

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Accounts Payable Automation Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Investment Business Case Approval

Project Description:

This project is designed to provide vendors a single, electronic invoice submission process through a web-enabled portal. Replace "wet" signatures with approval workflows to reduce paper generated, decrease paper storage requirements and increase efficiency. Capture invoice information from vendors without manually entering/reentering data. Create an organized, searchable central document repository to reduce personnel time spent managing paper records. Enable Vendors to track invoice status.

Project Scope:

This project is designed to provide vendors a single, electronic invoice submission process through a web-enabled portal. Replace "wet" signatures with approval workflows to reduce paper generated, decrease paper storage requirements and increase efficiency. Capture invoice information from vendors without manually entering/reentering data. Create an organized, searchable central document repository to reduce personnel time spent managing paper records. Enable Vendors to track invoice status.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: AIS Upgrade

Agency: Virginia Community College System (VCCS)

Secretariat: Education

Investment Status: Project Initiation Approval

Project Description:

The VCCS Administrative Information System (AIS), based on PeopleSoft Financials 9.1, is currently at end-of-life. Oracle support for version 9.1 ends in late 2019. It is imperative that the VCCS upgrade to the 9.2 version of PeopleSoft Financials to be eligible for Oracle support and regulatory releases.

Project Scope:

The VCCS Administrative Information System (AIS), based on PeopleSoft Financials 9.1, is currently at end-of-life. Oracle support for version 9.1 ends in late 2019. It is imperative that the VCCS upgrade to the 9.2 version of PeopleSoft Financials to be eligible for Oracle support and regulatory releases. The intent of this project is not only to upgrade our existing AIS to a supported version, but also to leverage new business functionality available in the newer release. This new functionality will create efficiencies within Accounts Payable, add capabilities to the VCCS Shared Services Center, and facilitate robust security for transaction approvals.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Audit Case Management Mobile System

Agency: Department of Taxation (TAX)

Secretariat: Finance

Investment Status: Investment Business Case Approval

Project Description:

The proposed mobile applications are twofold – one for Field Collectors and one for Field Auditors. As a result of providing this functionality TAX collectors and auditors will be able to offer one stop service to our customers as well as multiple payment options. Currently, pay by paper check is the only option provided to customers. By allowing electronic payments, funds will be available sooner.

Project Scope:

The proposed mobile applications are twofold – one for Field Collectors and one for Field Auditors. As a result of providing this functionality TAX collectors and auditors will be able to offer one stop service to our customers as well as multiple payment options. Currently, pay by paper check is the only option provided to customers. By allowing electronic payments, funds will be available sooner.

Collection TAX reps, since June FY 2014, were able to process payments and file forms and returns electronically and have the confirmation of the payment and filings emailed to the taxpayer. It achieved the Commonwealth/TAX goals for electronic payments and filings. This capability has decreased paperwork for the agent and save TAX time and money because funds are processed to the bank more efficiently and it has reduced the need to process paper checks or process paper forms and returns.

The more complex application needs is with the Field Audit Case Management mobile system. To address these needs, a Request for Proposal (RFP) was issued, September 9, 2015, by Tax Procurement and responses were received November 4, 2015. The results were evaluation by the Tax business users to determine the best course of action to providing a software solution to conduct and manage audits in-house and in the Field.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Automatic Vehicle Locators Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

VDOT is looking to replace the automatic vehicle locators capabilities that are currently about to expire. VDOT seeks end-to-end AVL Services, including hardware, software, connectivity, data, and support. The solution provider must store data for a reasonable time and make the data available for consumption by VDOT. VDOT will continue to provide Cloud storage for the data for the expected retention period. The service provider makes a web service available for VDOT to retrieve the data. A Vendor self-service portal enabling authorized contractors to register and renew their devices/data feeds, order devices, and otherwise manage vehicles within the solution.

Project Scope:

VDOT is looking to replace the AVL capabilities that are currently about to expire. Rather than starting a new contract with the existing service provider, VDOT desires to implement a new SOR that allows the ability to utilize new technology that has been developed since VDOT's first use of AVL. A 1 year exception for an additional extension of the existing contract has been requested so that we ensure that coverage is provided for Maintenance Division.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: AVATAR To The Cloud

Agency: Department of Behavioral Health and Development Services (DBHDS)

Secretariat: Health and Human Resources

Investment Status: Investment Business Case Approval

Project Description:

AVATAR is the Billing system for hospital patients. This project will move the current DBHDS Avatar system from the 2008 SQL server application to the Vendor - NetSmart Cloud hosted platform.

Project Scope:

AVATAR is the Billing system for hospital patients. This project will move the current DBHDS Avatar system from the 2008 SQL server application to the Vendor - NetSmart Cloud hosted platform.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Cardinal Statewide HCM

Agency: Department of Accounts (DOA)

Secretariat: Finance

Investment Status: Project Initiation Approval

Project Description:

Cardinal is the Commonwealth's Enterprise Resource Planning (ERP) system for administrative systems. Cardinal has implemented financial modules via several system rollouts at Virginia Department of Transportation (VDOT), Department of Accounts (DOA), ~140 agencies (Wave 1 of Statewide Rollout) and is in the process of implementing Cardinal at another ~134 agencies as part of Wave 2 of the Statewide Rollout of financials. The Commonwealth's current Payroll system is CIPPS. CIPPS was implemented in the mid-1980s. It is a purchased software package supported by Infor Global Solutions (formerly McCormack and Dodge, Dun and Bradstreet, and GEAC). The current application runs on the IBM mainframe and is written in COBOL. Infor has announced technical support for the application will end May 31, 2018. The Commonwealth will expand the Cardinal system to include the necessary PeopleSoft modules to meet the payroll functional requirements. This will result in the design, development, test and deployment of a new payroll system to over 200 state agencies. At the end of this implementation, CIPPS will be retired.

Project Scope:

The Cardinal Statewide HCM implementation will span approximately 30 months and consist of two releases as part of its scope. This involves rolling the system out to an estimated 665 individual agencies/localities, covering an estimated 10,000 core users, and 200,000 self-service users.

Release 1: deploys the system to all benefit-only entities and a pilot group of payroll agencies representing approximately 10 percent of the active employee population currently processed by CIPPS. The payroll-pilot group will include Virginia Department of Transportation (VDOT), Department of Accounts (DOA), Department of Human Resource Management (DHRM), and representative interfacing agencies. The new reports, interfaces, conversion and extensions (RICE) functionality will be delivered in Release 1. This will include the modification of some existing VDOT customizations and new functionality delivered as part of the HCM Project.

Release 2: Delivers the system to the remaining agencies. At the conclusion of Release 2, it is anticipated that Cardinal will replace CIPPS, PMIS, and BES as the Commonwealth's integrated HCM system of record.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Case Management Report Management and Dispatch Systems (CaRDS)

Agency: Department of State Police (VSP)

Secretariat: Public Safety and Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

This project includes investigative processes that may (as defined in policy) require an Investigative Report (SP-102) and processes that directly support these investigations as specified below:

- Investigative Requests & Complaints
- Investigations (analysis, documenting completed actions and investigative reports)
- Search Warrants
- Criminal Funds
- Arrests & Bookings
- Confidential Informants (CIs)
- Legal Document Service & Arrests
- Activity Time Reporting
- Interface with Incident-Based Reporting System

Project Scope:

The items below describe the project scope:

This project includes investigative processes that may (as defined in policy) require an Investigative Report (SP-102) and processes that directly support these investigations as specified below:

- Investigative Requests & Complaints
- Investigations (analysis, documenting completed actions and investigative reports)
- Search Warrants
- Criminal Funds
- Arrests & Bookings
- Confidential Informants (CIs)
- Legal Document Service & Arrests
- Activity Time Reporting

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: CCWIS - Mobility

Agency: Department of Social Services (DSS)

Secretariat: Health & Human Resources

Investment Status: Project Initiation Approval

Project Description:

The state requests a COTS enterprise mobile software solution for Family Service specialists to use to enter case notes, update and access case records, and perform assessments in the field. Providing them a mobile solution will help to ensure timely, accurate reporting and will reduce the delay in data-entry caused by only having the ability to enter the information into the system while in the formal office setting.

Project Scope:

The Department is seeking a solution that will provide for a configurable, COTS mobile application that will run concurrently and interfaces with the Department's current child welfare information system, the Online Automated Services Information System (OASIS) along with related databases. The project scope includes procurement, customization, configuration, implementation of software, servers and services to implement the proposed solution.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: CCWIS - Program

Agency: Department of Social Services (DSS)

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

CCWIS (Comprehensive Child Welfare Information System) will replace outdated legacy systems that do not meet the needs of children and families in the Commonwealth. The new solution will use a modular approach to replace and enhance functionality and allow workers to spend more time in the field with their clients. The program will include 5 modules and stretch over 5 years. The net objective of the Department is to obtain an OASIS replacement that has an easy-to-use (user friendly) and reliable user interface aligned with the state's model of practice. The new system shall enable a truly mobile workforce with advanced internet based products that reduce the burden of information entry and maintenance, establish real time information gathering, and support management reporting requirements. The new system will increase integration and coordination between VDSS and other state organizations through comprehensive data sharing interfaces. The scope of the program includes mobility, case management, financial management, provider management and public portals

Project Scope:

The net objective of the Department is to obtain an OASIS replacement that has an easy-to-use (user friendly) and reliable user interface aligned with the state's model of practice. The new system shall enable a truly mobile workforce with advanced internet based products that reduce the burden of information entry and maintenance, establish real time information gathering, and support management reporting requirements. The new system will increase integration and coordination between VDSS and other state organizations through comprehensive data sharing interfaces. The scope of the program includes mobility, case management, financial management, provider management and public portals.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: CEDAR Upgrade Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The CEDAR Upgrade Project is focused around delivery four new modules as an enhancement to the existing CEDAR system. These Modules will enable more efficient workflow, automate manual processes, and improve data accuracy, while also helping to reduce the risk of not being fast enough to respond within regulatory mandates. Modules will focus on delivery of new capabilities for TMDL/MS4, Facilities Compliance, GIS, and FPWR.

Project Scope:

The Project will deliver enhancements to 4 modules in the existing CEDAR application with scope as follows:

Fish, Plant, and Wildlife Resources (FPWR): (This program area has been renamed to Threatened and Endangered)

- Create Comprehensive Species Conclusion Table, by pulling data from agency sources
- Utilize geospatial functionality available to eliminate repeat manual entries of data
- Create centralized storage repository for documentation

Geographical Information System (GIS) for the Environmental Division:

- New forms and layers auto-populated in CEDAR
- Ability for consultants to create map packages
- Ability to upload georeferenced photos and shape files
- Populate data to and from other sources
- New map functionality for Location studies
- Integrated functionality

Facilities Compliance:

- The project will address the following facilities-based processes:
- SPCC monthly and annual inspections
- SWPPP monthly and annual inspections
- Facility compliance assessments
- Industrial hygiene studies and respirator fit
- Tracking of training records / transcripts for formal and informal training
- Waste management and other compliance documentation tracking

- The project will address enhancements to Hazmat projects

Municipal Separate Storm Sewer System (MS4) / Total Maximum Daily Load (TMDL):

- Track Best Management Practice (BMP) and Nutrient Credits
- Identify new BMPs
- Evaluate Qualifying Criteria

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Child Support Payment Processing

Agency: Department of Social Services (DSS)

Secretariat: Health and Human Resources

Investment Status: Investment Business Case Approval

Project Description:

DCSE seeks to invest in Software and software maintenance as necessary to operate the Payment Processing Unit (checks) in the State Disbursement Unit. The investment may also include hardware lease and/or purchase to include maintenance of hardware component units for the purpose of performing automated mail extraction and imaging of checks and related documents. Scope of the project includes purchase of payment processing software, maintenance of software, purchase and/or lease hardware for imaging and mail extraction as well as maintenance necessary for hardware.

Project Scope:

Scope of the project includes purchase of payment processing software, maintenance of software, purchase and/or lease hardware for imaging and mail extraction as well as maintenance necessary for hardware.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: COMPASS (Case Management)

Agency: Department of Social Services (DSS)

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

An enterprise case management information system for child welfare professionals to enter case information, update and access case records, view scanned documents, generate reports and meet federal eligibility criteria for reporting and funding.

Project Scope:

The Department is seeking a solution that will provide for a configurable, case management solution that will replace four legacy and one SaaS information system. The project scope includes procurement, customization, configuration, implementation of software, servers and services to implement the proposed solution. The scope and requirements are define in the RFP and contract which will both be attached once awarded.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Data Center Relocation Program (DCRP)

Agency: Virginia Information Technologies Agency (VITA)

Secretariat: Administration

Investment Status: Investment Business Case Approval

Project Description:

The Data Center Relocation Program consists of the entire lifecycle of all of the component programs, projects and activities which will successfully transition the Commonwealth off of the physical IT infrastructure at the Chesterfield Enterprise Solutions Center (CESC) to a different computing center by the end of 2021. Transformation of the current business practices or current infrastructure is not within the scope of this program. Although it is within the scope of the program to conceive and operationalize the ongoing operations management, administration, governance and oversight of the future-state, the actual management, etc. of ongoing operations takes place after the program has transitioned these functions to the normal operations responsibilities, and is outside the scope of the ITIS Program. There are 3 major efforts (sub-programs) envisioned: (1) the EO19 subprogram effort where physical assets (i.e. servers housing agency application(s)) are virtualized where possible; this EO19 effort is coordinated by VITA, and has many separate agency projects, (2) the Virtualize subprogram is the effort where individual service towers (i.e. Managed Security, Network, etc.) have their respective software applications virtualized; and (3), the Physical Move subprogram where applications are enabled for cloud production.

Project Scope:

The Data Center Relocation Program Scope consists of the entire lifecycle of all of the component programs, projects and activities which will successfully transition the Commonwealth off of the physical IT infrastructure at the Chesterfield Enterprise Solutions Center (CESC) to a different computing center by the end of 2021.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Data Center Move

Agency: Virginia Information Technologies Agency (VITA)

Secretariat: Administration

Investment Status: Investment Business Case Approval

Project Description:

The Chesterfield Enterprise Solutions Center (CESC) Data Center Move consists of three major efforts (sub-programs) contained within: (1) Executive Order 19 (EO 19) subprogram effort where physical assets (i.e., servers housing agency application(s)) are virtualized where possible; this EO 19 effort is coordinated by VITA, and has many separate agency projects, (2) the Virtualize subprogram is the effort where individual service towers (i.e., Managed Security, Network, etc.) have their respective software applications virtualized; and (3) the Physical Move subprogram where applications that have not been virtualized or cannot currently be virtualized are physically moved out of CESC to a new data center.

The focus of this project is on the Physical Move subprogram. Any IT infrastructure and assets that are located in the CESC data center and will continue to serve a useful purpose after the project completion deadline will be physically moved to the new data center. Any IT infrastructure and assets that are no longer needed will be physically removed from the CESC data center in preparation for the return of the building to the landlord.

The scope of work for this project is to physically move the infrastructure supporting applications that cannot be virtualized to a new data center. This infrastructure may be supporting agencies, Service Tower Suppliers (STs), and one or more projects or Requests for Service. There are three identified levels of involvement for the STs.

Project Scope:

The scope of work for this project is to physically move the infrastructure supporting applications that cannot be virtualized to a new data center. This infrastructure may be supporting agencies, Service Tower Suppliers (STs), and one or more projects or Requests for Service. There are three identified levels of involvement for the STs:

1. No involvement – does not have anything in the CESC data center, will not have anything in a new data center, does not touch anything in either location
2. Minor involvement – has at a minimum one or more applications in or touching the existing data center or will touch a new data center.
3. Major involvement – has significant infrastructure, applications, integration in the existing as well as a new data center.

The STs are categorized as follows:

Appendix C – 2019 Major IT Project Descriptions

- ATOS – major involvement
- Iron Bow – minor involvement
- Perspecta – minor involvement
- Tempus Nova – minor involvement
- Unisys – major involvement
- Verizon – major involvement
- Xerox – minor involvement

There are no STSs with no involvement.

This project scope will also include the removal of all equipment in the CESC data center in preparation for exiting the building.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: DCJS Opioids Data Sharing Project

Agency: Department of Criminal Justice Services (DCJS)

Secretariat: Public Safety and Homeland Security

Investment Status: Project Initiation Approval

Project Description:

This project is a continuation project pilot that was initiated last year to develop and execute the necessary data sharing agreements and to develop the data-sharing platform. The work in this project was conducted with the Northwest Virginia Regional Drug Task Force (Task Force) and the Northern Shenandoah Valley Substance Abuse Coalition (NSVSAC). With Phase I coming to an end as well as begin successful, the next steps include expanding this platform to other locations within the state. The project is a state initiative and the chief data officer has been assigned to address the Opioid issue in Virginia through collaboration and data sharing.

Project Scope:

The scope of this project is to enhance the capabilities of the data-sharing platform that was developed in Phase I and expand the service area to other localities in Virginia. Phase I was a successful Proof of Concept project that established a data-sharing platform and put in place a data sharing agreement between the Northwest Virginia Regional Drug Task Force, Northern Shenandoah Valley Substance Abuse Coalition (NSVSAC). The NSVSAC is a coalition of law enforcement, health care, substance abuse treatment and recover service providers, advocacy organizations and families impacted by substance abuse and addiction in the Winchester region.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Digi-Time – DOCSL and TAL Replacement Project

Agency: Department of Corrections (DOC)

Secretariat: Public Safety and Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

The overall process for time tracking and attendance, scheduling, and leave management is manual and paper-based often resulting in incorrect time calculations and annual leave compliance issues. Different institutions have different processes for capturing arrival and departure times, which leads to inconsistent policy compliance. Significant time is spent auditing, tracking errors and correcting errors by local HR personnel and supervisors as well as HQ payroll personnel. The Digi-Time - DOCSL and TAL Replacement Project is designed to correct these issues.

Project Scope:

- In Scope
 - o Replace DOCSL in all facilities and institutions throughout VADOC
 - o Replace TAL at Atmore Headquarters and Community Corrections
 - o Select software and hardware vendor
 - o Implement software and hardware
 - o Interface into existing payroll system (or Cardinal Payroll –See Out of Scope)
 - o Interface to HR Database for personnel data
 - o Interface to Data Analytics Tool (BI & Analytics)

- Out of Scope
 - o Cardinal Payroll System Interface (this will be part of the Cardinal Payroll Project unless Cardinal Payroll has been implemented prior to implementation of the time, attendance, leave, and scheduling system)
 - o PMIS replacement and processes related to PMIS
 - o HR Database replacement

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Digitize Bridge Inspection Reports Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Investment Business Case Approval

Project Description:

VDOT needs to select and implement a modern, automated inspection software tool that efficiently captures key data, streamlines workflows, integrates data across key systems, and accelerates development of reports and analysis.

Project Scope:

VDOT needs to select and implement a modern, automated inspection software tool that efficiently captures key data, streamlines workflows, integrates data across key systems, and accelerates development of reports and analysis.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: DMV Project 2016: DMV IRP/IFTA/CView Solution

Agency: Department of Motor Vehicle (DMV)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

This project acquires an integrated system for the effective delivery of the International Registration Plan (IRP), the International Fuel Tax Agreement (IFTA), and the Commercial Vehicle Information Exchange Window (CVIEW) system.

Project Scope:

The scope of this project includes the acquisition, implementation and subsequent maintenance of a comprehensive Federal Motor Carrier Safety Administration (FMCSA), Commercial Vehicle Information Systems and Networks (CVISN) compliant, Commercial Vehicle Information Exchange Window (CVIEW) system, or CVIEW equivalent, for exchange of data within the state, and connection to Safety and Fitness Electronic Records (SAFER) for exchange of interstate data through snapshots, hereinafter referred to as the CVIEW system.

The system that will allow for the processing of commercial vehicle apportioned registration under the International Registration Plan (IRP), and reporting functionality for motor carriers under the International Fuel Tax Agreement (IFTA), as well as IRP/IFTA related audit functions, hereinafter referred to as the IRP/IFTA system.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: DMV Project 2019: Remittance Processing System (RPS) Re-Platform

Agency: Department of Motor Vehicle (DMV)

Secretariat: Transportation

Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-platform the DMV Remittance Processing System application to a cloud based solution.

Project Scope:

DMV will replace its current RPS system by utilizing the existing OnBase document scanning solution at DMV. The current system is approaching end of life and needs to be replaced. The new system will continue to scan coupons that customers send to DMV via postal mail. Those coupons and checks will be scanned and deposited through this new system just as they are today. DMV will look to improve efficiencies where possible.

This project will require DMV to separately purchase scanning software and scanners via IFB, and will utilize our existing contract with Databank for them to integrate remittance scanning within the existing OnBase document imaging solution at DMV.

Mail is received and opened in the RPS Work Center. The mail is manually sorted by the staff in the RPS Work Center. Work with visible issues to the staff will be sent to the appropriate work center and be processed manually, completely outside the new RPS solution. Following visual inspection, clean work will be run and captured on the scanning device. Host emulation is supported via a VADMV developed web service to check on the status eligibility of the account and take the necessary action from there as defined in further detail below. Image cash letter (ICL) will be supported through this project. Reports will be made available from the system to show rejected items and to assist with balancing and reconciling the deposits.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: DMV Project 2019: Convert Mainframe File Transformers

Agency: Department of Motor Vehicle (DMV)

Secretariat: Transportation

Investment Status: Investment Business Case Approval

Project Description:

Convert all mainframe file transfers to MoveIT. All data exchanges are encrypted and approved by the DMV CISO. DMV's MFT service has the capacity to interact with virtually all aspects of the agency's technical applications. The files are being moved to support multiple business processes that require the DMV mainframe to be updated to complete business processes. We are moving the data exchanges from being directly managed by the mainframe for a number of reasons: greatly enhanced security (detailed logging, in line antivirus/anti-malware scanning, comprehensive account management tools, etc.); central port for logging and access management.

Project Scope:

Convert existing and identified file transfers to agency's MoveIT application. There are various file exchanges that are needed for internal business processes and external vendor partners. As we migrate each exchange over, we are updating our documentation to ensure we have a collective repository for all data exchanges to and/or from the mainframe. DMV's MFT services are primarily SFTP port 22. All data exchanges are encrypted and approved by the DMV CISO. DMV's MFT service has the capacity to interact with virtually all aspects of the agency's technical applications. The files are being moved to support multiple business processes that require the DMV mainframe to be updated to complete business processes. We are moving the data exchanges from being directly managed by the mainframe for a number of reasons: greatly enhanced security (detailed logging, in line antivirus/anti-malware scanning, comprehensive account management tools, etc.); central port for logging and access management.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Department of Justice (DOJ) Licensing System

Agency: Department of Behavioral Health and Developmental Services (DBHDS)

Secretariat: Health and Human Resources

Investment Status: Investment Business Case Approval

Project Description:

Under the terms of the Federal Department of Justice settlement agreement, the Department of Behavioral Health and Developmental Services (DBHDS) must collect and report data relating to compliance with the agreement. DBHDS must purchase or develop a licensing system for the storage, aggregation, and reporting of this data.

Project Scope:

Procure and customize a Licensing Commercial off the Shelf (COTS) product to support newly re engineered Licensing process (required by the Federal Department of Justice (DOJ) settlement aimed at providing consumer services in the least restrictive environment.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: eGovernment Self Help Expansion My Virginia TAX

Agency: Department of Taxation (TAX)

Secretariat: Finance

Investment Status: Investment Business Case Approval

Project Description:

My Virginia TAX is the Department's version of "My Account" which will allow taxpayers (individuals and businesses) to access their data/information online with the use of a more robust single sign-on/ authentication portal with security questions to allow for self-service when they forget their password. Today TAX maintains multiple systems with multiple Login entry points. Taxpayers have long complained about not being able to go one place on our website to access our online systems. The My Virginia TAX concept would include an improved version of the functionality we provide today, as well as provide new functionality that is not there today. Taxpayers would be able to electronically file and pay any tax. Taxpayers would be able to access a complete history of their account including past filings, payments made, refunds issued (including Where's My Refund status while pending), correspondence that was sent assessments/bills pending (and paid).

Project Scope:

My Virginia TAX is the Department's version of "My Account" which will allow taxpayers (individuals and businesses) to access their data/information online with the use of a more robust single sign-on/ authentication portal with security questions to allow for self-service when they forget their password.

Today TAX maintains multiple systems with multiple Login entry points. Taxpayers have long complained about not being able to go one place on our website to access our online systems.

The My Virginia TAX concept would include an improved version of the functionality we provide today, as well as provide new functionality that is not there today.

Taxpayers would be able to electronically file and pay any tax.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Electronic Health Records

Agency: Department of Juvenile Justice (DJJ)

Secretariat: Public Safety and Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

DJJ requests the implementation and operation of an EHR system at DJJ residential facilities. This project covers the implementation of an Electronic Health record for DJJ. The full scope of the project will cover the initiation (to include RFP), training, implementation, and the initial years covered by the EHR contract. An electronic medical record will improve the efficiency and operations of the medical unit serving all residential juveniles. This will enable DJJ to provide the same level of care as outside of a correctional institution.

Project Scope:

This project covers the implementation of an Electronic Health record for DJJ. The full scope of the project will cover the initiation (to include RFP), training, implementation, and the initial years covered by the EHR contract.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Electronic Healthcare Records

Agency: Department of Corrections (DOC)

Secretariat: Public Safety and Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

Through the implementation of the VADOC EHR solution, the agency will be able to realize improvements in service delivery, greater accessibility of data and data sharing, improved communications and collaboration across the medical services staff, and greater coordination of care. Currently, offender health records are either kept on paper or in an information system which is not integrated with CORIS. VADOC relies on manual processes and paper forms for the delivery, management, and administration of all offender health services. These manual processes are less effective and efficient than would be the case with an EHR. A successful implementation of the VADOC EHR will institute private industry best practices in our electronic information and data exchange, resulting in greater efficiencies in the administration, services, and processes of the agency. While an EHR implementation at the VADOC is a new endeavor for the agency, it has quickly become a standard in the medical industry.

Project Scope:

Create an Electronic Health Records solution that will interface with VirginiaCORIS (the DOC Offender Management System). The solution will replace the existing paper health record for offenders, and automate the process for health records

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Enterprise Electronic Procurement Solution 2019

Agency: Department of General Services (DGS)

Secretariat: Administration

Investment Status: Investment Business Case Approval

Project Description:

Project will support the implementation resulting from the competitive procurement (RFP) of an Enterprise Electronic Procurement Solution. Improve user experience for the requisitioning process that reinforces purchasing entity policies. Improve catalog marketplace. Increase number of COVA public bodies and their suppliers that use eVA and decrease implementation time. Increase the number of electronic transactions/communication between businesses and the COVA. Implement electronic invoicing from vendors for purchase orders. Improve collaboration and data exchange across public entities. Improve data we make publicly available.

Project Scope:

Improve user experience for the requisitioning process that reinforces purchasing entity policies. Improve catalog marketplace. Increase number of COVA public bodies and their suppliers that use eVA and decrease implementation time. Increase the number of electronic transactions/communication between businesses and the COVA. Implement electronic invoicing from vendors for purchase orders. Improve collaboration and data exchange across public entities. Improve data we make publicly available.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: EO19 DCJS Grants Management Information System Repurchase

Agency: Department of General Services (DGS)

Secretariat: Administration

Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will update the DCJS grants management information system.

Project Scope:

This project will include updating the existing Grants Management Information System software and any systems that currently interact with it. Any system that does not currently interact with GMIS, with the exception of Cardinal and any federal government grant systems, is out of scope.

This Department of Criminal Justice Services (DCJS) EO19 compliant project will update the legacy Grants Management Information System software with a COTS cloud solution that can be configured to be a fully functional online system for prospective agency grantees to submit and track their applications throughout grant life cycle which includes application submission, award process and post award activities. Once completed this new system will be a “full service” grant system for both internal and external users, covering grants from notice of available funds to closeout and allowing DCJSC staff to monitor this process.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: EO19 DEQ Aggregate Rehost

Agency: Department of Environmental Quality (DEQ)

Secretariat: Natural Resources

Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host 17 DEQ applications.

Project Scope:

According to Executive Order 19, which requires VITA to adopt a model for evaluating and incorporating cloud services into the commonwealth's information technology (IT) strategy and services, the scope for this project includes re-hosting the applications mentioned in the BRT dependencies as they are cloud ready and just needs to move to a virtual server.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: EO19 DOA Cardinal Rehost

Agency: Department of Accounts (DOA)

Secretariat: Finance

Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will move the DOA Cardinal application to the cloud.

Project Scope:

The Cardinal Cloud migration project rehosts the Cardinal web, application, and database tiers to Oracle Cloud Infrastructure (OCI) at Oracle's GovCloud data center. Cardinal processing will utilize the Oracle VM and Exadata services. Job scheduling (CTRL-M) and agency interface processing (Move-IT) will remain on-premises. Performing the migration in 2019 provides a window of opportunity that will not impact the Cardinal HCM project schedule. Executing the migration beginning in 2020 or 2021 would delay HCM implementation and pose a grave risk to payroll processing.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: EO19 DSS ADAPT RO (Read Only)

Agency: Department of Social Services (DSS)

Secretariat: Health and Human Resources

Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-platform the DSS Adapt RO application to a cloud based solution.

Project Scope:

This project is part of Executive Order 19 and will re-platform the DSS Adapt RO application to a cloud based solution.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: EO19 DSS Automated Program to Enforce Child Support (APECS)

Agency: Department of Social Services (DSS)

Secretariat: Health and Human Resources

Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host the DSS Automated Program to Enforce Child Support application.

Project Scope:

This project is part of Executive Order 19 and will re-host the DSS Automated Program to Enforce Child Support application.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: EO19 DSS Background Investigation System (BIS)

Agency: Department of Social Services (DSS)

Secretariat: Health and Human Resources

Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host the DSS Background Investigation System (BIS) application.

Project Scope:

This project is part of Executive Order 19 and will re-host the DSS Background Investigation System (BIS) application.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: EO19 DSS Central Registry System (CRS)

Agency: Department of Social Services (DSS)

Secretariat: Health and Human Resources

Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host the DSS Central Registry System (CRS) application.

Project Scope:

This project is part of Executive Order 19 and will re-host the DSS Central Registry System (CRS) application.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: EO19 DSS Data Warehouse (DW)

Agency: Department of Social Services (DSS)

Secretariat: Health and Human Resources

Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host the DSS Data Warehouse (DW) application.

Project Scope:

This project is part of Executive Order 19 and will re-host the DSS Data Warehouse (DW) application.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: EO19 DSS Document Management Imaging System (DMIS)

Agency: Department of Social Services (DSS)

Secretariat: Health and Human Resources

Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host the DSS Document Management Imaging System (DMIS) application.

Project Scope:

This project is part of Executive Order 19 and will re-host the DSS Document Management Imaging System (DMIS) application.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: EO19 DSS Online Automated Services Information System (OASIS)

Agency: Department of Social Services (DSS)

Secretariat: Health and Human Resources

Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host the DSS Online Automated Services Information System (OASIS) application.

Project Scope:

This project is part of Executive Order 19 and will re-host the DSS Online Automated Services Information System (OASIS) application.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: EO19 TAX Aggregate ReHost

Agency: Department of Taxation (TAX)

Secretariat: Finance

Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host 19 TAX applications.

Project Scope:

In support of EO19 TAX is seeking approval to procure the resources needed to progress towards the desired goal of cloud readiness for the systems identified in the cloud readiness addendum.

TAX will utilize and procure resources to refactor/re-architect/remediate systems where possible to ensure cloud readiness. In some cases additional analysis and a more complex/costly solution may be required to achieve the goal of cloud readiness, which may affect the existing cost estimate. Additionally, there may be instances after additional analysis, research, development and testing where cloud readiness may not be an option.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: EO19 VDH Aggregate ReHost

Agency: Department of Health (VDH)

Secretariat: Health and Human Resources

Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host 38 VDH applications.

Project Scope:

This project is part of Executive Order 19 and will re-host 38 VDH applications.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: EO19 VDH CHAAMPS ReHost

Agency: Department of Health (VDH)

Secretariat: Health and Human Resources

Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host the VDH Child and Adult Application & Meal Payment System (CHAAMPS) application.

Project Scope:

This project is part of Executive Order 19 and will re-host the VDH Child and Adult Application & Meal Payment System (CHAAMPS) application.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: EO19 VDOT SharePoint InsideVDOT Repurchase Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host the VDOT SharePoint InsideVDOT to SharePoint online.

Project Scope:

Re-architect and re-host to SharePoint online.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: EO19 VDOT SharePoint OutsideVDOT Repurchase Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host the VDOT SharePoint OutsideVDOT to SharePoint online.

Project Scope:

Re-architect and re-host to SharePoint online.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: E-Summons Pilot Project

Agency: Department of State Police (VSP)

Secretariat: Public Safety and Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

The purpose is to implement a pilot e-Summons system in Division 7. This is a new system as there is not a current e-Summons system in use. The pilot will include a report back to the General Assembly. Based on the results of this effort, a state-wide rollout is possible.

Project Scope:

Implement a pilot e-Summons system in Division 7, Fairfax and Prince William Counties (Areas 9, 11, 45, and 48). This is a new system as there is not a current e-Summons system in use. Tyler Technologies will provide the equipment and e-Summons system. End users will begin using the e-Summons system in April, 2019. The pilot will include a report to the General Assembly based upon six months of usage. Based on the results of this effort, a state-wide roll out is possible.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Firearms VCheck 2.0

Agency: Department of State Police (VSP)

Secretariat: Public Safety and Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

This project will upgrade the Firearms VCHECK Criminal Background Check System.

Project Scope:

The Virginia State Police Firearms Transaction Center (FTC) certifies that all records of persons denied the purchase of a firearm(s) due to the misdemeanor crime of domestic violence (MCDV) are already submitted to the National Instant Criminal Background Check System (NICS). In 2017, the FTC directly entered 487 domestic violence records in to the NICS Indices, and have entered 180 in 2018. Currently, Virginia maintains 1,356 records in the NICS Indices under the prohibiting category of MCDV. This procurement will upgrade the Firearms VCHECK Criminal Background Check System in the following ways:

- Upgrade information and identification technologies for firearms eligibility determinations.
- Supply accurate and timely information to the Attorney General concerning the identity of persons who have a federally prohibiting mental health adjudication or commitment.
- Create electronic systems that provide accurate and up-to-date information directly related to checks under the NICS, including court disposition and corrections records.
- Supply accurate and timely information to the Attorney General concerning final dispositions of criminal records to databases accessed by NICS.
- Supply accurate and timely court orders and records of misdemeanor crimes of domestic violence for inclusion in federal and state law enforcement databases used to conduct NICS background checks.
- Supply accurate and timely records of federal firearms disqualifications for inclusion in federal and state law enforcement databases used to conduct NICS background checks.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Implement Banner XE Project

Agency: Virginia State University (VSU)

Secretariat: Education

Investment Status: Investment Business Case Approval

Project Description:

This project will upgrade the existing Banner ERP system and modules to the latest version. This will allow VSU to continue to run business operations and support services for faculty, staff, and students.

Scope:

The Banner ERP system consists of various functional modules such as General, Student, Human Resources, etc. Most of them can be purchased and implemented separately. A large segment of the Banner customer base is higher education. This project will migrate all current modules from Banner 8 to Banner XE.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Inmate Phone & Tablet Services Project

Agency: Department of Corrections (DOC)

Secretariat: Public Safety & Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

Install and maintain an IT network that would enable the DOC offenders to place telephone calls, in addition to offenders utilizing kiosks and tablets for services such as learning, training, scheduling, commissary ordering, banking, secured messaging, music, law library, and E-books. This contract will be for the period of seven (7) years.

Project Scope:

The purpose of this project is to establish a contract with one company through competitive negotiations for inmate telephone services at the Virginia Department of Corrections (DOC) and the Department of Juvenile Justice (DJJ), for the implementation of tablet services, along with the ability to make electronic deposits to inmate trust accounts at DOC facilities.

The DOC currently has a contract with Global Tel Link, with no renewals remaining, for inmate telephone services and a contract with JPAY, for kiosks and tablets; the JPAY contract allows offenders to purchase media players and then to purchase and download music, games, and secured messaging services onto the media devices; the contract with JPAY has one renewal remaining, allowing the DOC to renew the contract until December 14, 2018. The DOC currently has a contract with Keefe, with no renewals remaining, for commissary services, and the DOC is in the process of establishing a new contract for commissary services. The scope of this project will include the services that JPAY currently providing to the DOC.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: JS Exhibit Renovation Technology

Agency: Jamestown-Yorktown Foundation

Secretariat: Education

Investment Status: Project Initiation Approval

Project Description:

Planning and replacement of technology components in permanent museum galleries. Includes audio visual equipment such as projectors, monitors, touch panels, software, controllers, and related installation. This technology is essential to the museum operations.

Project Scope:

This project will involve vendor selection, concept development, design, installation and 24-month maintenance of technology components in the permanent museum galleries of Jamestown Settlement to create an updated, energetic and contemporary visitor experience that refreshes the current stories and further explores key themes in the history and cultures of Jamestown. Expected completion is Q1 2020.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Local Employee HR Tracking System (LETS) Replacement

Agency: Department of Social Services (DSS)

Secretariat: Health and Human Resources

Investment Status: Investment Business Case Approval

Project Description:

The Local Employee Tracking System (LETS) replacement system will implement a software-as-a-service subscription solution to administer personnel merit and pay practices including: compensation planning, position classification, employee transaction information, and management reporting for 120 local departments of social services (LDSS). The data in LETS is used by Virginia Department of Social Services for a variety of purposes including: monitoring human resource transactions at the local level, classification and compensation studies, recruitment and selection, joint-cost count and random moment sampling.

Project Scope:

The LETS replacement solution will administer personnel merit and pay practices for 120 Local Departments of Social Services (LDSSs). It will enable VDSS divisions to meet their Federal and/or State requirements of completing Random Moment Sampling (RMS), reconciling staffing data in LETS with monthly reimbursement of administrative expenditures, information security access, VDSS information system inventory support, and planning of mandated training.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Medicaid Enterprise System (MES) Program

Agency: Department of Medical Assistance Services (DMAS)

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

The Department of Medical Assistance Services (DMAS) is replacing its existing Medicaid Management Information System (MMIS) and transforming to a Medicaid Enterprise System (MES).

The MMIS is the mechanized claims processing and information retrieval system which states are required to have by the Centers for Medicare & Medicaid Services (CMS). The contract to operate Virginia's MMIS (VAMMIS) ends June 30, 2018. This represents the end of the fourth and final option year that is expected to be exercised on top of the initial four year contract period, or a total of eight years. Virginia must begin the procurement process to replace VAMMIS and acquire a new system so it can continue to:

- Enroll recipients and providers
- Process claims
- Pay the providers, Managed Care Organizations (MCOs) and Administrative Services
- Organizations (ASOs) that deliver services to members

The CMS requires that the Single State Medicaid agency (DMAS) must operate a federally-certified Medicaid program in order to qualify for federal financial participation. The current VAMMIS system must be replaced to ensure that Virginia will continue to receive the maximum federal funding for its Medicaid program. Virginia received approximately \$4.5 billion in federal funding in State Fiscal Year (SFY) 2015.

Project Scope:

The key objectives identified for the new MES include:

- Continue the development of the Eligibility & Enrollment (E&E) enhancement to address all existing members and to integrate with additional intrastate systems, such as the Commonwealth Authentication System (CAS)
- Develop a data warehouse that improves the breadth and quality of data available and provides the information needed to manage, operate, measure and improve the Medicaid Enterprise
- Transform the traditional Medicaid Management Information System (MMIS) to a modern Medicaid Enterprise System, including:
 - Pursuing a modular approach to specific business needs where cost-effective robust solutions can easily be integrated, possibly in areas such as claims processing, financial management and pharmacy benefits

Appendix C – 2019 Major IT Project Descriptions

- Identifying ways to further automate and integrate business processes that were not traditionally part of an MMIS but are components of the MES, such as managing member and provider appeals and contractor management
- Creating provider and member portals that support the ‘one stop shop’ objective and improve information access and service for all Medicaid related needs
- Supporting exchanges with federal, State and other entities, including the Health Insurance Exchange (HIX) and Health Information Exchange (HIE)
- Expanding the automation and decision making associated with business processes where feasible and cost-effective
- Establish a technical architecture that supports the CMS and DMAS vision for current and future services and performance, including items such as Service Oriented Architecture (SOA), an enhanced content management system that includes reports produced by our business partners, and supporting a variety of user-friendly methods to access information and services in an environment that is scalable, cost-effective, and easily changed and supports innovation and experimentation
- Enhance provider enrollment and management to address the multiple relationships providers have with DMAS and its business partners, such as managed care organizations (MCOs)
- Collect and integrate all fee-for-service claims in a single repository
- Address encounter processing in a manner that recognizes the variety of managed care models and programs, such as risk-based versus administrative services only (ASO)
- Collect clinical data for fee-for-service claims to better measure health outcomes and populate electronic health records (EHR)
- Adhere to the MITA seven standards and conditions

The program is sponsored by CMS and DMAS’s Agency Director. MES stakeholders include the DMAS Executive Management Team. The goal is to transition to a modern MES with no disruption in service.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Medicaid Enterprise System (MES) Program Data Warehouse

Agency: Department of Medical Assistance Services (DMAS)

Secretariat: Health & Human Resources

Investment Status: Project Initiation Approval

Project Description:

This is a component project within the DMAS MES Program. The data warehouse solution will provide the DMAS Agency with the ability to accomplish improved business operations through data integration, creation of data quality standards, data and business process documentation, creation of a repeatable framework, and increased security.

The RFP will present the requirements with the expectation that vendor solutions will integrate existing software components that require little or no development and where the development and implementation of business requirements is primarily configuration and testing. The business requirement is to create a single source of truth for a historical data storage.

Project Scope:

The scope of the Data Warehouse project is to seek professional services support from a vendor to implement an entire data warehouse solution from start to finish, including design, development and integration.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Medicaid Enterprise System (MES) Encounter Processing

Agency: Department of Medical Assistance Services (DMAS)

Secretariat: Health & Human Resources

Investment Status: Project Initiation Approval

Project Description:

This is a component project within the DMAS MES Program. The objective is to develop an in-house DMAS solution for processing encounters (an encounter is a unit of service between a beneficiary and a provider) from managed care and administrative services contractors. The system will give DMAS more control over the processing approach and schedule for encounters, and will segregate that processing from the fee-for-service claims system.

The EPS will validate and process encounters. Encounter processing status and results will be captured and made available to submitters and business owners. Encounters will be loaded to the Enterprise Data Warehouse Solution (EDWS) and available for analysis and reporting.

The encounter processing solution will incorporate a Business Rules Engine (IBM Operational Decision Manager (ODM)) to support a configurable approach to defining edits, which will make future changes more efficient (quicker and less expensive). By hosting and maintaining the EPS, DMAS will significantly reduce the cost of operating the EPS in the years to come, as well as avoid the need to reprocur the EPS in the future.

Project Scope:

The encounter processing solution will accept encounters from the EDI translation process (gateway) and validate the records using a configurable business rules engine. Business rules will be definable by managed care program, such as Medallion 3.0, dental, and behavioral health.

The major components of the EPS project are:

- Proof of Concept (POC) of the Business Rules Engine (BRE) and Compliance Tools
- Creating Hardware and Software Environments
- Clarifying and finalizing requirements
- Design, develop and configure, test and implement EPS processing for the following tracks:
 - Managed Long Term Support Services (MLTSS)
 - Consumer Directed (CD) Services
 - Commonwealth Coordinated Care (CCC)
 - Behavioral Health
 - Medallion 3.0
 - Dental
 - Non-emergency transportation

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Medicaid Enterprise System (MES) Program Fee for Service and Core Processing

Agency: Department of Medical Assistance Services (DMAS)

Secretariat: Health & Human Resources

Investment Status: Project Initiation Approval

Project Description:

This is a component project within the DMAS MES Program. The MES Fee-for-Service and Core Processing addresses many of the business requirements that will comprise the MES solution, as mandated by CMS through the MITA 3.0 Framework. A RFP is required to replace and transform the system and services provided in the current MMIS contract. The specific requirement is to acquire a solution addresses the needs of several business areas:

- Business Relationship Management
- Care Management
- Eligibility and Enrollment Management
- Financial Management (limited)
- Member Management
- Operations Management
- Performance Management
- Plan Management
- Provider Management

Project Scope:

The scope of this project is to solicit proposals from vendors to provide the MES Fee-for-Service and Core Processing solution, which includes implementing a system and preparing to perform operational processes.

The selected vendor will integrate existing software components that require little or no development so that the development and implementation of business requirements is primarily configuration and testing.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Medicaid Enterprise System (MES) Program Financial Management

Agency: Department of Medical Assistance Services (DMAS)

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

This is a component project within the DMAS MES Program. The MES Financial Management RFP addresses many of the financial business requirements that will comprise the MES solution, as mandated by CMS through the MITA 3.0 Framework and the CMS Seven Conditions and Standards. This will be a COTS or SaaS solution. The project will deliver:

- Accounts Receivable Management
- Accounts Payable Management
- Fiscal Management
- Payment and Reporting (limited)

DMAS recognizes that the MITA Seven Conditions and Standards must be adhered to in order to be eligible for enhanced match funding. CMS also requires the FMS to be certifiable according to the CMS Medicaid Enterprise Certification Toolkit (MECT) checklists and the Independent Verification and Validation (IV&V) assessments conducted by Ernst & Young throughout DDI, which is targeted for mid-year 2018.

Where possible, the FMS Solution will leverage existing technologies, such as the DMAS EDI investment. The FMS will successfully connect to other MES modules, such as ISS and EDWS. Additionally, the FMS solution will successfully connect to critical systems, such as Cardinal, the statewide accounting system. The new FMS must incorporate modularity standards to enable it to successfully adapt to changes in technology and infrastructure. The FMS will be available 24/7/365 and will maintain the highest levels of data security, as stated in VITA and MITA 3.0 standards. The new FMS will support Financial Accounting and Reporting functions, General Ledger functions, and the following MITA 3.0 Framework business processes:

The new FMS solution will benefit stakeholders and users by providing secure and reliable data with accurate and timely results. The deficiencies in the existing financial environment will be addressed with the efficient and technologically advanced COTS or SaaS. The improved efficiencies in the financial processes will contribute to improved Medicaid program administration and tracking/reporting.

Appendix C – 2019 Major IT Project Descriptions

Project Scope:

The scope of deliverables for the new FMS will include Financial Accounting and Reporting functions, General Ledger functions, and the following MITA 3.0 Framework business processes:

1. FM01: Manage Provider Recoupment
2. FM02: Manage TPL Recovery
3. FM03: Manage Estate Recovery
4. FM06: Manage Accounts Receivable Information
5. FM07: Manage Accounts Receivable Funds
6. FM09: Manage Contractor Payment
7. FM13: Manage Accounts Payable Information
8. FM14 : Manage Accounts Payable Disbursement
9. FM15: Manage 1099
10. FM16: Formulate Budget
11. FM17: Manage Budget Information
12. FM18: Manage Fund
13. FM19: Generate Financial Report
14. OM14: Generate Remittance Advice

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Medicaid Enterprise System (MES) Program Integration

Agency: Department of Medical Assistance Services (DMAS)

Secretariat: Health & Human Resources

Investment Status: Project Initiation Approval

Project Description:

This is a component project within the DMAS MES Program. The purpose of the ISS project is to contract with a contractor who will provide a solution that will provision a self-contained, SOA-based communication broker, which provides several functionalities that are listed below, but not limited to:

- Communication Services
- Document Transfer Services
- Document Management Services
- Information Exchange Services
- File Transfer Services
- Data Transfer Services
- Information Viewing Services.

The solution will serve as a hub to integrate various modules that will be implemented under each of the projects listed below. In addition the ISS project will provision a Single Sign On (SSO) and Identity Management solution for the Agency. These modules are:

- Core Services Solution (CSS)
- Enterprise Data Warehouse Solution (EDWS)
- Financial Management Solution (FMS)
- Pharmacy Benefit Management Solution (PBMS).

Project Scope:

The ISS project a self-contained, SOA-based communication broker with the capability to provide all of the required services. A change management process and implementation for the program.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: MES Enterprise Content Management

Agency: Department of Medical Assistance Services (DMAS)

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

DMAS intends to establish FileNet ECM in support of the MES Program and Medicaid Expansion. DMAS currently has a contract with a vendor that provides ECM services for Medicaid processing. The vendor, Conduent, utilizes the IBM FileNet product hosted on-premise at the vendor datacenter. That contract is ending and DMAS is seeking to migrate to a FileNet on Cloud. Migrating from the on-premise FileNet to the cloud-based FileNet will simplify the migration versus moving to another ECM solution. DMAS is working in close coordination with VITA to implement the Medicaid Enterprise System (MES) program that is modernizing Virginia Medicaid services. The ECM solution will provide content services for the MES program. DMAS needs to begin using the ECM service by December 2018

Project Scope:

DMAS will define the business requirements for ECM, and will develop the ECM technology solution. The DMAS MES project scope includes hardware, software, infrastructure, data conversion, (if needed) integration with all of the MES modules, and user training. The near-term need is for meeting the MES component and Medicaid Expansion needs; longer-term opportunities include extensive data capture and enterprise image management. The challenge will be to quickly develop a FileNet solution to meet our short-term need while simultaneously developing a solution that can be readily expanded for enterprise functions at a later date.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Messaging Services Project

Agency: Virginia Information Technologies Agency (VITA)

Secretariat: Department of Technology

Investment Status: Project Initiation Approval

Project Description:

This project transitions from the legacy messaging and directory services provider(s) to Tempus Nova, the messaging services supplier for email, enterprise collaboration services, and mobile device management for the required Commonwealth 55,000+ users and other public bodies. The project will be complete when VITA has transitioned to the ongoing Operations and Support mode with the winning supplier.

Project Scope:

The high level scope of the project entails the procurement and implementation as part of the IT Sourcing Strategy Program (ITSSP) of mission critical Messaging, Enterprise Collaboration and Mobile Device Management (MDM) Services, transitioning the new services to ongoing operations and maintenance and disentanglement from Northrop Grumman.

VITA awarded the contract for email and related messaging services to Tempus Nova, a Small, Women-owned and Minority-owned (SWaM) certified business, specializing in Google solutions.

Tempus Nova will provide a flexible solution offering a variety of choices for agencies, including options for continued use of existing email software and unlimited storage. The request for proposal (RFP) included email, enterprise collaboration services, directory services and authentication, and mobile device management. No proposals were received for directory services. These services will be addressed in subsequent RFPs.

Tempus Nova recommends a phased approach, which is endorsed by the Google Deployment Team as a best practice and results in a more successful transition to the Google Apps solution. Tempus Nova recommends three phases (e.g., Phase I Core IT; Phase II Early Adopters; Phase IIIa, IIIb, and IIIc Remaining Users) well planned deployment phases, each addressing a specific group of users: Core IT, Early Adopters, and Remaining Users.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Multisourcing Service Integrator Services

Agency: Virginia Information Technologies Agency (VITA)

Secretariat: Department of Technology

Investment Status: Project Initiation Approval

Project Description:

VITA plans to establish a multi-provider sourcing model, or integrated services platform to deliver certain IT services to VITA and the other Customers within its IT environments. This project will work toward the common goal of providing uninterrupted, secure, high quality services to Customers dependent on VITA's multi-supplier environment, ensure MSI and Service Tower Suppliers (STS) perform their services and interact and cooperate with each other within the Managed Environment in a manner that first considers the best interests of the Commonwealth, is grounded in the Information Technology Infrastructure Library (ITIL) framework and focused on accountability, boundaries, and consistency while maturing delivery through continual improvements in cost effectiveness, service quality and Customer experience, replaces the existing cross-functional services provided to the Commonwealth by the Comprehensive Infrastructure Agreement (CIA), and supports ITISP Relational Governance and implements highly effective Operational Governance.

Project Scope:

The CIA the commonwealth has with Northrop Grumman is ending in 2019. This investment is specific to MSI services that will replace the current CIA. The intent is to replace the incumbent with the Multi sourcing integer and multiple service tower providers. The scope is to replace the current environment with at least the equivalent from a new supplier.

Who: The supplier will be determined when VITA awards the contract for Multi sourcing Integrator Services.

What: The supplier will provide a solution to replace the incumbent environment. They will provide tools, training, reporting, and management of vendor service towers. The high level project scope will include the following: transition Service Management Practices, implement Program Management, transition and implement Service Strategy, implement Service Design, implement Service Transition, transition Service Operation, implement Continual Service Improvement, transition and implement the Security Plan.

Where: VITA resources will perform project work in Chester, Richmond, and South West VA. Supplier resources will perform work both at VITA Chester Richmond, and South West locations. The vendor may work from anywhere in the United States that will have remote access.

When: The project is scheduled to commence January 2, 2018 through the end of project close-out December 31, 2022 with the possibility of two 2 year extensions.

Why: With the approaching expiration of the Comprehensive Infrastructure Agreement (CIA)'s term in June 2019, continued evolution of marketplace offerings, and enterprise-wide frustrations with service delivery, VITA has implemented a program to develop a next generation sourcing strategy. The IT Sourcing Strategy Program (ITSSP) was designed to examine all factors of the Commonwealth's current infrastructure services delivery model and provide recommendations that would position VITA to more effectively support the Commonwealth's future technology needs.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Network Infrastructure Upgrade

Agency: Virginia State University (VSU)

Secretariat: Education

Investment Status: Project Initiation Approval

Project Description:

New access switches will be installed in student and faculty buildings. The new access switches will connect to new core via new standard Repeat Cycle Replace switches/patch cable.

In addition to purchasing and installing of the following equipment according to the plan of action and milestones. The project will be completed in 3 Phases

Phase 1: Configure software and Stage Equipment in the Data Center

Phase 2: Configure and Upgrade equipment that will housed within campus dorm building:.

Phase 3: Configure and Upgrade equipment that will housed within campus faculty buildings:

Project Scope:

The VSU Network Refresh project team will implement a network infrastructure that will provide a wider wireless internet access range and more stable and scaleable network environment. The project will consist of replacing non supported and outdated infrastructure equipment in the data center, replacing switches and adding wireless access points in dorm and faculty buildings throughout the VSU campus, which includes faculty and student buildings and outdoor internet access. The project will be completed in a 3 phase approach over three years and will provide our faculty and students with anytime and anyplace secure access to personal files, class files, shared files, instructional and learning materials, and related resources.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: OneMind Cerner millennium Replacement Project

Agency: Department of Behavioral Health and Development Services (DBHDS)

Secretariat: Health and Human Services

Investment Status: Project Initiation Approval

Project Description:

Replacement of the OneMind Cerner Soarian Electronic Health Record (EHR) with the Cerner Millennium EHR using the VITA Statewide contract. Cerner is actively partnering with current Soarian customers to replace Soarian with the Millennium platform, that is hosted by Cerner. OneMind is the DBHDS branded approach to providing EHR functionality to our facilities. Currently, OneMind is fully implemented in three hospitals, while a fourth uses it for pharmacy only. The project will extend the use of OneMind to more hospitals, and convert current hospital users from Soarian to Millennium, all while providing ongoing Tier 2 technical support to all end users; testing and deploying software updates, and any vendor required system updates.

Project Scope:

When DBHDS first installed the OneMind Soarian EHR it was provided by Siemens. Cerner acquired Siemens in 2015 and began migrating customers to the replacement Cerner Millennium product. Replacing Soarian with Millennium will allow DBHDS to keep business critical technology aligned with the state EHR vendor's support and enhancement model. The scope will include replacing the 3 facilities that are live on Soarian with Millennium, and implementing OneMind Millennium EHR at the facilities.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Pharmaceutical Services
Agency: Department of Corrections (DOC)
Secretariat: Public Safety and Homeland Security
Investment Status: Project Initiation Approval

Project Description:

VADOC seeks to implement an online pharmacy ordering system that would interface with the electronic health records (EHR) system.

Project Scope:

This project is estimated at \$46,000,000; Only \$700,000 is estimated for the IT portion of the project. The cost for services will be \$9,000,000 annually; with five (5) year contract \$45,000,000.

VADOC seeks to have the contractor implement an online pharmacy ordering system that would interface with the electronic health records (EHR) system that the DOC is in the process of establishing a contract for and intending to implement at six DOC women's facilities in the very near future. The proposed ordering system also would interface with the Virginia Corrections Information Systems (VirginiaCORIS). VirginiaCORIS is the offender management system (OMS) that the VADOC uses to manage its offender population.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Programs and Services Project

Agency: Department of Criminal Justice Services (DCJS)

Secretariat: Public Safety and Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

This project will improve the DCJS Victims Services Grant Programs administration by implementing a technology solution that automates the Victims Services Grant Program administration while ensuring data integrity, accessibility, compliance, security and continuous operation. The preferred solution is a single off-the-shelf system that meets the requirement for all Victims Services Grant Programs. Any selected vendor supplied COTS solution will be hosted on virtual servers at CESC.

Project Scope:

Automate the Victims Services Grant Program administration while ensuring data integrity, accessibility, compliance, security and continuous operation and includes Victim/Witness Grant Program (VOCA), Violence Against Women (V-STOP), Sexual Assault and Domestic Violence Grant Program (SADV), Virginia Sexual & Domestic Violence Victim Fund (VSDVVF), and Sexual Assault Services Program (SASP).

The Grants Management Information System (GMIS) is out of scope for this project. However, it is assumed some functionality residing in GMIS or the Grants Management process may be impacted and some minor modifications may be required to support the desired outcome of this project.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Pulse Budget System Project

Agency: Department of Behavioral Health and Developmental Services (DBHDS)

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

DBHDS Finance has been working with the Pulse system vendor, PPC, to gather requirements for a new budgeting system. DBHDS contacted DMAS regarding their use of the Pulse system as an analytical tool. DMAS noted that the use of Pulse was helpful in producing important analytical data for management of the organization. Over the course of the Spring and Summer of 2016, representatives of Pulse provided demonstrations of the system. The Pulse system allows for the pulling of data from DBHDS primary systems such as our Financial Management System (FMS II) and our patient reimbursement system (Avatar) among others in order to create a data base for analytical purposes. In so doing, data can be arranged in most appropriate manner for more detailed analysis and management decision making.

Project Scope:

Budget forecasting at a most appropriate level of detail could be undertaken with this tool. This is particularly relevant as we analyze training center costs going forward. Pulse will allow budget staff to run what if scenarios and to better forecast facility and central office expenditures by looking at nonpersonal service spend trends over an elongated period.

Monitoring of Central Office Budgets

Pulse would be particularly helpful in the analysis of non-personal services costs in the Central Office. Personal Services (cost of staff) costs are currently not difficult to project nor are the costs associated with recurring one time back end loaded expenditures such as insurances and building rent. Remaining costs such as those of large contracts are more difficult to project and Pulse would be an appropriate tool for this. Pulse will allow fiscal staff to enter and track budget changes after initial budget has been developed including an explanation for the adjustment. This is currently done manually.

Monitoring of CSB Budget and Expenditures

Currently the only option when analyzing CSB year-end reports is to manually compile data from each CSB. This is time consuming and creates more risk for error. Furthermore, as new requests are submitted, the only way to pull out data from reports is manual. Pulse would allow this process to be more efficient and would reduce the potential for human error. Analysis of CSB financial reporting is becoming more critical as the need to allocate resources efficiently to community treatment modalities expands.

Cost Accounting

Gathering of financial data related to the Cost Allocation Plan is currently very time consuming and requires a lot of manual intervention. Utilizing the Pulse system will automate a lot of the necessary steps which will allow more time for analytics and audit processes to ensure that the costs from the various departments with CO are obtaining the maximum reimbursement from DMAS.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: School Nutrition Programs Web-Based System (SNPWeb)

Agency: Department of Education (DOE)

Secretariat: Education

Investment Status: Project Initiation Approval

Project Description:

The Virginia Department of Education, Office of School Nutrition Programs, (OSNP) seeks to acquire a comprehensive, fully developed and integrated, web based child nutrition program computer system that is a Commercial Off the Shelf (COTS) system with multiple modules and the ability to modify forms, reports, interfaces and outputs as necessary to meet the specific needs of the OSNP. This web based management system must allow the VDOE to effectively manage complex USDA Child Nutrition programs to meet regulatory requirements. The system must integrate emerging computer technologies with custom applications and system software to provide innovative, reliable, cost-effective and turnkey solutions designed to simplify the administration of the school nutrition programs with online entry of applications and claims through the Internet. This new system will replace/upgrade the exiting School Nutrition Web System (SNPweb) and would be hosted by the selected vendor.

Project Scope:

To improve service to school divisions and to more effectively comply with Federal and State regulations and reporting requirements, the Virginia Department of Education, Office of School Nutrition Programs, seeks to acquire and install a comprehensive, fully-developed and integrated web-based child nutrition system that can be modified to meet the needs of the Office and satisfy federal and state requirements. The system must be hosted by VITA, allow access for maintenance by the software vendor(s), and conform to the Single Sign-on for Web Systems that is the portal for VDOE users. Data interchanges will have to be developed to provide for transfer to VDOE and financial systems for Claims Reimbursements and other payments and also to facilitate data refreshing from the VDOE School databases. In addition to the above, this change request modifies the scope in that it adds two modules to the existing Colyar software. The two new modules will allow DOE's Office of School Nutrition to assume the responsibility of managing the Summer Food Service Program (SFSP) and the At-Risk Afterschool component of the Child and Adult Care Food Program (CACFP). For SLDCS: The Virginia Department of Education will implement a State Level Direct Certification Solution (SLDCS) that will house data from the Virginia Department of Social Services (VDSS) and allow Local Education Agencies (LEAs) to upload student enrollment data to perform direct certification matching. The system will include the development and customization of an existing module, testing, deployment and training. The additional module to be added is the Direct Certification which centralizes and automatically matches eligible LEA students to DSS food programs.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: SMART SCALE - SMART Portal Enhancements Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The Commonwealth Transportation Board (CTB) has directed VDOT to enhance the existing SmartScale portal. The purpose of the portal is to develop a simple way for eligible entities to request funding using a web-based application process and automate preparation of a data file for further analysis to support project screening, scoring, and selection decisions as part of the SYIP update process. The scope of this project is to deliver new functionality to allow for application re-submission, new applications submission to multiple grant programs, enhancements to the validation/screening/scoring processes and to improve the user interface to update decisions online.

Project Scope:

The scope of this project is to enhance existing functionality and to deliver new functionality to allow for application re-submission of any existing Project created online in the past and not chosen for funding, new application submission to multiple grant programs, enhancements to the validation/screening/scoring processes for all funding programs under the SMART Portal and improve the user interface to update decisions online. The scope includes: Release 5 - 2017 Application Architecture and Intake Preparation - Implementation Date 6/23/2017. Improve Application Data Architecture – Continuing efforts from Release 4 to improve the application architecture, this will enable the faster creation of new applications for additional grant programs, as well as VDOT control over changes to existing applications.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: SOR System Replacement

Agency: Department of State Police (VSP)

Secretariat: Public Safety and Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

The current vendor provided Sex Offender Registry core system needs to be upgraded or replaced as it is based on older technology (Oracle Forms and Reports) and does not meet all user requirements. Making changes due to legislation or enhancing the current application is not feasible due to the outdated technology and the eventual loss of vendor support due to its age.

Project Scope:

Replacement of the legacy SOR system with a COTS or in-house developed java based system. This project includes the RFP process, development or customization, installation and deployment of the new software at VSP. Consulting resources could be obtained to supplement VSPs development staff along with the purchase of the necessary hardware and software to host the replacement application at VSP. The scope of the replacement system is limited to the current SOR system functionality.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: STARS Infrastructure and Subscriber Upgrade

Agency: Department of State Police (VSP)

Secretariat: Public and Homeland Security

Investment Status: Project Initiation Approval

Project Description:

The Statewide Agencies Radio System (STARS) provides a public safety grade radio and data network for 22 authorized agencies. The STARS Subscriber and Infrastructure Upgrade will be implemented in two phases. Phase 1 will address the infrastructure upgrade and Phase 2, the subscriber equipment upgrade. Phase 1 will upgrade the microwave radio network, a new MPLS network for STARS, use of Time Division Multiple Access (TDMA) technology, and the Radio Authentication feature. Phase 2: Subscriber Upgrade will update Needs Assessments for all agencies, and update Subscriber equipment.

Project Scope:

The STARS Infrastructure and Subscriber Upgrade will be implemented in two phases and will take 4 years to complete. Phase 1 will address the network infrastructure and Phase 2 the subscriber equipment for STARS. The network infrastructure upgrades will include the following:

- Microwave Radio Transport Links – migrate from circuit-switched transport to packet-switched Ethernet transport from the land mobile radio RF sites to the Zone Master sites (97 transmitter sites; 132 links, consisting of 264 radios)
- T-1 to Ethernet Conversion, adding Multiprotocol Label Switching (MPLS) – site router replacement at 97 transmitter sites and others
- Time Division Multiple Access (TDMA) (Project 25 Phase 2) - approximately doubles the use of each radio channel employed as compared to the current Frequency Division Multiple Access (FDMA) technology and is a key factor to better supporting current users, facilitating the additional users, and improved busy-hour performance
- Authentication - a necessary security feature that minimizes the access of unauthorized radios that have been lost, stolen, or cloned

Replace the subscriber equipment for the 22 STARS authorized agencies including mobiles, portables (hand-held), digital vehicular repeaters (DVRs), control stations (mobiles located on a desk), and consolettes (rack mounted mobile radios). The subscriber equipment upgrade will take approximately 3 years to complete and includes the following:

- ~6,000 vehicles with a mobile radio installed will need to be upgraded. ~3,300 of those vehicles have a full Digital Vehicular Repeater System (DVRS) in them (mobile radio, portable radio, digital vehicular repeater, portable charger). Vehicle installations will be performed regionally by the equipment manufacturer and will take 3-4 hours to complete per vehicle. VSP Technicians will perform a quality assurance check after the install is complete. This will be managed by the Logistics Manager contractor.
- ~556 control stations in offices
- ~178 consolettes in dispatch centers
- Over the Air Programming (OTAP) – allows changing the programming in radios using a wireless approach. OTAP facilitates updating a high volume of radios in field within a minimum amount of time. For many types of upgrades, scheduling and touching radios located in over 42,775 square miles will no longer be necessary.
- WiFi Programming – allows changing the personality of a radio without physically connecting to it

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Statewide Traffic Signal System Project

Agency: Department of Transportation

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

VDOT operates 3,000+ signals and localities operate 4,300+ signals on the arterial roadway network. This project will deliver a modernized statewide signal system to be used across VDOT and optionally by localities through a cooperative procurement managed by VITA.

Project Scope:

The project scope is to establish systems engineering standards and develop a formal operational framework for design, construction and operations of future traffic signal systems within the state, as well as prepare guidance for transitioning from existing conditions to the developed "future operational framework".

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Travelor Information Data Sharing Services Project

Agency: Department of Transportation

Secretariat: Transportation

Investment Status: Investment Business Case Approval

Project Description:

VDOT desires a comprehensive, cost-effective or cost-neutral solution for sharing video and data that can adapt to rapidly changing technologies and evolving methods of information dissemination. In addition, VDOT desires innovative methods of archiving data, evaluating data quality in real-time and providing system/roadway network performance metrics based upon existing data feeds. Finally, VDOT desires an innovative partner that will promote safety, mobility and economic growth within the Commonwealth of Virginia by providing actionable information to the traveling public.

Project Scope:

VDOT is seeking a vendor to sign an 8 year service contract to build, deploy, provide 24/7 operation and maintenance within the set budget of \$24 million.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: Unemployment Insurance Modernization

Agency: Virginia Employment Commission (VEC)

Secretariat: Commerce and Trade

Investment Status: Project Initiation Approval

Project Description:

The modernization of the Unemployment Insurance System is a major initiative for the VEC in the Agency Strategic Plan. This client/server system will replace the VEC's decades-old IBM-mainframe Benefits, Tax, and Wage systems. Agency stakeholders for this IT Investment include the VEC Commissioner, VEC Assistant Commissioner for Field Operations, the VEC Chief of Benefits, the VEC Chief of TAX, the VEC Director of the Customer Contact Center, the VEC IT Director, and the IT Project Manager. These stakeholders will have direct leadership and governance responsibilities for the Investment. Customer stakeholders include employers of the Commonwealth as well as individual citizens who require support from the Unemployment Insurance program. Input from these stakeholders was analyzed and documented through research performed by Peer Insight and will be further monitored through the use of surveys.

Project Scope:

The Unemployment Insurance Modernization project includes modernizing the computer hardware and software as well as business workflows and some business processes that VEC uses to administer the unemployment insurance benefits, tax, and wage systems for the Commonwealth of Virginia. Modernization includes moving these systems to client/server/Web technologies that use relational data stores.

The UIBT System will provide:

- Implementation of a benefit audit, reporting and tracking system that will support the prevention, detection and processing of both fraudulent and non-fraudulent unemployment insurance overpayments. The system will facilitate several types of audits and help automate case management
- Implementation of an appellate hub for appeals that will provide end-to-end service for conducting conference call hearings, digitally recording hearings, archiving and retrieving hearings for review, and purging old recordings.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: VADOC VCE ERP/MRP System Project

Agency: Department of Corrections (DOC)

Secretariat: Public Safety & Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

Virginia Correctional Enterprises is seeking to procure a manufacturing and services Enterprise Resource Planning/Material Requirements Planning and Scheduling software suite that provides an end to end solution that helps manage manufacturing processes, whether made to order (MTO) or made to stock (MTS). This will also enhance the Transportation/Delivery capabilities, add features to provide better Distribution/Inventory control and customer service.

Project Scope:

Virginia Correctional Enterprises is seeking to procure a manufacturing and services Enterprise Resource Planning/Material Requirements Planning and Scheduling software suite that provides an in to end solution that helps manage manufacturing processes, whether made to order (MTO) or made to stock (MTS). The solution will also manage business processes, customer relationship management, quality control, procurement options, accounting/invoicing, receivables, sales, inventory control, design, product development, service operations and warehousing/delivery options so VCE can be more responsive to internal and external customers' needs, deliver greater quality and value, build loyalty and operate more efficiently. Virginia Correctional Enterprises utilizes INFOR's Syteline ver. 8.01 as its Enterprise Resource Planning/Material Requirements Planning and Scheduling software. This software has reached its End-of-Life (EOL). Maintenance and support for the software is no longer available and the software is unstable and downtime is increasing. The software is critical to maintaining all business and manufacturing operations for VCE. Currently we are experiencing an increase in the frequency and severity of issues related to the proper functioning of the software and our Information Technology Unit believes it may become inoperable without notice. Virginia Correctional Enterprises intends to issue a Request for Proposal (RFP) for the ERP/MRP system software to replace the existing Syteline software. VCE believes this will be the most effective and efficient means to obtain the necessary Enterprise Resource Planning/Materials Requirements Planning and Scheduling software suite to meet its current and future needs.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: VEC Computer Room Move

Agency: Virginia Employment Commission (VEC)

Secretariat: Commerce and Trade

Investment Status: Investment Business Case Approval

Project Description:

Move the existing Agency data center by procuring replacement hardware, installing new hardware at VEC headquarters, moving newly procured hardware to CESC and Manassas data centers. Establish replacement circuits and connectivity at the new locations.

Project Scope:

Move the existing Agency data center by procuring replacement hardware, installing new hardware at VEC headquarters, moving newly procured hardware to CESC and Manassas data centers. Establish replacement circuits and connectivity at the new locations.

Appendix C – 2019 Major IT Project Descriptions

Project Formal Title: VSP Transformation Project

Agency: Department of State Police (VSP)

Secretariat: Public Safety and Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

The VSP Transition Project will bring VSP into the standard IT infrastructure support model, which includes everything except the out of scope STARS network

Project Scope:

Information Technologies Agency (VITA) including Network Infrastructure, Active Directory, and End User Devices and Operating System (OS) images.

Services provided to each user and each location as determined appropriate by the agency. Standard IT infrastructure services including:

- A. Network Services
- B. Security Services
- C. Active Directory
- D. Personal Computing
- E. Fusion Center email solution

Phase 2 Scope: will be focused on migration of remaining VSP environment into infrastructure established in Phase 1, including the VSP Data Center and Disaster Recovery (DR) site.

The following components are in-scope:

- Virginia State Police Information Technology Infrastructure including VSP HQ, District and Area offices, and Disaster Recovery sites.
- Software updates of Mobile Terminal Devices (MDT).

End-user managed services (software distribution, endpoint protection, patching and updating) be extensible to non-domain joined STARS assets.

- A. Server and Storage
- B. Voice and video services
- C. Disaster Recovery Services
- D. Workplace Collaboration Services
- E. Cloud Services
- F. Print Services