

Appendix C - 2014 Major IT Project Descriptions

Project Formal Title: ABC Licensing and Compliance System

Agency: Department of Alcoholic Beverage Control (ABC)

Secretariat: Public Safety & Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

The ABC Licensing and Compliance System will store and maintain all information related to the licensee applications, licensee records and license compliance records. The system will allow public access to the license application, renewal and compliance processes through a Web-based portal.

Project Scope:

The scope of the ABC Licensing and Compliance System includes the replacement of the existing Core, Webcore, eLFI, Licensee Search, WebInvize, Invize, eBanquet and CMS (regulatory function only) applications. The new system should:

- Improve regulatory workforce efficiency through better data analysis capabilities
- Improve administrative and regulatory workforce efficiency in processing license applications, renewals and compliance
- Improve public access and customer service through a Web-based portal
- Reduce risk in technology obsolescence by migrating to current industry standard technologies
- Reduce risk in lack of organizational knowledge of technologies currently employed

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Project Formal Title: Audit Case Management Mobile System

Agency: Department of Taxation (TAX)

Secretariat: Finance

Investment Status: Investment Business Case Approval

Project Description:

The Audit Case Management Mobile System will allow TAX field staff (auditors/collectors) to use tablets and an audit application that would encompass audit case management and audit workbench. This solution will allow TAX staff to use a tablet and/or smart phone in the field to assist taxpayers with filing returns and paying their taxes.

Project Scope:

The scope of the Audit Case Management Mobile System includes 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 accounts receivables, and will load audit returns automatically with the appropriate compliance code and no additional involvement by other staff.

Credit and debit payments will be processed using the Square, an electronic device that is attached to the tablet or Smartphone. The staff representative will be able to take the payment 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 will also decrease paperwork for the representative and save TAX time and money because funds will be processed more efficiently. There will be no delays or costs for mailing, and the paper return and check processes are eliminated.

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Project Formal Title: 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 Commonwealth Integrated Payroll Personnel System (CIPPS) 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: Community Needs Management System

Agency: Department for Aging and Rehabilitative Services (DARS)

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

The Community Needs Management Mobile System project will enhance the existing DARS Peerplace application, The No Wrong Door Community Needs Management System that tracks Home and Community Based Services (HCBS) for its Division for Aging. The enhancement will allow multiple entities to migrate from the Virginia Department of Social Services (VDSS) ASAPS System to the Peerplace application, and will combine the functionality of both systems.

The entities that will migrate to Peerplace include:

- DARS Adult Services (AS) and Adult Protective Services (APS) Division (AS/APS)
- AS and APS representatives at the local Department of Social Services (LDSS) offices

The existing Peerplace application meets 75 percent of business requirements needed for AS and APS.

Project Scope:

The scope of the Community Needs Management Mobile System project includes the following:

- The customization of Peerplace to support an estimated 1000 users, including the 120 local DSS offices (LDSS)
- Enhancements made by Peerplace Networks LLC to meet the defined DARS AS/APS Division and LDSS AS/APS representatives' business requirements
- User Acceptance Testing (UAT) within DARS and at pilot locations selected by DARS and the LDSS offices
- Migration from the VDSS ASAPS System to the Peerplace technology
- Training provided by Peerplace LLC to DARS selected Subject Matter Experts (SME) The SMEs will provide training and testing support to pilot locations
- Building a data exchange between the Peerplace application and the DARS HCBS Data Warehouse

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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 so that VDOT can 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.

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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 internally share and act on customer information, and will process and respond 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 more fully define and refine CSC business processes and system requirements necessary to effectively enhance 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: Death Registry Interface (DRI)

Agency: Department of Medical Assistance Services

Secretariat: Health & Human Resources

Investment Status: Project Initiation Approval

Project Description:

The Death Registry Interface project will establish a death reporting service/interface between the death registry and the commonwealth's enterprise service bus (ESB). The service will be supported by an extract of the minimum required fields to identify a death record.

Project Scope:

The scope of the Death Registry Interface project will support an inquiry death service on the ESB, and a publish-and-subscribe model that will allow the registry to actively publish new death notices as they occur. This will allow subscribers to trigger appropriate processing based on the notification.

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Project Formal Title: DOJ - Data Warehouse

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

Secretariat: Health & Human Resources

Investment Status: Project Initiation Approval

Project Description:

The DOJ – Data Warehouse project will collect and report data relating to compliance with the federal Department of Justice (DOJ) settlement agreement. The Department of Behavioral Health and Developmental Services (DBHDS) will purchase or develop a data warehouse application for the storage, aggregation and reporting of this data.

Project Scope:

The DOJ – Data Warehouse project will collect and report data from DBHDS' five (5) institutions serving individuals with intellectual disabilities, nine (9) mental health facilities, an acute care hospital and the Virginia Center for Behavioral Rehabilitation. Currently data is collected and stored in numerous formats and databases, and data resides on servers and PCs in multiple locations, including the Commonwealth Enterprise Solutions Center (CESC), DBHDS' Central Office and DBHDS facilities.

The data warehouse will allow DBHDS to store, summarize, analyze and report all essential information that is required by the federal Department of Justice to oversight officials appointed by the court. The data will include information related to client outcomes and other data requested by the court or the oversight official. DBHDS will be able to efficiently and effectively manage data from multiple source systems so that reporting mandates can be met, and to mine data to identify patterns and trends, providing input for service and process improvements. The data warehouse will be designed so that it can be expanded to include additional DBHDS information needed for federal and commonwealth, grants and other reporting and analysis uses.

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

Agency: Department of General Services

Secretariat: Administration

Investment Status: Investment Business Case Approval

Project Description:

The DRES - Integrated Real Estate Management System Replacement project will replace the Division of Real Estate Services 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: EDSP – Eligibility Modernization – Program Migration Project

Agency: Department of Social Services (DSS)

Secretariat: Health & 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 will also 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 will also 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 will also allow for a self-service feature for taxpayers when they forget their passwords. This new functionality has been requested by customers and will significantly improve electronic interaction.

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Project Formal Title: Electronic Death Registration (EDR)

Agency: Department of Health (VDH)

Secretariat: Health & Human Resources

Investment Status: Project Initiation Approval

Project Description:

The Electronic Death Registration (EDR) system is a proposed Web-based system that would allow for the electronic capture of death data from funeral service licensees, state medical examiners and state physicians. The system would allow the VDH Division of Vital Records (DVR) and local health departments to issue and retain death certificates electronically and would replace the manual process that is currently used. The Electronic Death Registration system is expected to reduce reporting delays, improve data quality and increase the utility of death data.

Project Scope:

The Electronic Death Registration (EDR) system will allow DVR to go from a paper-based reporting system to an electronic filing system. The EDR will be a Web-based system that will allow the many participants of the death registration process to remotely submit, register and certify deaths occurring in the Commonwealth of Virginia. Electronic registration of deaths will gradually replace the current paper-based system. DVR is mandated by the Code of Virginia §32.1-273.1 to fully automate the system of vital records. The development of the EDR system will help fulfill this mandate and improve response time to customers, thus enhancing customer service and helping the division fulfill proposed federal mandates that will be set forth in the Intel Reform Act. This federal reform will impact the issuance and retention of all vital records across the nation. The proposed EDR system will also help DVR address their physical storage issues by helping to alleviate the growing need for more space to address the concern of retaining paper copies on-site.

The stakeholders (DVR, funeral directors, OCMEs, physicians), the Office of Information Management, along with the users of the Division of Vital Records propose to develop an in-house, customized, Web-based Electronic Death Registration system that will meet the needs of the business users and that can be seamlessly integrated, with only nominal costs, into the current Virginia Vital Events and Screening Tracking System (VVESTS), which was also developed and created in-house by OIM. OIM is proposing to add the (EDR) system as a new subsystem to VVESTS, thus reducing many disparate systems into a single, central database that will lower maintenance cost.

The project scope includes the development and implementation of business policies, processes and procedures relating to death certificates, the implementation of an information system to register human deaths in the commonwealth and the issuance of death certificates.

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Project Formal Title: Electronic Health Records (EHR)

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

Secretariat: Health & Human Resources

Investment Status: Project Initiation Approval

Project Description:

The Electronic Health Records (EHR) project will replace legacy systems with integrated clinical applications sharing an electronic medical record repository. 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 Electronic Health Records (EHR) project is to implement an electronic medical record repository and clinical applications at each DBHDS facility and Central Office. The project would replace legacy systems and integrate with recent IT investments, such as AVATAR, 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 & Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

Currently, inmate medical records are in paper form and these documents have not been integrated into Virginia CORIS. VADOC would like to automate these healthcare records and merge the medical records with Virginia CORIS.

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
- Integrating with Virginia CORIS, which is the DOC offender management system
- 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 Medical Records will include medical and mental health records (pharmacy, dental, etc. are also possibilities) for offenders across the commonwealth. As an integrated offender management system, a critical component of Virginia CORIS is the inclusion of offender medical records. Currently we have medical files on all offenders in paper format and are unable to track expenses effectively without an integrated system.

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Project Formal Title: Enhanced Credentialing Components (EC2)

Agency: Department of Motor Vehicles

Secretariat: Transportation

Investment Status: Investment Business Case Approval

Project Description:

The Enhanced Credentialing Components (EC2) project will build on the technology of the Commonwealth Authentication Service (CAS) by expanding citizen identification coverage for up to 99 percent of COV citizens while also enabling out of state credentialing so that non-Virginia citizens will be able to conduct Web-based business with Virginia CAS enabled agencies. The online identity authentication services will be expanded to include enhanced credentialing services for all commonwealth agencies to use and the services will be accessed directly by the consumer or through an agency's website

Project Scope:

The Enhanced Credentialing Components (EC2) project scope includes introducing two additional commercial data sources for vetting and two additional IdPs for authentication. EC2 involves enhancing CAS to accept "strengthened" commercial credential data from commercial data providers (i.e., LexisNexis, Equifax or Experian) and commercial identity providers (i.e., Google, LinkedIn or Microsoft Live) to grant public access to commonwealth Web services. EC2 will feature integration with the Cross Sector Digital Identity Initiative (CSDII), Virginia's pilot under the National Strategy for Trusted Identities in Cyberspace.

In partnership with the Department of Medical Assistance Services (DMAS), the Virginia Information Technologies Agency (VITA), the Department of Social Services (DSS), the Virginia Department of Health (VDH) and the Virginia Department of Health Professions (DHP), DMV will deliver enhancements to the shared enterprise service for authentication of individuals and organizations by leveraging the Service Oriented Architecture (SOA) and Enterprise Data Management (EDM) solutions in support of the eHHR initiative. The EC2 solution will be offered in conjunction with CAS as a state-wide shared service by VITA. CMS is providing the required funding for the Commonwealth Authentication Service Project through DMAS.

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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 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, Health and Human Resources' 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: FACE - Mainframe Transformation - Phase I

Agency: Department of Motor Vehicles FACE PMO

Secretariat: Transportation

Investment Status: Investment Business Case Approval

Project Description:

The FACE – Mainframe Transformation – Phase 1 project will accomplish the overarching Business Layer Transformation and eliminate DMV's dependence on the IBM mainframe system utilizing Natural and ADABAS languages. DMV's current set of automated solutions is outdated and the FACE program through a series of projects will satisfy the upgrade, improvement and future maintenance of DMV's automation needs. This is the second of three major transformation phases.

Project Scope:

The FACE - Mainframe Transformation – Phase 1 project scope includes transforming end-of-life applications business logic to modernized environments, the scope of which includes but is not limited to:

- Analyzing existing code for business logic, edits, outdated or obsolete modules
- Documenting code to be migrated
- Optimizing and improving code as deemed necessary or desired from analysis and documentation
- Transforming code utilizing appropriate methods as determined during analysis

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Project Formal Title: 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 (Department of Accounts) current financial system, Commonwealth Accounting and Reporting System (CARS). The base is an Enterprise Resource Planning (ERP) implementation of general ledger and accounts payable, the two accounting features currently contained within CARS.

Project Scope:

Financial Management Enterprise Rollout (Cardinal Project Part 3) will include out-of-scope agencies, such as restructured higher education and agencies with agency-based financial systems that will develop an interface to the Cardinal Base. The Base system will be deployed to all current CARS agency users (approximately 60) and interfaced with the financial systems that currently interface to CARS. The scope of this project also includes the Change Leadership Training required to migrate from CARS to the new system and the evaluation options for eVA.

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Project Formal Title: Financial Management System

Agency: Virginia Employment Commission (VEC)

Secretariat: Commerce and Trade

Investment Status: Project Initiation Approval

Project Description:

The Financial Management Accounting System will replace the current mainframe batch system. The new system will include modules for general ledger, cost accounting with various cost allocations (e.g., time distribution), accounts receivable, integrated procurement, accounts payable and encumbrance. Financial data will be processed in an online, real-time environment. These features will greatly improve efficiency in financial processes, availability of management information and the accuracy of accounting reports, thus reducing the potential for audit findings.

Project Scope:

The scope of the Financial Management System project includes all activities necessary to acquire, implement and support a modern, integrated Financial Management Accounting System to replace VEC's 40-plus-year-old mainframe batch system. These activities include procurement of software and system integration services, fit-gap analysis, configuration, customization, development, testing, training and rollout. The intention is to find a commercial off-the-shelf (COTS) solution that will meet most of the Commonwealth of Virginia's requirements and augment it with minimal customizations to meet VEC's Department of Labor requirements.

The replacement Financial Management System will consist of the following high-level areas:

- General ledger
- Accounts payable / Resources on Order (ROO)
- Accounts receivable
- Budgeting / financial planning
- Fund and grant accounting
- Purchasing and requisitions
- Cost accounting / allocations, (e.g., VITA Telecommunications bill, time distribution (employee timekeeping))
- Interfaces to and from other systems

The accounting system must adhere to a wide variety of requirements originating from several sources, such as:

- Generally Accepted Accounting Principles (GAAP)
- Federal reporting and auditing requirements (incl. Dept. of Labor)
- State reporting and auditing requirements
- VEC financial reporting requirements

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Project Formal Title: FMS Sun Set and Data Marts

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The implementation of the Cardinal Project will necessitate the sun setting of both the FMSI and FMSII financial systems. The Highway FMS Data Mart - Sun Set project will retain critical information from the FMSI and FMSII financial systems and create a financial data store for reporting purposes.

Project Scope:

The Financial Management System project will provide the following deliverables:

- Provide a strategy and approach for the FMSII system retirement that will address:
 - Documentation and records retention
 - Data archival – data archival products
 - Data deletion policies
 - System access and restrictions
 - System components archival
 - Operations shutdown schedule
 - Removal of VITA-Northrop Grumman support services (hardware/networks)
 - Licensing issues
 - Removal of software from active use
 - Proposed software restore strategy
 - Interface shutdown – internal and external
 - Potential audit issues
 - Help desk response strategies
 - Ongoing support cost estimates
 - Continued access to financial data - data retrieval
 - Creation of Financial Data Marts housing historic FMS data
- Coordination of the FMSII System shut down with Cardinal FMS implementation requirements. This will involve working with both the fiscal and Cardinal business customers.
- Data Mart reporting requirements will be defined in collaboration with VDOT business customers.

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Project Formal Title: HIPAA Upgrade Code Set (ICD-10)

Agency: Department of Medical Assistance Services (DMAS)

Secretariat: Health & Human Resources

Investment Status: Project Initiation Approval

Project Description:

The Center for Medicare and Medicaid Services (CMS) has passed regulation requiring the HIPAA Upgrade Code Set (ICD-10) version of Code Sets be implemented. DMAS must implement the new version in order to remain HIPAA compliant and continue to receive and send electronic eligibility, claims and payment data with approximately 50,000 providers and 300-plus service centers. Implementation of the changes will require modification to the MMIS, extensive provider outreach and trading partner testing.

Project Scope:

The scope of the Upgrade Code Set (ICD-10) project includes updating the CMS mandated ICD-10 code sets on the MMIS. The systems, activities and products included are:

- Updates to systems, interfaces and operations that are required to implement the following code sets:
 - ICD-10-CM Diagnosis Codes
 - ICD-10-PCS Procedure Codes
- Updates to the following systems:
 - Virginia MMIS
 - DB2 Tables, CICS/COBOL programs, copybooks and screens
 - Graphical User Interface (GUI) Host Application Transformation System (HATS)
- Updates to the following interfaces:
 - JSURS
 - SAS
 - CyberFormance
 - KePRO
 - Clifton Gunderson
 - Price Waterhouse Coopers
 - Thomson-Reuters – ICD code and length of stay data
 - Data entry
 - Virginia Executive Support System (ESS)
 - Virginia Web Portal
 - Virginia Integrated Voice Response (IVR) and Automated Response System
 - Pharmacy Data Warehouse
- Installation and testing of ICD-10 compliant versions of the following third party software:
 - 3M - DRG grouper and 3M - EAPG grouper
 - McKesson – ClaimCheck

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Project Formal Title: HIT/MITA Program

Agency: Health and Human Resources Enterprise

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

The HIT/MITA Program will align the commonwealth with federal direction relative to the American Recovery and Reinvestment Act (ARRA) and the Patient Protection and Affordable Care Act of 2010 (PPACA). These acts present significant funding opportunities to improve the quality and value of American healthcare. PPACA mandates Medicaid expansion in 2014, which is predicted to increase Virginia's Medicaid membership by 35-45 percent. Leveraging the federal funding opportunities to offset the impact of expansion is an important investment in Virginia's future.

Project Scope:

The HIT/MITA Program and the federal funding available under ARRA and PPACA provide opportunities to achieve the following outcomes for Virginia:

- Build on current health reform efforts
- Modernize information technology infrastructure as an enabler for future business transformation
- Provide a technical environment where standards-based interoperability is possible between new and legacy systems
- Provide Web-based, self-directed service options for human services
- Reduce the need for large administrative and operational staff for federal and state programs
- Reduce overall long-term technology costs for federal and state programs
- Provide an enterprise technology environment that is accessible on a pay-for-use basis by federal, state and local governments as well as non-government organizations, community-based services and commercial interests as allowed by policy

Appendix C - 2014 Major IT Project Descriptions

Project Formal Title: HR ECM and Workflow Optimization

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The HR ECM and Workflow Optimization project will develop a secure repository containing electronic personnel file information for current VDOT employees, develop standard business process and electronic content management for HR's three highest priority workflows, and develop a solution that leverages the agency's SharePoint Server 2010 to meet VDOT HR's workflow improvement and electronic content management needs.

Project Scope:

The scope of the HR ECM and Workflow Optimization project includes developing standard business process and electronic content management for HR's pay action, annual performance management and critical hire workflows, and converting the three manual paper-based workflows into an electronic content management system with automated workflows.

The project will improve HR's overall productivity, service levels and data accuracy while maintaining cost effectiveness and compliance with HR, IT and records management's regulations, policies and standards.

There is a huge opportunity for other organizations and agencies outside of VDOT to learn from this initiative. Other organizations who are interested in optimizing their HR processes have already expressed interest in learning about the benefits and results of this project effort. Identification of those agencies with potential interest (such as VITA and VCCS), and making recommendations and sharing project deliverables with those organizations will be made at the conclusion of this project or as requested.

Appendix C - 2014 Major IT Project Descriptions

Project Formal Title: Immunization Registry Interface (IRI)

Agency: Department of Medical Assistance Services

Secretariat: Health & Human Resources

Investment Status: Project Initiation Approval

Project Description:

The Immunization Registry Interface project will establish an immunization service/interface between the immunization registry and the commonwealth's enterprise service bus (ESB). The interface will support new and updated immunization activity submitted by participating organizations, such as hospital providers, to the Virginia Immunization Information System (VIIS). The project will require the use of HITSAC endorsed messaging standards.

Project Scope:

The scope of the Immunization Registry Interface project includes all participating organizations that currently create files for import into VIIS. There will also be a component to the Immunization Registry Interface project in which VDH is expected to participate in the HIE pilot phase.

Current immunization service/interfaces include: Immunization DE, Immunization DE - Carillion Hospital and Immunization DE – UVA.

Current messaging partners include: Sentara, Coventry, Air Force, CHKD, Fairfax County, Anthem, UVA, VA Premier and Carillion Hospital.

The service will not support legacy file formats. These formats will be supported through the current messaging routes.

Appendix C - 2014 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 - 2014 Major IT Project Descriptions

Project Formal Title: OEBS Expansion to Inventory

Agency: Department of State Police (VSP)

Secretariat: Public Safety & 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.

Appendix C - 2014 Major IT Project Descriptions

Project Formal Title: PCI/Credit Card Data Storage Project

Agency: Department of Motor Vehicles

Secretariat: Transportation

Investment Status: Investment Business Case 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 setup 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 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

Appendix C - 2014 Major IT Project Descriptions

Project Formal Title: PMIS Migration from UNISYS

Agency: Department of Human Resources Management

Secretariat: Administration

Investment Status: Investment Business Case 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, and 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 that has a 97 percent usage. Consequently, DSS has born 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 NG, 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.

Appendix C - 2014 Major IT Project Descriptions

Project Formal Title: Point of Sales Environment Upgrade

Agency: Department of Alcoholic Beverage Control (ABC)

Secretariat: Public Safety & Homeland Security

Investment Status: Project Initiation Approval

Project Description:

The Point of Sales Environment Upgrade project will upgrade VABC's entire POS software system to current OS and POS software. The current POS software system runs on Windows XP and will not operate on the next generation of Windows operating system. The new Point of Sales operating system will utilize the 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 - 2014 Major IT Project Descriptions

Project Formal Title: PPM@VDOT

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Investment Business Case Approval

Project Description:

The PPM@VDOT project will implement a Project Portfolio Management (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 - 2014 Major IT Project Descriptions

Project Formal Title: PreConstruction/CRLMS

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The TRNS PORT PreConstruction//Civil Rights Labor Management System (CRLMS) project will upgrade the existing AASHTOware™ client server Proposal and Estimates System (PES), and Letting and Awards System (LAS) to a .net platform on a unified database. The project will also add Civil Rights functionality. The project will reduce the need for multiple stand-alone systems to collect civil rights and labor compliance information to meet federal and state reporting requirements.

Project Scope:

The TRNS PORT PreConstruction//Civil Rights Labor Management System (CRLMS) project will:

- Migrate the current Proposal and Estimating System (PES)/Letting and Awards System (LAS) functionality to Preconstruction
- Add Civil Rights functionality to the TRNS PORT suite of applications
- Utilize outside design resources via the Web-based application
- Modernize and standardize the TRNS PORT platform
- Provide a vehicle to track the Public Private Partnership projects
- Improve Disadvantaged Business Enterprise (DBE), Women owned Business Enterprise (WBE), and Small, Women-owned, and Minority-owned Business (SWaM) vendors tracking

The project implementation will include the review of the current client-server processes, and the Civil Rights division processes related to contract and project management. VDOT will use the AASHTO vendor InfoTech as needed to set up and provide training of the base system to ensure that the VDOT IT TRNS PORT staff is well versed in the tools needed to create reports and perform necessary support.

Appendix C - 2014 Major IT Project Descriptions

Project Formal Title: Replacement and Enhancement of the Central Criminal History (CCH) Application

Agency: Department of State Police (VSP)

Secretariat: Public Safety & Homeland Security

Investment Status: Project Initiation Approval

Project Description:

The Centralized Criminal History (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 the Virginia State Police (VSP) 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 commercial off-the-shelf (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 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 Department of Corrections
- 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 - 2014 Major IT Project Descriptions

Project Formal Title: Replacement and Enhancement of the Statewide Incident-Based Reporting System (IBRS)

Agency: Department of State Police (VSP)

Secretariat: Public Safety & Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

The Replacement and Enhancement of the Statewide Incident-Based Reporting System (IBRS) project will replace the current statewide IBRS that operates on legacy technology and does not meet the needs of the law enforcement community in Virginia. Consulting services will be used to gather the requirements for the target system. Once the requirements have been gathered, the agency will survey the market to determine whether a suitable commercial off-the-shelf (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 Virginia State Police (VSP), and training services for VSP and the local agencies.

Project Scope:

The scope of the Replacement and Enhancement of the Statewide Incident-Based Reporting System (IBRS) project will:

- Provide users with additional functionality by moving IBR to a modern software environment
- Improve data quality, completeness and usefulness by:
 - Expanding reported IBR data to include other incident data such as geocodes
 - Capturing Virginia's Offense Tracking Numbers (OTNs) so that incident data may be linked to criminal history, court and other databases
 - Providing better access to the IBR information by the local agencies for improved crime analysis
- Provide local and state agencies with efficient access to IBR data with improved ad hoc report generation capability developed using an industry-standard reporting tool
- Upgrade data submission standards to include OTNs, National Data Exchange (N-DEx) and the Global Justice XML Data Model (GJXDM); It is also probable that data standards related to the Law Enforcement Information Exchange (LInX) will be included
- Link IBR data with criminal history, wanted persons and other databases using incident numbers, OTNs and State IDs (SIDs)

Appendix C - 2014 Major IT Project Descriptions

Project Formal Title: Rhapsody Connectivity (RC)

Agency: Department of Health

Secretariat: Health & Human Resources

Investment Status: Project Initiation Approval

Project Description:

The Rhapsody Connectivity project will connect the Virginia Department of Health (VDH) and DGS Department of Consolidated Laboratory Services (DCLS) Rhapsody COV Enterprise Service Bus (ESB) for development, testing and production environments. The project is needed for DCLS and VDH to participate in the HIE Pilot Phase. The Orion Rhapsody data integration engine is used by DCLS and VDH to facilitate the accurate and secure exchange of electronic data using the ESB.

Project Scope:

The scope of the Rhapsody Connectivity project interfaces VHD and DCLS for messaging.

Departments, Agencies and Organizations impacted include:

- Department of Medical Assistance Services (DMAS)
- Department of Social Services (DSS)
- Virginia Department of Health (VDH)
- Virginia Information Technologies Agency (VITA)
- National Association for Public Health Statistics and Information System (NAPHSIS)

The project includes the following major technology components:

- Rhapsody Integration Engine (Orion Health product): A healthcare-specific integration engine and service bus
- Rhapsody intuitive tools and extensive healthcare standard support with HL7, NCPDP, and X12 natively included
- Enterprise Service Bus (IBM product): communications hub for the enterprise and the WSRR service registries for lookup of available services

Appendix C - 2014 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 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 - 2014 Major IT Project Descriptions

Project Formal Title: STARS Asset Management Tracking System

Agency: Department of State Police (VSP)

Secretariat: Public Safety & Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

The Statewide Agencies Radio System (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 - 2014 Major IT Project Descriptions

Project Formal Title: Straight Line Diagram

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The Straight Line Diagram (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 Straight Line Diagram (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 & 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 - 2014 Major IT Project Descriptions

Project Formal Title: Telecommunications Expense (Management) and Billing Solution (TEBS)

Agency: Virginia Information Technologies Agency (VITA)

Secretariat: Technology

Investment Status: Investment Business Case Approval

Project Description:

The Telecommunications Expense (Management) and Billing System (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 Telecommunications Expense (Management) and Billing System (TEBS) project scope includes the following stakeholders: Telco 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), Customer Account Managers (CAMS), Telco Services, Billing, and Telco 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 - 2014 Major IT Project Descriptions

Project Formal Title: Traffic Data Performance Management System

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The Traffic Data Performance Management System project will implement the Iteris Performance Management System (iPeMS), the selected COTS product to archive and support analysis of VDOT's traffic performance related data.

Project Scope:

The Traffic Data Performance Management System project scope includes the extraction of information from real-time intelligent transportation systems (ITS) and other sources, processing the data and storing the data in a data warehouse. The data will then be available to users of the system in various forms.

Appendix C - 2014 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 - 2014 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 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 - 2014 Major IT Project Descriptions

Project Formal Title: Web Redesign

Agency: Department of Alcoholic Beverage Control (ABC)

Secretariat: Public Safety & Homeland Security

Investment Status: Project Initiation Approval

Project Description:

The Web Redesign project will redesign the Department of Alcoholic Beverage Control (ABC) website to allow for an online ordering service for retail customers. The redesign will provide an interactive searchable catalog that will increase customer awareness of products, product descriptions and locations. The website redesign will also allow primary customer groups to quickly find their respective service portal and will ensure the site is easy to navigate based on user input, user data, and performance metrics.

Project Scope:

The Web Redesign project is part of a long term eCommerce strategy to help ABC improve processes, customer service, and experiences. The scope of this project includes:

- A website redesign of www.ABC.Virginia.gov
- Implementation of a content management system, and a web solution that automates publication of content to the internet site, application, and data integration
- Select e-Commerce capabilities, i.e., an online ordering option for retail customers, an interactive product catalog and an interactive events calendar.

The Website Redesign project will establish a high-quality design and layout that enables licensees to find regulatory and product information; and enables the general public, suppliers and legislators to find information about the agency's diverse programs.

The Website Redesign project will procure a content management system that allows designated employees to make real-time updates and will decrease reliance on technical staff to produce website changes. Specifically, ABC is seeking a redesigned website that:

- Better reflects ABC's mission and brand promise of "Control, Service and Revenue"
- Is built using a Content Management System that enables real-time updates and reduced maintenance costs for subsequent years
- Provides the foundation for additional e-Commerce services such as on-line ordering of standard products
- Incorporates best practices in technology and multimedia related to industry, VITA, government, and security standards
- Is compliant with provision 508 of the Americans With Disabilities Act (ADA).

Appendix C - 2014 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.