Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Access Control Consolidation to Ensure Safety and Security (ACCESS)
Agency: Virginia Commonwealth University (VCU)
Secretariat: Education
Investment Status: Project Initiation Approval

Project Description:

VCU's current building access control solution exposes the University to security risks and faces expensive equipment end-of-life replacement cost. This project will procure and implement the integrated and automated CBORD CS Access building control and management system.

Project Scope:

The project includes replacing servers, control panels and other components and infrastructure in 106 buildings on the MCV and Monroe Park Campus. Implementation will be tracked building by building, with the schedule based on operational needs. The total project schedule will be approximately 18 months. Total estimated costs are approximately $1.6 million dollars including hardware procurement and cabling and staff augmentation services.

This project does not include stabilization of the existing system. Significant improvements to closet environmental conditions (power, cooling, etc.) are out of scope. Implementation of new endpoints in existing buildings or new construction may occur in parallel with this project and needs to be coordinated with the schedule, but are considered as separate projects in all other aspects. Creation of formal access control policies and operational procedures is not part of this project.

Appendix C - 2016 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 Case Management system will allow TAX field staff (auditors) to use tablets. The tablets would have an audit application that would replace Tax's existing audit case management and audit workbench applications. These existing applications are dated. Auditors could connect wherever a cell signal was available. The applications would have the ability to work disconnected in the event there is no cell signal available. The system will have the ability to accept a credit/debit card or electronic check, and the ability to exchange encrypted electronic documents with taxpayers. The system will integrate directly with Tax's core application Advantage Revenue (AR) so audit returns could be loaded automatically with the appropriate compliance code and no additional involvement by other staff.

Project Scope:

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.

TAX reps will be able to process payments and tax returns electronically and have the confirmation of the filing and the payment emailed to the taxpayer. This presents an opportunity for educating the taxpayer and achieving the Commonwealth/TAX goals for electronic filing and payment. This would decrease paperwork for the agent and save TAX time and money because funds will be processed to the bank more efficiently, no delays or costs for mailing and eliminate the need to process paper returns or checks.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Cardinal Payroll
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. It is based on Oracle's PeopleSoft software. 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. Given that most of the staff used to maintain CIPPS are also of retirement age, the Commonwealth must move forward with a new payroll solution. 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 CIPPS Replacement project scope includes replacing a purchased software package implemented in the mid-1980s, which runs on the IBM mainframe and is supported by Infor Global Solutions. This project request is to define new system requirements, develop and implement the new system and train the users of 200+ agencies and central support staff.

The planning phase (March 2015 - August 2016) clearly defined the business requirements for the Commonwealth. These requirements will drive the scope of the project, including the software modules that will be implemented (Payroll, Time and Attendance, Absence Management). Additionally, some core HR and Benefits processes will have to be implemented in Cardinal to support interfaces from other central agencies and to ensure that the PeopleSoft Payroll processes work correctly. This project will NOT replace the state's current HR (PMIS) or Benefits (BES) systems administered by DHRM.

The implementation will have full design, build, test and deployment phases of work and will be staffed by COV and Accenture resources over a 28 month period. The project will have two Releases, with 25% of the users going live in the Release 1 and the remaining going live in Release2. Scope includes data conversion, central and line agency interface development, third party interface development, a comprehensive change leadership program and a user base of ~120,000 current and former employees.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Cardinal Upgrade
Agency: Department of Accounts (DOA)
Secretariat: Finance
Investment Status: Project Initiation Approval

Project Description:

This effort will result in an upgrade to the recently deployed statewide accounting system, Cardinal. The solution is a system upgrade to Oracle's PeopleSoft Enterprise Resource Planning (ERP), the underlying toolset, the Oracle database, the operating system and the hardware used to run the application. This complete refresh will be completed by a combination of Cardinal, VITA/NG and Accenture Upgrade Lab staff over the next twelve months. The approach includes a proven and disciplined methodology for upgrading PeopleSoft and has been successfully used in several other states that DOA has regular contact with. Because it is a proven approach and is being completed by Cardinal-experienced resources, there will be a reduction in both costs and risks.

Project Scope:

The Cardinal Upgrade Project includes upgrading the solutions hardware, operating system, database, supporting toolset and application software to currently supported versions. This is considered a technical upgrade and no new functionality or business processes are being introduced as part of this upgrade. Impacts to end users will be limited to training material updates (new screen shots) and potentially the regression testing of some interfaces. The project upgrade is required for future project implementations, but any approved future implementations will be tracked as distinct projects.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Construction Documentation Management
Agency: Department of Transportation (VDOT)
Secretariat: Transportation
Investment Status: Project Initiation Approval

Project Description:

The Construction Documentation Management project will develop standardized business process workflows that will automate the creation, storage and status designation of construction documents. The project will allow personnel to step through designated workflows, store construction documents in a standard SharePoint repository with a standard set of document folders at each level of the construction process, from final design through the end of constructions.

Project Scope:

The Construction Documentation Management project scope will include a common environment to give VDOT consultants and contractors system access and enhanced document collaboration between all project resources. The project will also allow VDOT to streamline current processes and to establish standard automated business process flows for construction document management. This allows VDOT to incorporate consistent, best-practice workflows to accelerate accurate document management to meet critical business schedules during the design, procurement and construction phases of VDOT projects.

This systems development project will focus on the contracting and construction phases, and does not include the preliminary design phase of a construction project and its documents.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Customer Portal – Integrated Registration
Agency: Virginia Employment Commission (VEC)
Secretariat: Commerse and Trade
Investment Status: Project Iniation Approval

Project Description:

This investment supports activities of the Virginia Unemployment Insurance (UI) Act and the Workforce Services Division (WSD).

The project will create an online portal for registration to UI and WSD services offered by the VEC. The portal will collect personal identifying information, authenticate this information, and create a single sign-on for the user to the separate systems of Unemployment Insurance and Job Service.

The collected information will be stored on a secure environment and will pre-populate required fields for registering with the UI and WSD systems.

Project Scope:

In order to meet Workforce Innovation and Opportunity Act (WIOA) implementation requirements and deadlines as outlined in the Virginia WIOA Combined State Plan, the Virginia Employment Commission (VEC) requires integrated software enhancements to the current web-based workforce system, the Geographic Solutions Virtual One Stop™ (VOS) application. Geographic Solutions, Inc. is currently under contract (VCCS-WDS-SS-13-021) to provide VOS to the Commonwealth' workforce customers. The VOS System is the Commonwealth's System of Record for Wagner-Peyser, Trade Act and WIOA.

Periodically, and usually in response to changes in federal law or regulations, Geographic Solutions makes available to their customers enhancements to the VOS system. These enhancements are proprietary software solutions. We are unaware of any vendor in the marketplace who has the ability to make authorized changes to the Geographic Solutions, Inc. Virtual One Stop product.

Geographic Solutions has developed proprietary enhancements to the VOS system that provide a practical, cost-effective and integrated solution that meets the requirements of the Commonwealth. The enhancements are currently available for purchase to their customers. Additionally, under the current contract, the vendor is obligated to provide warranty for the Solution in production. During this warranty period, unauthorized changes introduced by any party could nullify the vendor's warranty obligations. As such, it is in the best interest of the VCCS and the Commonwealth to continue using this vendor for additions and changes to the production proprietary solution.

In order to integrate the Commonwealth's Unemployment Insurance and Wagner-Peyser systems in compliance with State and Federal WIOA requirements, the VEC proposes to purchase and deploy the proprietary system functionality enhancements made available by Geographic Solutions as an integrated add-on to the current system.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Division of Disease Prevention (DDP) STDMIS Replacement Project - MAVEN
Agency: Virginia Department of Health (VDH)
Secretariat: Health and Human Resources
Investment Status: Project Initiation Approval

Project Description:

The Division of Disease Prevention (DDP) has an immediate need for a surveillance database to replace its existing sexually transmitted disease (STD) Management Information System (STDMIS) and to serve as an interoperable system that meets the requirements of DDP core priorities, including care and treatment services for HIV+ clients, immigrant health services, as well as HIV, tuberculosis and hepatitis surveillance activities. Presently, DDP uses STDMIS, which was developed by the Centers for Disease Control and Prevention (CDC) in 1995. The CDC has decided to cease continued development for this system. States/cities are required to find alternative data systems, which may include custom-built applications or a vendor-based system. Virginia does not have a custom STD application and development/maintenance of a new system would be cost prohibitive.

During our research for products in the market, we found that the Maven application by vendor Consilience is the only product capable of commercial-off-the-shelf (COTS) inclusion of all DDP program priorities, including STD/HIV/TB/Hepatitis surveillance, HIV Care Services and Immigrant Health. As such, Maven is the only product that has all of the features that DDP absolutely must have in a common data system infrastructure in order to fulfill programmatic needs and data linkages. These functional requirements include: 1) an integrated sexually transmitted disease (STD) and HIV data module with case management capacity; 2) a tuberculosis data module; 3) a hepatitis data module; 4) a refugee/immigrant health data module; 5) imbedded export functionality to the Centers for Disease Prevention and Control's (CDC) electronic HIV/AIDS Reporting System; 5) user role flexibility for sharing of data between all aforementioned programs; and 6) a common database infrastructure for automated interstate data sharing among neighboring cities/states for public health surveillance purposes.

Data integration across the spectrum of DDP programs is an absolute necessity in order to enhance programmatic linkages, assessments and quality assurance. New grants that focus on data linkages have been awarded to DDP and the changing healthcare landscape is placing quality assurance activities at the forefront of programmatic evaluation.

No other vendor of public health disease surveillance systems is known to contain the full spectrum of features and needs alluded to above.

Project Scope:
The Division of Disease Prevention (DDP) works with numerous information management systems provided by the Centers for Disease Control and Prevention (CDC). The reportable conditions are predominantly associated with sexually transmitted diseases (STD), HIV, tuberculosis (TB), and hepatitis.   DDP has an immediate need for a surveillance system to

Appendix C - 2016 Major IT Project Descriptions

replace the existing CDC-provided STD system (STD*MIS) which is extremely complex, written in FoxPro. It was launched in 1995. The CDC has decided to cease development of additional versions, requiring states to find alternative solutions. STD*MIS has a variety of limitations, including instability, outdated technology, difficult navigation, lack of electronic laboratory reporting (ELR) infrastructure, and inadequate access controls. STD surveillance programs using STD*MIS must transition to vendor-based products or custom-built applications. Virginia does not have a custom STD application and development/maintenance would be cost prohibitive. Additionally, the DDP is comprised of six work units which use seven large-scale, complex data systems for routine activities. The evolving healthcare system and complex programmatic requirements is requiring robust data interoperability in order to meet the wide variety of DDP core priorities, such as linkages to healthcare.

Consilience Software, Inc. was chosen because it is the only vendor data management system that contains the unique combination of features that fulfills all surveillance requirements for HIV, STD, TB and Hepatitis, programmatic needs and data linkages for HIV+ persons in care and refugee resettlement, as well as proven experience with STD*MIS legacy data conversions. The following functional requirements are necessary for a new system, which are all included with Maven: 1) an integrated STD and HIV data module with case management capacity; 2) a TB data module; 3) a hepatitis data module; 4) a refugee/immigrant health data module; 5) a Ryan White data module (to be used for linkages with Health Resources and Services Administration funded programs; 6) experience with STD*MIS legacy database conversions; 7) imbedded export functionality to the CDC's electronic HIV/AIDS Reporting System; 8) user role flexibility for sharing of data between all aforementioned programs; and 9) a common database infrastructure for automated interstate data sharing among neighboring cities/states for public health surveillance purposes. After evaluating a variety of other public health disease surveillance systems, Maven was the only vendor product identified that contains this full spectrum of requirements. Plus, Washington, DC and North Carolina are already using Maven, which will facilitate #9 above.

Under this Investment Business Case, DDP will procure and implement the MAVEN system with vendor Consilience Software providing the following:

Design of the Maven database infrastructure.
Configuration of Maven specific to IT requirements and DDP needs, including security, processing module, workflow, and reporting configurations.
Population of reference tables and configuration to DDP requirements.
Legacy database conversion for STD*MIS.
Testing and troubleshooting of all identified problems in a testing environment.
Training of all relevant DDP staff on Maven use.
Deployment in the production environment and establishment of a technical support system.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: DGIF eGov Solution Project
Agency: Department of Game and Inland Fisheries (DGIF)
Secretariat: Natural Resources
Investment Status: Project Initiation Approval

Project Description:

The purpose of this project is to procure replacement services for licensing, boat registrations, dissemination of registration data, mass communication and web hosting, and related processes and to successfully transition the services to a new solution. As a non-general fund agency, revenue from licensing and registrations is critical. Based on market research and internal analysis, a customizable, hosted marketplace partnership will best meet agency needs for a secure, stable business solution. Established marketplace providers will make regular investments in their products to keep pace with industry changes and trends. In addition, the self-funded model used by the agency allows suppliers to be invested in the success of the services offered.

Project Scope:

The DGIF eGov Solution Project scope includes the procurement and implementation of services to replace the existing agency solutions for online licensing and permitting, boat registrations, titles and renewals, Web hosting and mass communication. Phase I of the project will transition the existing licensing and registration systems to a new vendor and platform, and a subsequent phase will incorporate other agency applications and business processes related to licensing, permitting and registrations.

Appendix C - 2016 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 - 2016 Major IT Project Descriptions

Project Formal Title: DGS-DRES – COVA Trax Phase 2
Agency: Department of Gerneral Service (DGS)
Secretariat: Administration
Investment Status: Project Initiation Approval

Project Description:

The Division of Real Estate Services (DRES), a business unit of the Department of General Services (DGS) was formed in January 2005 as a direct result of 2004's Executive Order 75, ""Managing the Commonwealth's Real Estate Holdings."" DRES was established as a ""one-stop shop"" to provide comprehensive real estate portfolio management and transactional services on behalf of the Commonwealth.

Project Scope:

Implement the Integrated Workplace Management Solution using a multi-phased approach in accordance with the contract negotiated with the vendor (Trimble).

Key activities for COVA Trax Phase 1 include:
- Develop detailed requirements and gap analysis with the existing software
- Finalize implementation plan based on requirements (custom build, test and implementation phases).
- Implement the Core platform, Lease and Financial Management modules in the first phase.
- Implement the Transactions Module in the second phase.
- Conduct all training and process modifications required within DRES to use the new system
- Develop and turn over to DRES all materials needed for recurring operations using the solution, including:
- New user training
- Recurring monitoring reports and procedures for their use
- Establishment of a DRES capability to manage the vendor relationship, system support and user access administration.
- Retire the IREMS application and user administration.
- Implement a Web portal for annual updates based on a DRES Directive.

Key activities for COVA Trax Phase 2 include:
- Develop detailed requirements and gap analysis with the existing software.
- Finalize implementation plan based on requirements (custom build, test and implementation phases).
- Implement the Fixed Asset Module along with certain functionality for the Space and Sustainability Modules. Future COVA Trax Phases may include additional functionality for the Space and Sustainability Modules.
- Conduct all training and process modifications required to use the new system.

Appendix C - 2016 Major IT Project Descriptions

- Develop and turn over all materials needed for recurring operations using the solution, including new user training, recurring monitoring reports and procedures for the software, and establish the ability to manage the vendor relationship, system support and user access administration.
- Retire the FAACS And VAPS systems.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Department of Justice (DOJ) Waiver Management System
Agency: Department of Behavioral Health and Developmental Services (DBHDS)
Secretariat: Health and Human Resources
Investment Status: Project Initiation Approval

Project Description:

To implement a consolidated On-line Waiver System that is web-based and that maximizes use of the Internet and electronic data interchange capability. Anticipate solution will be COTS or SAAS. The State is seeking to implement a Waiver Management System (WaMS) that is web-based and that maximizes use of the Internet and electronic data interchange capability. The Waiver Management System (WaMS) must be configurable and user modifiable and it must support the configuration of automated work processes to support the business's needs and address the components of various state waiver programs. Flexibility features, such as user modifiable and configurable capabilities must support the efforts of non-technical business program staff to implement data and processing changes easily and quickly, thereby minimizing the need for major system modification and intervention by technical resources. The desired results of this contract are that the Waiver Management System (WaMS) must be able to track essential steps and processes related to the waiver programs including enrollment, waiting list management and service authorization. Note: Seeking 87.5% Federal Financial Participation (FFP) for entire project cost from Center for Medicare and Medicaid Services (CMS).

Project Scope:

The scope of the DOJ Waiver Management System project will include the selection of a WaMS COTS or software as a service (SaaS) solution. A solution with user modifiable and configurable capabilities that supports the efforts of non-technical business program staff is desirable to minimize the need for major system modification and intervention by technical resources.

The new WaMS solution must support the following functional areas:

- Eligibility determination and waiver program management to support the operational responsibilities of capturing and maintaining accurate, current and historical information on individuals eligible to receive a waiver
- Service planning to support a flexible model of individualized support planning, allowing varying levels of control and documentation for service planning and authorizations
- Service authorization and setup to record, authorize and track delivered services to individuals by providers and to allow internal users to track multiple funding sources, categories and individual budgets
- Provider management functionality to capture a comprehensive array of information about providers of services to individuals and to support the enrollment process of qualifying individuals in agency-defined waiver programs
- Administrative tools to allow authorized users to configure screens, arrange fields, manage security permissions, and create workflow rules within the application

Appendix C - 2016 Major IT Project Descriptions

- Reporting capabilities to easily retrieve and print standardized and ad-hoc reports from data recorded in the system
- Case management and assessments to support the full lifecycle of individuals' support from initial inquiry for services to case closure, including referrals, enrollment, assessment and reassessment, service planning and service authorization, case closure, and reporting information
- System integration and data exchange that allows the capability to interface with multiple entities for the exchange of information (VAMMIS), per the Medicaid information technology architecture (MITA) standards, while adhering to the appropriate data exchange requirements such as the Health Insurance Portability and Accountability Act (HIPAA) and the National Information Exchange Model (NIEM).

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Department of Motor Vehicle (DMV) Project 2016: Motor Carrier Fuels Tax
Agency: Department of Motor Vehicle (DMV)
Secretariat: Transportation
Investment Status: Investment Business Case Approval

Project Description:

This project implements the fuels tax DMVadministers pursuant to the Virginia Fuels Tax Act (Va Code Title 58.1, Chapter 22) and the motor vehicle fuels sales tax administered pursuant to Va Code Title 58.1, Chapter 22.1, hereinafter referred to as the Fuels Tax/Fuel Sales Tax system.

Project Scope:

Fuels Tax and Motor Vehicle Fuel Sales Tax

This project will include the acquisition, implementation and subsequent maintenance of a comprehensive system that will allow for the fuel use tax licensing and reporting functionality for motor carriers.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Department of Motor Vehicle (DMV) Project 2016: Motor Carrier IFTA/IRP, CView Solution
Agency: Department of Motor Vehicle (DMV)
Secretariat: Transportation
Investment Status: Investment Business Case 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 - 2016 Major IT Project Descriptions

Project Formal Title: Department of Motor Vehicle (DMV) Q-up Customer Flow Management Project
Agency: Department of Motor Vehicle (DMV)
Secretariat: Transportation
Investment Status: Investment Business Case Approval

Project Description:

Overall customer service is a critical component of DMV's responsibility to administer a variety of business functions related to credentialing, tax processing, and information provisioning. Maintaining an automated system to manage the flow of our customers and business partners through these business functions is essential to ensure the integrity and efficiency of the related business processes.

This project will replace the current DMV queue management solution. The new DMV Q-up Solution will incorporate necessary advancements in customer flow management technology which were not available when the current solution was implemented.

Project Scope:

 The scope of the DMV Q-up Solution project is based on a fully integrated turn-key services solution that supports the needs of our customers, our business partners, and our stakeholders related to the variety of core DMV business processes of credentialing, tax processing, and information provisioning activities. This includes an integrated services solution that provides:

- Automated self-service queuing functionality that enables DMV customers to place themselves in queue prior to arriving at a DMV service location as well as start transactions from remote locations using personal computers and mobile technology.
- Automated alternatives that enable effective and efficient customer check-in upon arrival at a DMV service location to identify their desired transaction(s) and issue a service ticket. Customer check-in alternatives will include self-service check-in kiosks, DMV "Welcome Centers" staffed by DMV service agents to assist customers upon entry, and DMV service agents utilizing hand-held devices to assist customers waiting in line.
- Automated customer flow management and administration at all DMV service locations as well as being able to administer and manage customer flow at any DMV service location from a remote location.
- Scheduling and management of appointments directly by customers prior to visiting a DMV service location.
- A variety of electronic interfaces to DMV systems to support transaction processing.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Department of Motor Vehicle (DMV) Project 2016: Security Blitz
Agency: Department of Motor Vehicle (DMV)
Secretariat: Transportation
Investment Status: Project Initiation Approval

Project Description:

DMV has the business need to address critical components of the Security Program to strengthen the Commonwealth security compliance requirements. DMV has identified several key areas of required focus through an internal audit and is taking action based on the findings of the audit.

The Security Blitz Project's goals are twofold:
1)   Remediate all outstanding audit findings from any source.
2)   Build out the agency's capabilities to manage and administer an SEC-501 compliant agency using, as of this writing, version 9.

Project Scope:

This project is broken into five phases to be accomplished over thirteen months. The phases contain work efforts that may be performed in parallel, while others may have dependencies and require work be performed consecutively. These details are being developed as part of the overall project plan.

The project will leverage documents provided as a part of an assessment that was completed in January 2016. The supplier will leverage the following resources:

Existing DMV Documentation:

- Existing DMV security policies and procedures
- DMV internal audits
- APA audits
- Vulnerability Scans
- Risk Assessment (RA) Reports for all sensitive IT systems – November 2013
- System Inventory – DMV – 2013
- Other identified reports as necessary

    Key deliverables will include:
    1)   PHASE 1 - Foundational Security Components
    2)   PHASE 2 - Governance Framework
    3)   PHASE 3 - Technical Controls
    4)   PHASE 4 - Creation/Validation for Documentation of Policies, Processes and Procedures along with validated/finalized responsibilities across Policies, Processes and Procedures
    5)   PHASE 5 - Implementation of Oversight Activities

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Electronic Child Care Attendance Tracking and Payment Processing
Agency: Department of Social Service (DSS)
Secretariat: Health and Human Services
Investment Status: Investment Business Case Approval

Project Description:

The scope of the Electronic Child Care (ECC) attendance tracking, online transaction processing, payment processing (which includes posting attendance transactions manually), reporting and financial services for the Child Care subsidy program. The existing SaaS contract expires September 30, 2017.

Project Scope:

The Contract covers the delivery of the full scope of ECC services for the Child Care subsidy program. The Contractor shall also support VDSS in activities relating to disaster recovery services. Support also includes but is not limited to personnel support, communications support such as a message on the customer service and vendor support lines, additional help desk staff, technical and equipment support, card production and card issuance.

The Contractor shall provide an ECC user system that is web-based and can be accessed by users in a Microsoft Windows environment. Drop-down menus, point-and-click, and/or Graphical User Interface (GUI) technology for system navigation shall be included.

The scope of services shall provide ECC services that meet the Commonwealth's and or VDSS' quality, performance, and cost-efficiency requirements. Services to be provided include, without limitation, are:
1. Vendor Agreement and Bank Account Setup;
2. Debit card issuance for vendors lacking bank accounts;
3. Vendor Banking Account Maintenance and ACH Notice of Change;
4. Vendor Equipment Set Up and Maintenance;
5. ACH Payment Issuance;
6. Processing of ACH Notice of Change, Rejects and Returns;
7. Card Issuance (including vault card supply if applicable);
8. Card Activation;
9. Card Replacement;
10. PIN Selection and Change by IVR, web portal, or other method as described in the response;
11. ECC Transaction Processing (including manual and automated attendance entries and account maintenance);
12. Worker Case Authorization and Payment Inquiry;
13. Vendor Case Authorization and Payment Inquiry;
14. Vendor Broadcast capability;
15. Reporting;
16. Data Extracts and Ad-Hoc Reporting;
17. 24-hour, 7 Day a Week Customer Service;
18. 24-hour , 7 Day a Week Automated Response Unit; and

Appendix C - 2016 Major IT Project Descriptions

19. Any additional services that the Contractor believes would improve customer service, enhance efficiency and effectiveness, reduce fraud, or reduce overall costs.

20. Vendor Transition – The Contractor shall ensure that vendor transitions do not interrupt the ability of the clients and vendors to conduct business as normal. During transition, the Contractor shall be responsible for the transition of all transactions to the new system.

The Contractor must provide a plan to replace all the existing POS devices with the attendance tracking devices proposed. The plan shall include a timeline for the attendance tracking conversion as well as the step by step plan to ensure all attendances are included in payments during the conversion;

      a. The change from the existing IVR system to the Contractors IVR system must be included in the conversion plan as well as the step by step plan to ensure all the IVR attendances are included in payments during the conversion; and

      b. The change of the Vendor Portal to the new Contractor's Vendor Portal must be included in the conversion plan including the process by which services will remain available to vendors.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Enterprise Delivery System Program (EDSP) – Eligibility Modernization – Program Migration Project
Agency: Department of Social Services (DSS)
Secretariat: Health and Human Resources
Investment Status: Project Initiation Approval

Project Description:

The Eligibility Modernization Migration Project will deliver:

- Eligibility determination and case management for SNAP/SNAPET, TANF/VIEW, and Medicaid (remaining categories).
- Modernize the current Child Care system called the Virginia Case Management System (VaCMS), to include functions of eligibility determination, case management, vendor, and financial management.
- VaCMS will be modified to interface with internal and external entities, which are currently done by the existing legacy system (s).
- Use an external rules engine WebSphere Operational Decision Management (WODM) for the business rules for SNAP. TANF/Employment Services, Medicaid (Non-MAGI Groups) and LIHEAP.
- Create and build the framework for a statewide document management and imaging solution.
- Establish an Asset Verification Service to obtain electronic financial verifications for applicants that meet the aged, blind, or disabled (ABD) covered groups for Medicaid.
- A single sign-on access to Virginia Department of Social Services systems
- Sunset the existing legacy systems and establish a conversion process to automatic and transfer existing case data in ADAPT, ESPAS and Energy systems into VaCMS.

Implementation of the migration project will begin May 2015, with initial pilot rollout for three (3) months and statewide rollout will occur in 2 phases.

Project Scope:

The scope of the EDSP – Eligibility Modernization – Program Migration Project includes the modification of VaCMS to interface with internal and external entities, and the use of an external rules engine, WebSphere Operational Decision Management (WODM), for the business rules for SNAP, TANF/Employment Services, Medicaid (Non-MAGI Groups) and LIHEAP. The project also will create and build the framework for a statewide document management and imaging

Appendix C - 2016 Major IT Project Descriptions

solution, and establish an asset verification service to obtain electronic financial verifications for applicants that meet the aged, blind or disabled (ABD) covered groups for Medicaid.

The project will sunset the existing legacy systems and establish a conversion process to automatically transfer existing case data in ADAPT, ESPAS and energy systems into VaCMS.

Appendix C - 2016 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:

The My Virginia Tax project will allow taxpayers (individuals and businesses) to access their tax data online with the use of a robust, single sign-on authentication portal. Taxpayers would be able to electronically file and pay their taxes, and would be able to access a complete history of their account including past filings, payments made, refunds issued, correspondences and assessments/bills pending.

Project Scope:

The My Virginia Tax project scope includes replacing multiple login entry points on Taxation's website with a single sign-on portal that will allow taxpayers to go to one place to access Taxation's online systems. The project also will allow for a self-service feature for taxpayers when they forget their passwords. This new functionality has been requested by customers and will improve significantly electronic interaction.

Appendix C - 2016 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:

The Electronic Healthcare Records project will automate inmate medical records, currently in paper form, and integrate the medical records with Virginia Correctional Information System (CORIS), the offender management system. The DOC existing operations will realize efficiencies as a result of this automation by:

- Capturing inmate medical records in an electronic form for portability
- Improving clinical staff access to inmate medical records for purposes of patient care
- Improving capture and routing for all documents, while ensuring the security and integrity of the medical records
- Supporting compliance efforts with HIPAA standards
- Providing simultaneous access to the system by medical professionals for clinical, administrative and other healthcare operations
- Reducing paper-based file management and storage, which would lessen the amount of physical space
- Supporting re-entry initiatives including post-release medical care

Project Scope:

The scope for Electronic Healthcare Records project will include medical and mental health records (pharmacy, dental, etc.) for offenders across the commonwealth. The integrated system will enable DOC to track expenses more effectively.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Environmental Health Data Management Information System Project
Agency: Virginia Department of Health (VDH)
Secretariat: Health and Human Resources
Investment Status: Investment Business Case Approval

Project Description:

The Office of Environmental Health Services (OEHS) desires to replace its current data management system, the Virginia Environmental Information System (VENIS). VENIS is a comprehensive and highly customized environmental health data management system used by OEHS and health districts to collect, collate and share data. The data is used to monitor compliance with laws and regulations, agency performance and strategic planning. The new system will maintain this functionality as well as to fulfill the Virginia Department of Health's (VDH) legal requirement to provide an online reporting and payment system for alternative sewage system operation and maintenance.

Scope:

The Office of Environmental Health Services (OEHS) desires to replace its current data management system, the Virginia Environmental Information System (VENIS). VENIS is a comprehensive and highly customized environmental health data management system used by OEHS and health districts to collect, collate and share data. The data is used to monitor compliance with laws and regulations, agency performance and strategic planning. The new system will maintain this functionality as well as to fulfill the Virginia Department of Health's (VDH) legal requirement to provide an online reporting and payment system for alternative sewage system operation and maintenance.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Highway Maintenance Management System
Agency: Department of Transportation (VDOT)
Secretariat: Transportation
Investment Status: Project Initiation Approval

Project Description:

The purpose of this investment is selection of a COTS package supporting the Highway Maintenance Management System (HMMS) project to provide an integrated, geospatially-enabled, holistic state-of-the-art solution software that meets VDOT's business and system requirements.

Scope:

The Highway Maintenance Management System (HMMS) project scope will include:

- Development of a request for proposal (RFP) to evaluate HMMS commercial of-the-shelf (COTS) solutions
- Integration, customization, testing and deployment of the selected COTS solution
- Development of custom interfaces with various systems.

The solution will allow analysis and reporting for pavement, ancillary structures, fixed bridges and culverts, roadside maintenance, and moveable bridges and tunnels. The solution will interface with the Roadway Network System (RNS), and VDOT's Linear Referencing System (LRS).

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: IBC IEP System
Agency: Department of Education
Secretariat: Education
Investment Status: Investment Business Case Approval

Project Description:

The Virginia statewide Individualized Education Program (IEP) system will be offered as an opt-in, voluntary program to all Virginia public school divisions. The system and its associated forms will be managed by a steering committee made up of division and VDOE stakeholders who will convene on a regular basis to discuss changes and updates to the system. The overall goal of the statewide IEP system is to improve delivery of special education services to students across the Commonwealth. It is anticipated that the statewide system will help:

• Mitigate issues of transferring students between divisions
• Provide teachers with a robust special education case management system
• Reduce direct division costs associated with IEP software
• Reduce paperwork associated with IEPs and other special education processes
• Improve division compliance with state and federal laws and regulations
• Improve data collection and data usage for divisions and the Virginia Department of Education
• Improve services to special education students in foster care

At its core, the statewide system will provide baseline functionality as an IEP writer and compliance tool that will afford educators the functionalities necessary to facilitate IEP meetings, develop IEPs, monitor student progress, develop ad hoc reports, and gather and submit data for state reporting purposes.

Scope:

The service will be purchased with a competitive procurement. The service will be offered to school divisions at no charge.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Implement Banner XE Project
Agency:
Secretariat:
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 - 2016 Major IT Project Descriptions

Project Formal Title: Inventory Module (Cardinal)
Agency: Department of Transportation (VDOT)
Secretariat: Transportation
Investment Status: Investment Business Case Approval

Project Description:

The Inventory Module (Cardinal) project will replace the WebIMS application with the PeopleSoft Inventory Module. This will integrate the inventory function at VDOT with the Cardinal system. This implementation is required because the current application technology is reaching the end of its productive life and the business process warrants it be incorporated within the financial system. Microsoft Corporation ended support for Active Server Pages software in 2008 and it is no longer possible to make changes to certain sections of the application.

Scope:

The Inventory Module (Cardinal) project scope will include replacing the VDOT WebIMS Inventory application, which is written in Active Server Pages, with the PeopleSoft Inventory Module. This will integrate the inventory function at VDOT with Cardinal. In addition, the business processes of the applications of WebIMS will be re-engineered to increase performance and minimize modifications to the COTS software.

The project scope includes procurement for system implementation services. The scope also includes the system design, configuration, development, testing, training and rollout tasks. The final project schedule and implementation approach will be finalized based on the input from the system implementation vendor. The module will be available for future use by other state agencies.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: IT Infrastructure Services (ITIS) Program
Agency: Virginia Information Technologies Agency (VITA)
Secretariat: Technology
Investment Status: Investment Business Case Approval

Project Description:

The ITIS Program is the effort to transition VITA out from the Northrop Grumman IT services contract, and into a multi-supplier IT services strategy. The program consists of the work to Disentangle, Source, Transition, and hand off to Ongoing Operations. Once all of the services have transitioned off of Northrop Grumman and on to the new supplier, the ITIS Program will be complete.

Scope:

The ITIS Program Scope consists of the entire lifecycle of all of the component projects and activities which will successfully transition the commonwealth off of the existing contract with Northrop Grumman, replacing it with various enterprise service offerings. The sole focus of the program is to transition from the current solution provider to multiple solution providers. 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.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: JS Exhibit Renovation Technology
Agency: Jamestown Yorktown Foundation (JYF)
Secretariat: Education
Investment Status: Investment Business Case Approval

Project Description:

JYF is planning to replace old technology components in a permanent museum galleries. This will include audio visual equipment such as projectors, monitors, touch panels, software, controllers, and related installation.

Project Scope:

Replacing aging equipment that provides critical technology components in museum galleries and public areas.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Licensing System Project
Agency: Department of Alcoholic Beverage Control (ABC)
Secretariat: Public Safety and Homeland Security
Investment Status: Investment Business Case Approval

Project Description:

The Licensing System Project is for the procurement and implementation of a software application to store and maintain all information related to the licensee applications, licensee records, and license compliance records. The project will replace ABC's current licensing system including Core, Webcore, eLFI (MBAR), Licensee Search, WebInvize, Invize, eBanquet, and CMS (Regulatory function only) applications.

Project Scope:

The Licensing System Project scope includes procuring and integrating a new licensing application which will support all business processes related to the collection, processing, and regulatory enforcement of licenses and licensees. An RFP will be issued with the agency's system and business requirements, and a vendor will be selected that offers a COTS application that meets those needs. The new system will be installed, configured, tested and vetted with the law enforcement team, and will support 10regions within the state. The servers and application will reside at the Commonwealth Enterprise Solutions Center (CESC).

Out of scope functions include any business processes that do not support licensing, criminal investigations, training and accreditation management. Additionally, ABC tax management applications will not be updated or replaced as part of this project.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Mainframe Services Project
Agency: Virginia Information Technologies Agency (VITA)
Secretariat: Department of Technology
Investment Status: Project Initiation Approval

Project Description:

The Comprehensive Infrastructure Agreement (CIA) the Commonwealth has with Northrop Grumman is ending in 2019. This investment is specific to mainframe services as provided in that agreement. The intent is to replace the supplier of mainframe services with one or more new suppliers. The investment in this project is to make that change in suppliers and the corresponding provider of mainframe services.

Project Scope:

The scope is to replace the current mainframe environment with the equivalent from a new supplier.

As part of the Implementation Plan the initial implementation schedules have been created and will be managed as separate, but interdependent, projects within the Implementation Plan: Mainframe, Network, Storage, Database Administration (DBA), Backup and Recovery (BUR), Disaster Recovery (DR), Security, Cross Functional, and Service Desk (for Levels 2 and 3).

Implementation Phases
The phases described below will yield the following Critical Deliverables:

- Mainframe Services Detailed Implementation Plan (1 month from Commencement Date) – This documents the VITA specific technical details each service area has developed, with all of the updates gained from knowledge transfer, discovery, and shadowing of the current operations. This lays out specific technical execution steps leading up to, during, and immediately after the Commencement Date and Mainframe Services Operating on the Supplier's platform events.
- Mainframe Services Implementation Readiness Plan (1 week prior to Commencement Date)
  – Provides a report on the progress against the schedule and issues in executing the Mainframe Services Detailed Implementation plan, to be used as the document going into Governance gateways such as an Operational Readiness Review.

Other Critical Deliverables will be produced during the overall effort that will be incorporated into the Mainframe Services Detailed Implementation Plan.

Appendix C - 2016 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 - 2016 Major IT Project Descriptions

- o 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
- o Creating provider and member portals that support the 'one stop shop' objective and improve information access and service for all Medicaid related needs
- o Supporting exchanges with federal, State and other entities, including the Health Insurance Exchange (HIX) and Health Information Exchange (HIE)
- o 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 - 2016 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 reprocure 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 - 2016 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: Investment Business Case 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 - 2016 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: Investment Business Case 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 - 2016 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.

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:

Appendix C - 2016 Major IT Project Descriptions

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 - 2016 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: Investment Business Case 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 - 2016 Major IT Project Descriptions

Project Formal Title: Medicaid Enterprise System (MES) Program Pharmacy Benefit Management
Agency: Department of Medical Assistance Services (DMAS)
Secretariat: Health & Human Resources
Investment Status: Investment Business Case Approval

Project Description:

The MES Pharmacy Benefit Management RFP is required to replace and transform the system and services provided in the current MMIS contract. That contract expires in June, 2018. The specific requirement is to acquire a solution that is consistent with the MITA 3.0 Framework and 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.

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.

Project Scope:

To upgrade the existing Pharmacy Benefits Management system with a COTS based module as part of the MES Program enterprise solution.

Appendix C - 2016 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 - 2016 Major IT Project Descriptions

Project Formal Title: Network Infrastructure Refresh
Agency: Norfolk State University (NSU)
Secretariat:
Investment Status: Investment Business Case Approval

Project Description:

NSU wishes to refresh aging network infrastructure to include Cisco equipment, UPS, cabling, and backups. The existing equipment is approaching end of life.

Project Scope:

This effort will refresh network infrastructure, including Cisco equipment, UPS, cabling, and backups.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Personnel Management Information System (PMIS) Migration from UNISYS
Agency: Department of Human Resources Management (DHRM)
Secretariat: Administration
Investment Status: Project Initiation Approval

Project Description:

This project involves moving all DHRM applications off of the Unisys mainframe and into a server/web/relational database environment. This migration must be accomplished by June 30, 2016 in order for the Commonwealth to avoid approximately $15 million in annual charges related to DHRM's use of the mainframe. DHRM has submitted a budget request/decision package to DPB for $5.5M for this project. The additional $1.5M (that bring total project costs to $7M) represent the monies that DHRM would already have in its base budget for existing personnel, office space, existing servers, etc. and would expend for the project over the FY15-16 biennium. At this stage of the cost estimation process DHRM anticipates that half of the $5.5M requested in its decision package to DPB will be needed in FY15 and half in FY16. However, DHRM needs for any unused monies in FY15 to carryover and be available for project use in FY16.

Project Scope:

The PMIS Migration from UNISYS project scope includes the move of a number of mission critical applications. Historically, the Unisys mainframe cost for DHRM's applications has been proportional to its usage of Unisys-related system resources, a relative minor percentage of the overall Unisys costs for the commonwealth, compared to DSS which has a 97 percent usage. Consequently, DSS has borne nearly all of these mainframe costs, and DSS and DHRM are the only remaining users of the mainframe.

DSS has embarked on a 3-year project to move its system(s) off the Unisys mainframe. The proposed reduction in Unisys usage by DSS, without any offsetting actions, could result in substantial stranded costs to the commonwealth in excess of $15 million annually. Given the language in VITA's contract with Northrop Grumman, and per the standard application of federal cost allocation principles, it would appear necessary for VITA to recover most of these costs from the only remaining Unisys user - DHRM. Once this happens, the cost of the Unisys mainframe to DHRM will be prohibitive.

In addition, the DHRM legacy applications currently running on the mainframe are built on obsolete technologies for which there are a dwindling pool of resources that can support it. The three resources that support the legacy applications are either able to retire or will be able to retire within two years. DHRM will transition these mission critical legacy applications to modern, readily-supportable technologies.

Appendix C - 2016 Major IT Project Descriptions

This migration must be accomplished by June 30, 2016, in order for the commonwealth to avoid approximately $15 million in annual charges related to DHRM's use of the Unisys mainframe.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Prioritization Application Process Tool Enhancements
Agency: Virginia Department of Transportation (VDOT)
Secretariat: Transportation
Investment Status: Project Initiation Approval

Project Description:
On April 6, 2014 Governor Terry McAuliffe signed the House Bill 2, effective July 1, 2014, requiring the Commonwealth Transportation Board (CTB) to develop a statewide prioritization process for project selection funded by the CTB. Such prioritization shall weight factors such as congestion mitigation, economic development, accessibility, safety and environmental quality and be applied within each highway construction district.

Project Scope:

The scope of this project is to deliver new functionality to allow for application re-submission, new application submission to multiple grant programs, enhancements to the validation/screening/scoring processes and improve the user interface to update decisions online.

The project will be implemented through several releases as described below:
- Release 1 2016 Intake Preparation.
- Release 2 Validation and Screening.
- Release 3 Public Visibility.
- Release 4 Six Year Improvement Program and Additional Application Types.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Project Portfolio Management (PPM)@VDOT
Agency: Department of Transportation (VDOT)
Secretariat: Transportation
Investment Status: Investment Business Case Approval

Project Description:

The PPM@VDOT project will implement a PPM system that manages processes, methods, and technologies used by project managers and program managers to analyze and collectively manage projects and programs based on numerous key characteristics. In support of House Bill 2 and other similar initiatives, VDOT desires a portfolio management solution that will enable optimal utilization of available funding to maximize program delivery and benefits from projects objectively and quantifiably selected through the Six Year Improvement Program (SYIP) process, and to provide tools to aide in the management and execution of the program. Existing technologies supporting this need include the iSYP suite of applications. The technical platform for the VDOT SYIP technology suite is grossly outdated, and current business processes supporting the development of the SYIP are cumbersome and inefficient.

Project Scope:

The PPM@VDOT project scope focuses on developing and deploying projects and programs at VDOT in the following areas:

- Demand management – Ability to view and manage demand requests across the agency
- Portfolio selection – Ability to identify, score, rank, evaluate and select projects that will deliver the greatest value to the agency and its constituents
- Portfolio tracking – Ability to continuously monitor, evaluate and report on the portfolio's progress to achieve its strategic objective
- Portfolio reporting – Ability to provide the information the agency needs to manage the portfolio and to inform stakeholders at all levels
- Funding optimization – Ability to optimally allocate funding resources to the high priority investments
- Financial tracking - Ability to continuously monitor, evaluate and report on the portfolio's financial performance
- Project schedule and tracking - Ability to develop project schedules and monitor, evaluate and report on the project performance to create value

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Replacement and Enhancement of the Central Criminal History (CCH) Application
Agency: Virginia State Police (VSP)
Secretariat: Public Safety and Homeland Security
Investment Status: Project Initiation Approval

Project Description:

This project is to replace the Central Criminal History (CCH) application with software developed in a modern programming and database technology consistent with Virginia's Enterprise Architecture Standards. The current system is written in MFCOBOL and relies upon proprietary emulation technology for its operations. Money was appropriated in the 2008 General Assembly to begin the migration of this critical system.

Project Scope:

The scope of the Replacement and Enhancement of the Central Criminal History (CCH) Application project includes:

- Either the replacement or enhancement of the CCH system at VSP and at local agencies
- Either the replacement or enhancement of the Consolidated Applicant Tracking System (CATS) and the Automated Fingerprint Identification System (AFIS) messaging system, because they are tightly integrated with the current CCH system
- Support of real time interfaces with other state agency systems such as Supreme Court and DOC
- Improvement of reporting flexibility through the use of a standard reporting package
- Reduction of the time to modify the software in response to legislative requirements
- Improvement of user interfaces
- Adoption of national XML standards (GJXDM) resulting in improved interfaces with other state and local systems

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Smart Data
Agency: Department of Medical Assistance Services (DMAS)
Secretariat: Health and Human Resources
Investment Status: Project Initiation Approval

Project Description:

This investment supports the centralization of sensitive HIPPA data in a server based environment. It improves business process efficiencies, allowing multiple level users to access data. This is a change from DMAS's as is PC SAS which is inefficient and less secure. The move to server based environment will allow more timely and accurate data management reporting.

Project Scope:

The scope of the Smart Data project will include the procurement and implementation of a software solution that will:
- Accommodate 10 terabytes of storage
- Consolidate all data used and produced by current DMAS SaaS users onto one server
- Integrate data from many disparate sources
- Schedule SaaS jobs for routinely run reports
- Provide data visualization
- Provide capabilities to zip and archive data
- FTP data to internal and external entities
- Provide version control

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: SNP MIS Replacement
Agency: Virginia Department of Health (VDH)
Secretariat: Health and Human Resources
Investment Status: Project Initiation Approval

Project Description:

The Division of Community Nutrition (DCN) completed initial analysis and evaluation of alternatives for replacement of the Regional Office Administered Program (ROAP) management application. DCN evaluated three different alternatives. Based on the results of the feasibility study, DCN has selected the transfer option. The transfer option is based on proven technology and the systems evaluated support more than 37 nutrition programs nationwide. This option is cost effective and allows VDH to leverage a system that has been developed specifically to support SNP. A transfer system meets the program's needs for immediate replacement of ROAP, following a successful competitive bid, work can begin immediately to identify the specific needs of Virginia SNP. The investment business case by the Virginia Department of Health (VDH)/DCN supports the ROAP System Replacement Project to solicit bids from viable vendors for the transfer of an operational management information system to support the Special Nutrition Programs (Child and Adult Care Food Program/CACFP and Summer Food Service Program/SFSP). The funding source is the Federal State Administrative (SAE) funds.

Project Scope:

In 2010, Virginia transferred the Special Nutrition Programs (SNP) from the United States Department of Agriculture. The Division also transferred the supporting management application, of the ROAP system, originally developed in 1999. Since its original transfer, the Office of Information Management (OIM) has made many changes to ROAP in order to meet Virginia program requirements and operate within USDA, VDH, and VITA standards. However, the ROAP technical architecture limits many changes that would improve the efficiency, accuracy, and timeliness of SNP applications, monitoring, claims, and financial reporting.

VDH evaluated SNP management systems by Northrop Grumman, Dynamic Internet Solutions (DIS), and Colyar Consulting Group. Combined, these systems support 37+ programs nationwide.

Under this Investment Business Case, DCN will develop the business and technical requirements for a solicitation to select a vendor to transfer an operational SNP system from another state and manage the customization, configuration, transition of the selected system to Virginia SNP. The selected vendor will provide the following:

The transfer system code (i.e. the management application or product)
Development work for Virginia customizations/enhancements
Transition support including system architecture design, data conversion, end user training, operational training, and system support (as needed)

Appendix C - 2016 Major IT Project Descriptions

The above contract requirements will result in a new management information system (MIS) for SNP which will provide more efficient operations.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Telecommunications Expense (Management) and Billing Solution (TEBS)
Agency: Virginia Information Technologies Agency (VITA)
Secretariat: Technology
Investment Status: Project Initiation Approval

Project Description:

The Telecommunications Expense (Management) and Billing System (TEBS) project will procure and implement a modern, integrated, user-friendly telecommunications expense management and billing solution. The TEBS project is for the Virginia Information Technologies Agency (VITA). The project is sponsored by VITA's Director of Finance and Administration. TEBS stakeholders include Telco vendors, agency customers, VITA, and Northrop Grumman. The TEBS solution is expected to create additional categories of stakeholders to include (Budget, Partnership Expense Management and Recovery (PEMR), Customer Relationship Management (CRM), Customer Account Managers (CAMS), Telco Services, Billing, Customers, Vendors, Telco Reconciliation). The goal of the TEBS project is to replace the 30 + year old mainframe Telecommunications Inventory Billing System(TIBS) that currently supports VITA's Telecommunications Service Delivery with a modern integrated, user-friendly system that supports all of the existing TIBS functionality and providing additional telecommunication expense functionality. VITA will provide the functional leadership for the project with participation from agency personnel who will use the TEBS system. Additionally, VITA and agency personnel will participate in the requirements definition of the TEBS project to help determine the technological approach (in-house options, outsourcing, SaaS, COTS, etc) for a TEBS solution. The proposed solution will incorporate Telecommunications Expense Management. This is an integrated approach that extends beyond transaction processing to cover all aspects of telecommunications services to include: sourcing management, ordering and provisioning and user support, inventory management, invoice management, usage management, dispute resolution and executive information and decision support.

Project Scope:

The TEBS project scope includes the following stakeholders: telecommunications vendors, agency customers, VITA and Northrop Grumman. The TEBS solution is also expected to create additional categories of stakeholders - budget, partnership expense management and recovery (PEMR), customer relationship management (CRM), CAMs, telecommunications services, billing and telecommunications reconciliation.

The proposed solution will incorporate telecommunications expense management. This is an integrated approach that extends beyond transaction processing to cover all aspects of telecommunications services to include: sourcing management, ordering and provisioning and user support, inventory management, invoice management, usage management, dispute resolution and executive information and decision support.

Appendix C - 2016 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 - 2016 Major IT Project Descriptions

Project Formal Title: Web Redesign-Phase II
Agency: Department of Alcoholic Beverage Control (ABC)
Secretariat: Public Safety and Homeland Security
Investment Status: Project Initiation Approval

Project Description:

ABC generates nearly $850 million in gross revenues annually with limited eCommerce solutions for retail customers, licensees and vendors. Phase I of the website & digital services program included a Website Redesign project aimed at installing a Content Management System that allows business units and communications staff to provide timely and accurate updates to the website. Phase I also unveiled a new, visibly appealing design, look and feel of the main website (www.abc.virginia.gov), an easy to navigate layout that tightly aligns with stakeholder needs, and a design that's responsive to the growing mobile market (e.g. phones, tablets). In addition, numerous foundational eCommerce capabilities were incorporated to include 1) an Interactive Product Catalog with over 3,000 products including images and descriptions, 2) an Interactive Events Calendar, and 3) the ability to select and pay for select premium products. This feature allows users to select certain products (up to 250 unique products) to be ordered and placed in an online shopping cart, paid for, and shipped to a pre-selected Virginia ABC store chosen by the user. Phase II of the website and digital services program will further Virginia ABC's eCommerce focus by expanding online services for additional customer groups and automating current manual processes. ABC is committed to meeting and surpassing customer expectations by 1) optimizing website functionality; 2) enhancing online ordering; 3) improving the website experience for retail customers and licensees; and 4) expanding ePay and ensuring Payment Card Industry (PCI) compliance.

Project Scope:

The Web Redesign-Phase II project scope includes continuing ABC's eCommerce strategy to increase revenue, improve customer service and reduce operating costs. This project will allow ABC to improve the retail customer's experience by optimizing functionality, creating store-specific pages, enhancing online ordering, and ensuring PCI compliance. Phase II goals also include creating a licensee portal, and migrating external education and prevention websites into Sitecore, a content management system.

Appendix C - 2016 Major IT Project Descriptions

Project Formal Title: Yorktown Museum Replacement – Technology
Agency: Jamestown-Yorktown Foundation (JYF)
Secretariat: Education
Investment Status: Project Initiation Approval

Project Description:

This project will install the requisite technology components for the Yorktown Museum replacement project, including exhibit technology, audio visual components, wireless, data and telecommunications. Project funding will be via bonds and no general funds allocated.

Project Scope:

The Yorktown Museum Replacement–Technology project scope will:

- Replace the exhibitory that has exceeded its useful life
- Provide a properly sequenced visitor experience and eliminate troubled visitors attempting to find their way in the museum
- Provide an adequately sized changing gallery to offer a more effective impetus for repeat visitation. By maximizing the potential of the museum, the agency will achieve its educational and revenue generating potential
- Include requisite technology components: data and telecommunication wiring, storage racks, relocation of servers, routers and workstations, audio visual systems, wireless network, kiosks, peripherals for point-of-sale terminals, building security, and exhibit audio visual and technology

The project will be completed in two phases:

- Phase I - Construction of a new building to house the technology components involved in the replacement of the existing Yorktown Victory Center Museum, and the relocation of staff
- Phase II - Exhibits installation/creation (audio visual displays, film, kiosk, etc.). Audio visual components of exhibits will require equipment and installation.