

Appendix C - 2015 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.

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Project Formal Title: Campus Center Technology Project

Agency: University of Mary Washington (UMW)

Secretariat: Education

Investment Status: Project Initiation Approval

Project Description:

The Campus Center Technology project will design, procure and install the audiovisual (AV) and information technology (IT) equipment required to support the new Campus Center building. The new building is designed to be a place where students, faculty and staff can meet and gather on a daily basis, provide a primary location for university events and activities, and serve as a hub for campus community engagement. The Campus Center will include a new campus dining facility, a school store, a student lounge, and a number of meeting, conference and event rooms.

Project Scope:

The Campus Center Technology project scope will provide a variety of IT and AV products and services, including:

- Wired and wireless networks
- VoIP telephony
- Audiovisual equipment
- Digital signage
- Access control and CCTV

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Project Formal Title: Commonwealth Integrated Payroll Personnel System (CIPPS) Replacement

Agency: Department of Accounts (DOA)

Secretariat: Finance

Investment Status: Investment Business Case Approval

Project Description:

The CIPPS Replacement project will replace the current system that handles centralized payroll for 120,000 Virginia state employees. While the current system is effective, the technology of the system is outdated from the prospect of not having a sufficient pool of talent knowing the programming language (COBOL) to provide support in the future. This project is necessary because the current vendor support on the existing system expires at the end of May 2018.

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.

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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.

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Project Formal Title: CSC System 2.0

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The VDOT Customer Service Center (CSC) provides a centralized means for VDOT to interact and share information with citizens and the traveling public, and to manage citizen requests for service. The CSC System 2.0 project will improve the department's ability to share internally and act on customer information. It will aid the department in processing and responding to citizens' requests for service more efficiently.

Project Scope:

The CSC System uses its CSC portal to process citizen requests for service throughout the state including roadway maintenance, permit requests, damage claims, traffic studies and information requests. The CSC System 2.0 project will define and refine more fully CSC business processes and system requirements necessary to enhance effectively the CSC system by providing:

- VDOT CSC Concept of Operations (CONOPS) definition and documentation support
- VDOT CSC business process definition and documentation support
- Support to the development and submission of a VDOT CSC request for information (RFI) document
- Support to the evaluation of VDOT CSC RFI responses
- Support to the gathering and definition of VDOT CSC system requirements
- Support to the development and submission of a VDOT CSC system request for proposal (RFP) document
- Support to the evaluation of VDOT CSC system RFP responses
- Support to VDOT CSC system vendor selection and contract award
- Support to the design, testing and implementation of CSC 2.0 citizen request management application

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Project Formal Title: DGIF eGov Solution Project

Agency: Department of Game and Inland Fisheries

Secretariat: Natural Resources

Investment Status: Investment Business Case Approval

Project Description:

The DGIF eGov Solution Project will select and procure a new automated solution for licensing, boat registrations, disseminating registration data, mass communication and Web hosting. The project also will include transitioning the existing services and related processes to the new solution.

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.

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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: Investment Business Case Approval

Project Description:

The DOJ Waiver Management System (WaMS) project will implement a consolidated on-line waiver system that is Web-based and that maximizes use of the Internet and electronic data interchange capabilities. The new system must be configurable to support the components of the various state waiver programs, and must be able to track essential steps and processes related to the waiver programs including enrollment, waiting list management and service authorization.

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
- 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

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exchange requirements such as the Health Insurance Portability and Accountability Act (HIPAA) and the National Information Exchange Model (NIEM).

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Project Formal Title: DRES - Integrated Real Estate Management System Replacement

Agency: Department of General Services

Secretariat: Administration

Investment Status: Project Initiation Approval

Project Description:

The Division of Real Estate Services (DRES) - Integrated Real Estate Management System Replacement project will replace the DRES system that provides comprehensive real estate portfolio management and transactional services for the commonwealth's real estate holdings. The new system will replace the Web-based application, Integrated Real Estate Management System (IREMS), which no longer has vendor support because the founding company, Bricsnet, dissolved. This application is critical in managing day-to-day processes, providing services to agency clients and meeting legislative mandated requirements.

Project Scope:

The DRES - Integrated Real Estate Management System Replacement project scope will satisfy the following Code of Virginia requirements:

- 2.2-1131.1. Establishment of performance standards for the use of property
- 2.2-1136. Review of easements; maintenance of real property records
- 2.2-1153. State agencies and institutions to notify department of property not used or required

Primary responsibilities and services to be managed via the DRES - Integrated Real Estate Management System Replacement project include:

- The maintenance of a detailed and accurate inventory of all state-owned and leased real property
- Providing lease administration on behalf of state agencies, including automated batch processing and interfacing to PeopleSoft monthly accounts payables and accounts receivables
- The maintenance and provision of online access to electronic copies of associated real estate documents (deeds, due diligence files, lease agreements, etc.)
- Providing tools for querying and reporting management-related metrics and for complying with legislative mandates
- Managing and tracking the status of active transactions and providing routine updates to management and agency contacts
- Managing the complete process of billing agencies and others for DRES services at the rates submitted to and approved by JLARC
- Assisting with managing agency space requirements and providing the capability to review and work with CAD drawings

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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 EDSP – Eligibility Modernization – Program Migration Project will deliver eligibility determination and case management for SNAP/SNAPET, TANF/VIEW and Medicaid. The project also will 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.

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 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.

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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.

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Project Formal Title: Electronic Health Records (EHR)

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

Secretariat: Health and Human Resources

Investment Status: Project Initiation Approval

Project Description:

The EHR project will implement an electronic medical record repository and clinical applications at each DBHDS facility and Central Office. The project will:

- Improve clinical practices by reducing medical errors through alerts and decision support
- Reduce duplicative work, thus allowing clinicians to focus more of their efforts directly on improved care
- Support interconnected care
- Create information that is portable and able to move with the consumer from one point of care to another
- Promote self-determination by providing consumers with access to information that allows consumers participation in decisions about their care
- Enable consumers to make informed choices about providers
- Assist consumers with taking an active role in managing their illness and their wellness.

Project Scope:

The scope of the EHR project will include the replacement of legacy systems with integrated clinical applications sharing an electronic medical record repository. EHR will also integrate with recent IT investments, such as AVATAR, used for patient/resident admissions, discharges and reimbursements.

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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.

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Project Formal Title: Enterprise Data Management (EDM) Organization Hub

Agency: Virginia Information Technologies Agency (VITA)

Secretariat: Technology

Investment Status: Investment Business Case Approval

Project Description:

The Enterprise Data Management (EDM) Organization Hub project will enable agencies to view the most recent information about an organization. This project will expand the VITA Enterprise Data Management (EDM) solution for a Person Hub that uses IBM Initiate 10.1, Standard Edition.

The Enterprise Data Management (EDM) Organization Hub project will satisfy the Health and Human Resources (HHR) need to be able to recognize that a person belongs to an organization that is allowed to input that person's information on their application and/or act on their behalf. For example, the poverty law center enters applications on behalf of their clients. The implementation of the Organization Hub will allow the establishment of relationships between entities from the Person Hub and entities in the Organization Hub. The EDM Organization Hub will also help in determining presumptive eligibility.

Project Scope:

The Enterprise Data Management (EDM) Organization Hub project scope includes the installation and configuration of the Organization Hub using IBM InfoSphere MDM Version 11.0, Advanced Edition as the technology solution. IBM InfoSphere MDM will be used to assemble data from existing Commonwealth of Virginia (COV) systems, and will store the "golden record" for an organization and establish relationships with the Person Hub.

Over time, HHR's utilization of the targeted enterprise data, as well as other COV agencies will yield the following benefits:

- Efficiencies through data re-use
- Improved data sharing
- Interoperability across state agencies
- Improved customer service

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Project Formal Title: For All Customer and Employees (FACE) – Motor Carrier Portal

Agency: Department of Motor Vehicles FACE PMO

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The FACE - Motor Carrier Portal project will create a single point of entry for all motor carrier customer needs. The project will combine the motor carrier and commercial carrier customer operations that manage every aspect of driver and vehicle licensing, fuels tax, inter- and intra-state regulations and licensing.

Project Scope:

The FACE - Motor Carrier Portal project scope includes building a single portal through which DMV's commercial customers may conduct specific DMV-related business. This will require the upgrade and/or retirement of several existing applications and integration among specific DMV-managed applications and a vendor interface. Additionally, this project will transform the related motor carrier business logic from the DMV mainframe to the middle tier in the FACE environment.

The end of life WebCat application will be replaced with WebCat II written in Net 4.5, and real-time Web services will be developed for data exchanges between the:

- WebCat interface and Xerox
- WebCat interface and DMV mainframe
- Xerox and DMV mainframe

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Project Formal Title: Financial Management Enterprise Rollout (Cardinal Project 3)

Agency: Department of Accounts (DOA)

Secretariat: Finance

Investment Status: Project Initiation Approval

Project Description:

The DOA Financial Management Enterprise Rollout (Cardinal Project Part 3) will deploy the new Cardinal base and will replace the commonwealth's (DOA's) current financial system, Commonwealth Accounting and Reporting System (CARS). The base is an enterprise resource planning (ERP) implementation of general ledger, accounts payable, and funds receipt, accounting features currently contained within CARS.

Project Scope:

Financial Management Enterprise Rollout (Cardinal Project Part 3) will entail the statewide rollout of the Cardinal base solution (general ledger, accounts payable and funds receipt) to the 280 agencies across the commonwealth. The project will include system configuration, functional and technical design and development, enhancement of the Cardinal technical architecture, full change management efforts (communications, training, organizational assessment) and project management office (PMO).

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Project Formal Title: Highway Maintenance Management System

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Investment Business Case Approval

Project Description:

The Highway Maintenance Management System (HMMS) project will provide an integrated, geospatially-enabled software solution for VDOT's highway maintenance needs. The HMMS will provide the following capabilities:

- Asset/Inventory Management
- Work Order Management
- Resource Planning, Scheduling and Utilization
- Work Planning and Budgeting
- Mobile Technology
- Forecasting and Data Management Analysis and Reporting

Scope:

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

- Development of a request for proposal (RFP) to evaluate HMMS commercial off-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).

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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.

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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 10 regions 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.

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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

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

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

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Project Formal Title: Oracle E-Business Suite (OEBS) Expansion to Inventory

Agency: Virginia State Police (VSP)

Secretariat: Public Safety and Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

The OEBS Expansion to Inventory project will expand Oracle E-Business Suite to include inventory and other accounting systems to ensure the efficiencies of the department's administrative systems. Currently the department has general ledger, accounts payable and TeleService implemented in OEBS, and the human resource modules are in the process of being converted to OEBS. The department's other administrative systems are in the legacy Mapper environment which is in the process of being replaced.

Project Scope:

The OEBS Expansion to Inventory project scope includes the migration of the existing Mapper inventory and accounting systems to the Oracle E-Business Suite.

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Project Formal Title: Payment Card Industry (PCI)/Credit Card Data Storage Project

Agency: Department of Motor Vehicles (DMV)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The PCI/Credit Card Data Storage project will replace the existing Protobase application for processing credit card transactions that will be discontinued by the vendor at the end of September 2015. This project will ensure that DMV's system is fully PCI compliant based on the PCI-DSS standards. The project will also allow DMV to offer customers the ability to set up reoccurring transactions by enabling DMV's credit card vendor to store the customer's credit card data.

Project Scope:

The PCI/Credit Card Data Storage project scope includes:

- Evaluating existing credit card channels to determine the changes that need to be made in order to reach compliance
- Purchasing new credit card machines for all customer service centers. The new machines will be Europay, Mastercard, and VISA (EMV) (chip and pin) compliant, which is required in October 2015
- Evaluating the reduction of channels where credit cards are accepted in order to provide an increased security level over credit card data for DMV customers
- Working with the state credit card vendor, Elavon, to implement channel solutions, and to encrypt, store and tokenize credit card numbers in the Elavon environment. DMV will use a token, only understandable to Elavon, to submit and process transactions

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Project Formal Title: Physical Access Control System (PACS) Replacement Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The PACS Replacement project will provide VDOT with a state-of-the-art PACS system capable of supporting other access and monitoring functions. The system will have the capabilities to interface with logical access control systems using a standard Microsoft Active Directory interface and new PIV credentials. The current PACS hardware and software technology utilized at the central office and the terminal locations across the state are no longer supported by the manufacturer.

Project Scope:

The PACS Replacement project scope will include the installation of a new statewide PACS at the VDOT central office facility that houses the current head-end control system along with all associated statewide access components. Forty-two VDOT facilities will benefit from the turnkey solution that includes labor, materials and equipment necessary to bring the PACS into compliance with current industry standards.

The VDOT Infrastructure Protection and Resiliency Enhancements Program (VIPREP) Contractor Elite Contracting Group will furnish and install new PACS control panel hardware that will utilize existing network support systems and workstations provided and maintained by VITA. VIPREP also will install new PACS head-end software on the VITA provided servers. VIPREP contractor will work with VITA to ensure the proper technical specifications for the servers are provided and that all associated IT-related information that is required for VDOT to maintain full compliance with ITD policy is in place at the time of deployment.

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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:

The PMIS Migration from UNISYS project will move all DHRM applications running on the Unisys mainframe to a server/Web-based relational database environment. The migration will ensure that DHRM will not have to incur enormous hosting fees once the Virginia Department of Social Services (DSS) no longer uses the Unisys mainframe. The project will upgrade the DHRM applications that now use obsolete technology.

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.

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.

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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 - 2015 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:

The CCH application is a component of the larger Central Criminal Records Exchange (CCRE) system. CCH is more than 30 years old, and many of its capabilities are based on a proprietary emulation package, which limits VSP's ability to use the updated infrastructure on which it resides. The project includes purchasing consulting services to gather requirements and develop an implementation plan for either the replacement or enhancement of the CCH system. Once the requirements have been gathered, the agency will survey the market to determine whether a suitable COTS package exists or whether development will be necessary. The project also includes planning for implementation of the system, including installation and deployment of the software at VSP and training services for VSP staff and local agencies.

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 - 2015 Major IT Project Descriptions

Project Formal Title: Safety Loss Control Data Management System

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Investment Business Case Approval

Project Description:

The Safety Loss Control Data Management System project will provide a paperless documentation management solution to VDOT Safety and Health Division to improve the efficiencies and mitigate the associated risk of its loss control programs, in accordance with Executive Order #44 (2007) and the agency's Continuity of Operations Plan (COOP). The electronic document management system will provide secure storage of the digital files and automated data workflow for the VDOT worker's compensation, tort claims, and occupational health/medical exams and substance abuse tests processes.

The system will mitigate the risk of catastrophic destruction, enable secure accessibility during emergencies and gain operational efficiencies through a centralized system.

Project Scope:

The Safety Loss Control Data Management System project scope will include global management of Safety and Health Division forms related to injuries, tort, drug testing and training certifications. Internal resources would be required for data migration and interfaces to existing systems.

The system must comply with the security requirements of REAL ID Act of 2005, subsequent COV statues, the VITA Security Policies and HIPPA requirements as there is Personal Health Information (PHI) and Personal Identification Information (PII) collected and retained.

Appendix C - 2015 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:

The Smart Data project will centralize sensitive HIPPA data in a server-based environment and build a secure analytics platform that can be used by other state agencies. The project should improve business process efficiencies by allowing multiple level users to access the data, and by providing more timely and accurate data management reporting. The project will move DMAS from a PC-based SaaS solution to a server-based SaaS solution with business intelligence (BI) analytic capabilities.

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 - 2015 Major IT Project Descriptions

Project Formal Title: Statewide Agencies Radio System (STARS) Asset Management Tracking System

Agency: Virginia State Police (VSP)

Secretariat: Public Safety and Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

The STARS program needs an asset management and tracking system to provide up-to-date inventory information and historical tracking of radio and tower assets and equipment. Motorola, under the terms of the STARS contract, provides an inventory system for VSP's STARS equipment. This inventory system does not provide timely information on the STARS assets and inventory, nor does it provide historical tracking of assets. In addition, once 60,000 items are in the inventory, Motorola's charges for the system will greatly increase. Currently, VSP has over 40,000 items in inventory.

Project Scope:

The implementation of the STARS Asset Management Tracking System will:

- Automate STARS inventory control and tracking procedures
- Allow for single point of data capture via automated tools such as bar code scanners replacing existing clerical procedures
- Provide online access directly into STARS inventory allowing immediate historical tracking of an asset's life cycle, even after it is placed into service within the STARS environment
- Generate ad hoc queries on demand
- Interface with other e-business products such as service (NOC Help Desk) and fixed assets, and provide asset configuration management throughout the life cycle of an asset
- Provide cost effective real time tracking of information

Appendix C - 2015 Major IT Project Descriptions

Project Formal Title: Straight Line Diagram (SLD)

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The SLD project will replace the existing SLD application used to optimize roadway investments in maintenance and rehabilitation. The existing SLD product has been in place for approximately 6 years and has reached the end of its life cycle. Users need a single, simple viewing and analysis tool to print routes for required road maintenance and to analyze speed zones, rails, road inventory, structure and bridges and crash data. The technology utilized by the existing SLD tool is outmoded and difficult to support.

Project Scope:

The SLD project scope includes the replacement of the existing SLD user interface with enhanced capability that is accessible to VDOT internal users over the Internet. The existing database will be adapted for use with the new SLD Tool. The following data will be included:

- Divided roads
- Truck speed limits (RNS)
- Facility type (HTRIS)
- Maintenance jurisdictions
- Intersections
- Railroad features
- Structures and bridges
- Lane counts
- Mile markers
- County mile markers
- Speed limits (RNS)
- RNS crashes (RNS)
- Physical jurisdictions
- Curbs and gutters
- Functional class (HTRIS)
- HOV passenger lanes
- HPM sample sections
- Medians
- National Highway System
- Recent ADT (TMS)
- School speed limits (RNS)

The replacement SLD product will allow layer selection within the SLD, and will integrate with the VDOT Map Integrator, RIMS and RNS systems. Specifically search criteria for selecting routes and route segments will pass from RIMS and RNS to the new SLD and pass from SLD to Integrator and RNS Maps.

OUT OF SCOPE

- Mobile data support and functionality
- User editing of the LRS data from the SLD interface
- Non-VDOT supplied user access, must have a VDOT network account

Appendix C - 2015 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 TEBS project will procure and implement a modern, integrated, and user-friendly telecommunications expense management and billing solution. The TEBS project will replace the 30-plus year old mainframe Telecommunications Inventory Billing System (TIBS) that currently supports VITA's telecommunications service delivery with a system that supports all of the existing TIBS functionality and additional telecommunication expense functionality.

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 - 2015 Major IT Project Descriptions

Project Formal Title: Traffic Data Performance Management System (TDPMS)

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The System TDPMS project will implement the iPeMS Performance Management System, the selected COTS product, to archive and support analysis of VDOT's traffic performance related data. The new system will extract information from real-time intelligent transportation systems (ITS) and other sources, process the data, store the information in a data warehouse, and make the information available to users in various forms. VDOT will access the data for planning purposes.

Project Scope:

The TDPMS project scope includes:

- Consolidating traffic flow related data into a single reporting database
- Eliminating the constrained archived data management system (ADMS); replacing with the unconstrained archive capability of iPEMS to cost effectively manage statewide Automated Transportation Management System (ATMS) data.
- Analyzing anticipating traffic impacts of construction
- Assisting metropolitan planning organizations (MPO) in developing their annual congestion management plans and prioritizing resource investment based on quantitative performance measures
- Improving internal planning methods and streamlining analysis of data currently housed on multiple systems.

Appendix C - 2015 Major IT Project Descriptions

Project Formal Title: Unclaimed Property System Web Migration

Agency: Department of Treasury

Secretariat: Finance

Investment Status: Project Initiation Approval

Project Description:

The Unclaimed Property System Web Migration project will replace the current client/server Unclaimed Property System. The current system functionality will be rewritten as a Web-based application by Department of Treasury IT staff, and developed using modern agency supported languages and development environment.

The Unclaimed Property Division of the Treasury will benefit from lower system maintenance and enhancements since they will be performed by agency staff instead of a third party. The division should also be more efficient because the new system will incorporate technologies and features that will increase productivity for agency staff and in turn result in faster processing time for agency customers.

The Unclaimed Property System Web Migration project will create a more portable system because of the use of a Web application versus a Windows client/server application, the deployment of the application to clients will no longer be an issue, and the costs associated with building, packaging, deployment, and maintenance of clients would drop significantly.

Project Scope:

The Unclaimed Property System Web Migration project scope includes a review of all system related processes, and replacement for the Windows version of the application migrating all features and processes to a Web-based interface. In-scope enhancements to be considered during the rewrite include the following:

- Automated integration with Cardinal
- Enhanced PaperVision integration adding workflow
- New reporting capabilities using available reporting tools
- Integrated auditing features such as logging and tracking changes made in the system by users
- Recommendations introduced from the Operational, Process, Performance and Review Services project

The replacement system will be implemented by the end of 2014 and will:

- Accept credit cards, debit cards or electronic checks
- Have the ability to exchange encrypted electronic documents with taxpayers
- Integrate directly with accounts receivables
- Load audit returns automatically with the appropriate compliance code and no additional involvement by other staff

Appendix C - 2015 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 VEC needs to modernize the Unemployment Insurance System. A client/server system will replace the VEC's decades-old IBM-mainframe benefits, tax and wage systems. VEC has identified two goals for the Unemployment Insurance Modernization project:

- Replace the existing Unemployment Insurance Benefits and Tax (UIBT) applications using a foundation of new technology and improved design methods to improve flexibility and maintainability. This includes the ability to add new features and to incorporate system changes resulting from future law and policy changes
- Improve the UIBT business processes to meet unemployment insurance business needs that have changed since the mid-1980s. The new business processes are targeted to be significantly more efficient and adaptable to wide swings in workload.

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 - 2015 Major IT Project Descriptions

Project Formal Title: Virginia ABC Financial PeopleSoft Conversion

Agency: Department of Alcoholic Beverage Control (ABC)

Secretariat: Public Safety and Homeland Security

Investment Status: Project Initiation Approval

Project Description:

The Point of Sales (POS) Environment Upgrade project will upgrade ABC's entire POS software system to current operating system (OS) and POS software. The current POS software system runs on Windows XP and will not operate on the next generation of Windows OS. The new POS operating system will utilize the Systems Applications Products (SAP) software suite and provide the agency with a faster, and more reliable and technically-advanced solution.

Project Scope:

The Point of Sales Environment Upgrade project scope includes the following:

- POS operating system upgrade to Windows 7 or Linux
- Server operating system upgrade to Windows Server 2008 R2 or 2012 version
- POS application upgrade to version 2.3, which is downloadable under the current ABC support contract
- New purchase of scan guns compliant with SAP POS software, which will reside and authenticate on active directory
- Mobile POS upgrade to new third party software (Red Iron) compliant with SAP

Vendor support from SAP for software testing and special ABC configurations will be a portion of the allocated costs, and third party vendor support will also be needed for implementation of the image installation at each store during off hours of operations, and conformance to SEC-501 and PCI-DSS requirements.

Appendix C - 2015 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: Investment Business Case Approval

Project Description:

The Web Redesign-Phase II project will further 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:

- optimizing website functionality
- enhancing online ordering
- improving the website experience for retail customers and licensees
- 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 - 2015 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:

The Yorktown Museum Replacement–Technology project will install the requisite technology components for the Yorktown Museum replacement project, including exhibit technology, audio visual components, wireless, data and telecommunications. The Yorktown Museum Replacement project will improve the necessary IT infrastructure in order to accommodate expected future visitation.

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.