes effective only after Health Information Technology for Economic and Clinical Health (HITECH) Act funds are received.		
Procurement Planned Start Date	7/1/2018	Procurement Planned Completion Date	7/1/2018
		Appropriation Act Status	

Service Area		Weight
There are no service areas for this project.		

Procurement Name:	VDH FY19 Staff Augmentation Renewal		
Procurement Description:	FY19 renewal of VDH IT staff augmentation supporting networks systems, data analytics and management. Renewal of services provides agency wide technology infrastructure continuity for key agency communications, intranet, budget, grants and payroll applications.		
Procurement Planned Start Date		Procurement Planned Completion Date	7/1/2018
		Appropriation Act Status	

Service Area	Weight
There are no service areas for this project.	

Procurement Name:	Viis Maintenance and Enhancement Contract with HPES
Procurement Description:	The procurement of a sole source contract to maintain and enhance the Virginia Immunization Information System (VIIS).

Procurement Planned Start Date		Procurement Planned Completion Date	1/1/2016
		Appropriation Act Status	

Service Area	Weight
There are no service areas for this project.	

Stand Alone Non-Major Procurements

Procurement Name:	Environmental Health - HealthSpace Contract Extension
Procurement Description:	In 2016, the Office of Environmental Health Services developed and released a Request for Proposals (RFP) to solicit a new vendor proposals for replacing the current Environmental Health system. The new system has a planned implementation date of December 2018. Prior to implementation, the current contract for maintenance of the existing system must be extended

Procurement Planned Start Date	7/1/2017	Procurement Planned Completion Date	7/1/2017
		Appropriation Act Status	

Service Area	Weight
There are no service areas for this project.	

Procurement Name:	Well Family System Licensing, Development and Maintenance
Procurement Description:	Virginia Department of Health (VDH) currently contracts with Go Beyond, LLC for licensing and maintenance of its Well Family System (WFS) for three programs in the Office of Family Health Services/Division of Child and Family Health. The programs are Healthy Start, Resource Mothers, and the Maternal, Infant and Early Childhood (MIECHV) Home Visiting Programs. The WFS meets industry standards and can easily be configured to meet reporting requirements and the Well Family System can interface with other Virginia Department of Health data systems. The approved VITA sole source request submitted in 2011 is APR# 11-125.
	Licensing and maintenance for the VDH home visiting programs that use the Well Family System for data entry, data analysis, and required reporting to state and federal funding agencies.
	Expansion of services for the MIECHV program with this sole source request include: (1) management of the business analysis to align WFS and the MIECHV home-visiting programs (Healthy Families Virginia, Nurse-Family Partnership, Parents as Teachers) with the required processes of data collection, reporting and customer care specific to the respective programs; and (2) development of data exchange processes for ongoing

	synchronization between the contracted community sites and WFS. This system will allow VDH programs in the Office of Family Health Services to track a mother and child's progress through multiple programs that touch that family.		
Procurement Planned Start Date		Procurement Planned Completion Date	4/1/2015
		Appropriation Act Status	

Service Area	Weight
There are no service areas for this project.	