

Appendix C - Project Descriptions

Project Formal Title: AFIS Upgrade to Integra – Phase 1

Agency: Department of State Police (VSP)

Secretariat: Public Safety

Investment Status: Project Initiation Approval

Project Description:

The AFIS Upgrade to Integra – Phase 1 project will upgrade the current AFIS system hardware and software to the new NEC Integra ID system. This new system will be installed at the VSP central site and will offer added flexibility in the automated workflow options and specifications and support the projected increase in transaction volume. The proposed redundant hardware solution will offer improved disaster recovery possibilities. The proprietary hardware matchers will be replaced with off-the-shelf hardware and software matching.

Project Scope:

The scope of the AFIS Upgrade to Integra – Phase 1 project will include the new functionality for Mobile ID identifications and submission of the searches to the FBI Repository of Individuals of Special Concern (RISC) with responses from both searches being returned to the requester. The current database will be converted to the new Automated Biometric Identification System (ABIS) format which will be utilized by the future phases of the program.

Appendix C - Project Descriptions

Project Formal Title: Birth Reporting Interface (BRI)

Agency: SHHR HIT/MITA PMO

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

The Birth Reporting Interface project will establish a birth reporting service/interface between the birth registry and the COV Enterprise Service Bus (ESB). The system of record for all birth records will be the VVESTS (Virginia Vital Events and Screening Tracking System).

Project Scope:

The scope of the Birth Reporting Interface project will support a HITSAC approved data standard which should align with the EDM standards, support a Publish/Subscribe model, .and will require use of HITSAC endorsed messaging standards.

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Project Formal Title: Cardinal

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The Cardinal project will replace the FMS II application. FMS II is a critical component of VDOT's operations. It processes many agency-critical transactions (purchase orders, vouchers, bills, payroll files) and "touches" an estimated 18 applications (10 internal, 8 external) that require financial data to successfully process a business transaction. The system needs to be replaced in order to remove the operational risks associated with an unsupported application.

The new system will serve as the agency's financial management system of record and will provide VDOT with a robust financial management system based on leading business practices. The system will allow VDOT to continue to be compliant with internal financial control policies, as well as external mandates from DOA, FHWA, IRS, GAAP and GASB. The solution will be based on a COTS ERP family of products and will be hosted by the VITA/Northrop Grumman Partnership.

A goal of the project is to have very limited software modifications; therefore, a significant Business Process Reengineering (BPR) effort is envisioned. A key element of this project is to establish data standards for financial management. As part of the establishment of enterprise data standards, the requirements defined in the Commonwealth Business Architecture will be reviewed to ensure consistency with any new standards.

Project Scope:

The functional scope of the Cardinal project includes General Ledger, Accounts Payable, Accounts Receivable, Project Accounting, Purchasing, and Time and Attendance. The project scope includes the procurement, design, development, testing, training and rollout of Commercial-Off-The-Shelf (COTS) Enterprise Resource Planning (ERP) software.

There are two phases to the VDOT Cardinal Project. Phase 1 is the replacement of VDOT's agency-based financial management system. The current financial system has over 5,000 users and interfaces to an estimated 30 other agency-based systems. Sound financial processes and internal controls are fundamental to VDOT being able to effectively manage its \$4B budget and execute transportation business operations in accordance with the agency's strategic plan

Phase 2 will include implementing a "Base" financial system for the Commonwealth by establishing a second instance of the application to serve as the basis for a statewide ERP. This will entail a fully functional, configured and tested production environment for the GL and AP functional areas. As additional resources are available to the Commonwealth, the system can be rolled out to the additional agencies and additional functionality can be implemented to achieve all of the benefits of an ERP. These additional efforts would be part of subsequent projects - not part of the VDOT Cardinal Project.

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Project Formal Title: Commonwealth Authentication Services (CAS)

Agency: Department of Motor Vehicles (DMV)

Secretariat: Transportation

Investment Status: Investment Business Case Approval

Project Description:

Through the collaboration of the Technology, Health and Human Resources, and Transportation secretariats, on-line identity authentication services will be built for all Commonwealth agencies to use. The Commonwealth Authentication Services (CAS) project will implement a COTS project with the assistance of an implementation partner so that DMV, DSS, DMAS and the Health Information Exchange (HIE) can all leverage a common authentication system for users to gain access to selected customer-facing systems. The CAS system will be hosted, operated and maintained by VITA as a shared service, and participating agencies will pay to use CAS. Once CAS is fully operational, additional agencies will be encouraged to convert over from their own point-solutions to CAS.

The CAS project team has been established to lead the Commonwealth's efforts to improve and modernize the Medicaid program's information technology infrastructure. The project team will design, develop, and configure the requisite software and hardware necessary to implement development, test, staging and production environments and provide a service for use in the pilot. The CAS solution will be deployed in a Service Oriented Architecture (SOA) enabled infrastructure and will leverage the Enterprise Data Management (EDM) solutions. In addition, the project team will establish a Competency Center and related governance.

Project Scope:

DMV will configure the COTS product to establish a CAS system that authenticates citizens and businesses using Master Data Management (MDM) technologies. The CAS system will be made available to all Executive Branch agencies. The CAS project will have significant dependencies with the concurrent MDM project.

The following activities are in-scope for the CAS project:

- CAS environment set-up
- CAS application governance
- CAS Service Development (coding and configuration)
- CAS DB development
- CAS security/authentication activities
- CAS standards, policies and procedures
- CAS Competency Center

The following activities are out-of-scope for the Commonwealth Authentication Service Project:

- Procure EDM tool and DBMS
- Install and configure EDM Tool
- Establish EDM governance structure
- Establish EDM Competency Center

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Project Formal Title: Commonwealth Enterprise Data Management (EDM)

Agency: Virginia Information Technology Agency (VITA)

Secretariat: Technology

Investment Status: Project Initiation Approval

Project Description:

The Commonwealth Enterprise Data Management (EDM) project will provide an enterprise data management solution that will store enterprise data and facilitate data sharing at an enterprise level. VITA has assembled the Commonwealth EDM project team that will install and configure the data management software and hardware necessary to implement development, test, staging and production environments. The EDM solution will be deployed in a Service Oriented Architecture (SOA) enabled infrastructure that will be delivered by the Commonwealth SOA project. In addition, the project team will establish a Competency Center and related governance.

The IBM Initiate Master Data Service software will serve as the chosen EDM technological solution to support MITA program objectives. Initiate will be used to assemble data from existing COVA systems and will store and maintain enterprise data or 'golden records' (e.g. person, organization, provider). In collaboration with the Department of Motor Vehicles, the project team will pilot Initiate's key functionality. Over time, HHR's utilization of the targeted enterprise data, as well as other COVA agencies, will yield many benefits such as:

- Achieving efficiencies through data re-use
- Enabling data sharing
- Enabling interoperability across state agencies
- Improving customer service

Project Scope:

The following activities are in-scope for the Commonwealth EDM project:

Tool [Initiate] Implementation, Administration and Maintenance:

- Staff training (technical & Competency Center staff)
- Procure EDM tool DBMS
- Install EDM Tool
- CAS/EDM Integration
- CAS/EDM Unit and Acceptance Testing
- EDM Production Migration
- Store and maintain enterprise data (e.g. person, organization, provider)
- Coordinate with DMV, DSS, DMAS, DHP and VDH for initial pilot

Tool [Initiate] Governance:

- Requirements and design activities
- Establish and adopt a Data Architecture
- Establish roles and responsibilities (pre & post implementation)

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- Establish and document policies, procedures and guidelines (e.g. data sharing, security, on-call support, data model limitations, etc.)

EDM Competency Center:

- Strategic planning
- Define service offering
- Billing, reimbursement and distribution model
- Define business processes
- Organization structure/roles and responsibilities
- Develop policies, procedures and guidelines
- Maintenance and support approach
- Communication planning
- Customer outreach (e.g. training, etc.)
- Help Desk approach
- Agency on-boarding

The following activities are out-of-scope for the Commonwealth EDM Project:

- CAS environment set-up
- CAS application governance
 - coding
 - DB development
 - security/authentication activities
 - standards, policies and procedures
- CAS Competency Center

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Project Formal Title: Commonwealth Service Oriented Architecture (SOA)

Agency: Virginia Information Technology Agency (VITA)

Secretariat: Technology

Investment Status: Project Initiation Approval

Project Description:

The purpose of the Commonwealth Service Oriented Architecture (SOA) project is to procure, install, maintain and configure an infrastructure to support a Service Oriented Architecture (SOA). The underlying components will include Enterprise Service Bus (ESB), Universal Description Discovery & Integration (UDDI), Business Process Execution Language (BPEL), Business Activity Monitoring (BAM) and Web Service Manager.

Project Scope:

The Commonwealth Service Oriented Architecture (SOA) project scope will consists of a number of Commercial-Off-The-Shelf (COTS) products. The major components include an Enterprise Service Bus (ESB), a workflow engine, and a business rules engine. The Virginia Information Technology Agency (VITA) has been working closely with the HIT/MITA effort since the project's inception. The MITA vision contemplates extensive program agnostic interoperability. To achieve this objective, a cost shared technical environment is necessary so that all business entities can interoperate with government systems as policy allows. VITA is in a singular position in Virginia to provide this technical infrastructure as an offered service in particular as most state government systems are already hosted by VITA in their data center(s). Furthermore, VITA can architect a cohesive technical solution using existing agency projects as well as ensure that future IT projects/procurements leverage its technology, standards, and processes.

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Project Formal Title: CSC System 2.0

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Investment Business Case 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 citizen's 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.

Appendix C - Project Descriptions

Project Formal Title: DataCap and FileNet Replacement

Agency: Department of Taxation (TAX)

Secretariat: Finance

Investment Status: Identified for Preliminary Planning

Project Description:

The Department of Taxation will replace its data capturing system, DataCap, due to the significant performance issues that have reduced processing throughput by 50 percent. The agency will also replace its imaging system, FileNet, because of excessive storage fees.

Project Scope:

The replacement of the DataCap and FileNet systems will ensure continuous data capturing efficiency, improved performance, and cost avoidance or reduction in storage fees.

Appendix C - Project Descriptions

Project Formal Title: Death Reporting Interface (DRI)

Agency: SHHR HIT/MITA PMO

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

The Death Reporting 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 Reporting 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.

Appendix C - Project Descriptions

Project Formal Title: Decision Support System (DSS)

Agency: Virginia Community College System (VCCS)

Secretariat: Education

Investment Status: Project Initiation Approval

Project Description:

The Virginia Community College System has acquired a commercially available Decision Support System (DSS) to interact with the Oracle PeopleSoft Campus Solutions (CS)/Human Capital Management (HCM) and Financial Management System (FMS) systems, as well as other VCCS enterprise or centrally hosted applications. The Virginia Community College System will enlist an external implementation services partner to assist VCCS internal staff with the implementation. The DSS will include a Data Warehouse and Reporting System to enhance the data and analytics support for decision-making for all functional areas within the 23 community colleges and system office.

Project Scope:

The scope of the Decision Support System is to enhance college productivity and efficiency using the DSS as the single data source for system level and college local reporting needs. Allowing the various offices within the system office and colleges to collect data from VCCS enterprise systems into the DSS will make reporting, research, analysis, and decision support more effective and efficient. This will enable the VCCS to better meet reporting needs that require near real-time data access and access to data snapshots captured on critical dates with the DSS solution.

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Project Formal Title: EAGLES (Electronic Access to the Government Licensing and Enforcement System)

Agency: Department of Professional and Occupational Regulation (DPOR)

Secretariat: Commerce and Trade

Investment Status: Project Initiation Approval

Project Description:

EAGLES will be a web-enabled application implemented to replace the legacy system, the Commercial Licensing and Enforcement System (CLES). EAGLES will also support the agency's new business requirements. These new requirements include the filing of applications for licensure and consumer complaints via the Internet. This project is in line with the Commonwealth's electronic government initiative, which requires that the department be aligned closely with the Digital Signatures and COVA PIN initiative.

Project Scope:

The EAGLES project scope includes employing Versa to provide professional and technical services to implement a licensing system for DPOR to replace CLES. The configuration of the system will be based on a certain number of license types. The vendor will support the following:

- Configuration of 300 license types.
- Creation of document templates (Word documents) that will allow DPOR staff to gain knowledge and experience to create an unlimited number as needed.
- Report development – The vendor will develop some custom reports for DPOR that will allow DPOR staff to gain knowledge and experience to create additional reports as needed.
- Online services/processes and training for:
 - Configuration of online renewal process for 300 license types
 - Configuration of online initial application process for 300 license types
 - Configuration of online verification

Technical resources will be provided by the vendor, VITA and DPOR. VITA will host the processors for the new system and business resources will be provided by DPOR.

Appendix C - Project Descriptions

Project Formal Title: EDS – Customer Portal Enterprise Delivery System Program

Agency: Department of Social Services (DSS)

Secretariat: Health & Human Resources

Investment Status: Project Initiation Approval

Project Description: The Enterprise Delivery System Program (EDSP) represents four major projects: the EDSP Worker Portal, the EDSP Customer Portal, the EDSP Master Customer ID and the EDSP Document Management Imaging System. The four major projects are the foundation for implementing the VDSS vision of an efficient and effective self-service model that provides a streamlined customer-friendly experience. Within the vision, clients will be able to file applications for benefits or services through an online application process, report changes, and manage benefit “accounts” online. Most required materials and verification documents will be scanned and stored electronically, and whenever possible, verification of required information will be captured electronically through a web-based service. Workers and/or automated processes will review applications, ask additional questions and request additional documentation electronically or in print to communicate with customers. As a result, workers will be able to spend more time providing quality service, case management, and accurate determination of eligibility.

Project Scope:

The EDSP-Customer Portal Project will:

- Deliver a web-based J2EE portal system where customers (stakeholders) will be able to
 - file applications for services or benefits through an online application process
 - report changes
 - manage their benefit “accounts” online
 - file renewal applications for services or benefits through an online renewal process
- Allow customers to request services or benefits for the following programs:
 - SNAP (Supplemental Nutrition Assistance Program)
 - TANF (Temporary Assistance for Needy Families)
 - Medicaid
 - LiHEAP (Energy Assistance) programs
- Allow the data entered by the customer to populate data elements in the case management system electronically for the following program:
 - SNAP (Supplemental Nutrition Assistance Program)

The project will leverage the VaCMS base transfer solution that will be installed as part of the VaCMS Project Child Care Subsidy Payment Project and will promote collaboration with other HHR agencies such as DMAS, as it can be leveraged as the foundation for the Customer Portal in the Secretary of Health and Human Resources’ “HHR Gateway”.

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Project Formal Title: EDSP - Customer Portal Enhancements

Agency: Department of Social Services (DSS)

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

The EDSP Customer Portal Enhancements project will enable the existing customer portal to determine Medicaid/CHIP eligibility online by interfacing with the external rules engine, perform MMIS enrollment and disenrollment, access federal and state verification systems, and leverage web services from DMV's Commonwealth Authentication Services (CAS) and VITA's Commonwealth Enterprise Data Management (EDM). This initiative will implement a streamlined, secure, and interactive customer experience that will enable real-time eligibility determination, while protecting privacy and personal identifiable information.

Project Scope:

The EDSP Customer Portal Enhancements project is part of the Enterprise Delivery System Program (EDSP), a program to implement the VDSS vision of an efficient and effective self-service benefits and services model provides a customer-friendly experience.

The scope of the EDSP Customer Portal Enhancements project includes modernization opportunities that will improve and expand the investments made with the Customer Portal project and new case management system for the Child Care Subsidy Program. These opportunities will support information sharing, data gathering, efficiency and effectiveness and customer friendly self-service. The EDSP promotes such a business process model and information technology that is enterprise-wide, interoperable, and expandable across HHR departments in the Commonwealth. The EDSP projects directly support and are inclusive of Health Care Reform initiatives.

Appendix C - Project Descriptions

Project Formal Title: EDSP – Document Management Imaging System (DMIS)

Agency: Department of Social Services (DSS)

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

The EDSP-Document Management Imaging System (DMIS) project focuses on a document management and imaging solution. Throughout the DSS systems, vast amounts of information reside in a variety of paper-based files and disconnected information management systems. Although some DSS entities (e.g. Fairfax County Department of Family Services) possess the ability to transform paper-based information into electronic data forms (images), they are still limited by their inability to share this information across all DSS resources. The exchange of such information from localities using imaged documents to other Virginia localities currently involves printing case information and sending it to the receiving agency.

Implementation of a DMIS will improve information sharing, worker efficiency, and effectiveness. The system will allow electronic imaging and storage of all case related documentation, including client applications and all supporting documents and narratives. The system will provide an effective and accessible method of storing documents used to determine eligibility, as well as support a variety of administrative functions. The electronic images will replace the paper documents. Once scanned, the electronic version will populate data in the system of record and will be designated as the copy for the record. Any document used to establish eligibility, as well as communications from a client or representative, will be imaged and retained. DMIS will provide the capabilities of paper-based document conversion, records management, search, retrieval, storing, and printing, as well as the ability to share electronic records across DSS programs and partners.

Project Scope:

The EDSP-Document Management Imaging System project is part of the Enterprise Delivery System Program (EDSP), a program to implement the VDSS vision of an efficient and effective self-service benefits and services model that provides a customer-friendly experience.

The scope of the EDSP-Document Management Imaging System project includes modernization opportunities that will improve and expand the investments made with the Customer Portal project and new case management system for the Child Care Subsidy Program. These opportunities will support information sharing, data gathering, efficiency and effectiveness and customer-friendly self-service. The EDSP promotes such a business process model and information technology that is enterprise-wide, interoperable, and expandable across HHR departments in the Commonwealth. The EDSP projects directly support and are inclusive of Health Care Reform initiatives.

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Project Formal Title: EDSP - External Rules Engine Development

Agency: Department of Social Services (DSS)

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

The EDSP External Rules Engine Development project focuses on the creation of a configurable and flexible external rules engine that allows non-technical staff to alter and maintain business rules and provides a validation mechanism to ensure the most accurate data is represented, allowing for a quick and accurate determination of eligibility. DSS intends to leverage an existing External Rules Engine (IBM ILOG) as part of the enterprise infrastructure being implemented to support Health Care Reform (HCR) in Virginia.

This system will not only contain the rules for all Medicaid covered groups and FAMIS (CHIP) but it will also contain the rules associated with the Modified Adjusted Gross Income (MAGI) eligibility. The External Rules Engine will include functionality and processing logic to register, define, classify, manage the rules, and verify the consistency of rule definitions. It will also define the relationship between different rules, and relate some rules to IT applications that are affected by or needed to enforce these rules. These processes are for the purpose of adjudicating eligibility based on MAGI, or supporting workflow for the resolution of discrepancies. Any new program workflow will be orchestrated using IBM Process Server. The supplier is responsible for setting up program rules in the External Rules Engine.

Project Scope:

The EDSP External Rules Engine Development project is part of the Enterprise Delivery System Program (EDSP), a program to implement the VDSS vision of an efficient and effective self-service benefits and services model that provides a customer-friendly experience.

The scope of the EDSP External Rules Engine Development project includes modernization opportunities that will improve and expand the investments made with the Customer Portal project and new case management system for the Child Care Subsidy Program. These opportunities will support information sharing, data gathering, efficiency and effectiveness and customer friendly self-service. The EDSP promotes such a business process model and information technology that is enterprise-wide, interoperable, and expandable across HHR departments in the Commonwealth. The EDSP projects directly support and are inclusive of Health Care Reform initiatives.

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Project Formal Title: EDSP – Modernization of VaCMS

Agency: Department of Social Services (DSS)

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

The EDSP Modernization of VA Automated Case Management System (VaCMS) project focuses on initially replacing the current ADAPT database application with modern technology and implementing automated case management for the Medicaid categories, including those not currently automated (Medicaid Aged, Blind, and Disabled/Long-Term Care (ABD/LT)), and incorporating any changes required for health care reform.

While Medicaid will be the first program to be implemented into the new VACMS, it is expected that DSS will leverage the technology to include, as part of this project, common data elements, functions and complimentary rules associated with other programs that will be phased in later. When the system is complete, local departments will have a modern web-based system to support eligibility determinations estimated to be in excess of one million per year.

Project Scope:

The EDSP Modernization of VaCMS project is part of the Enterprise Delivery System Program (EDSP), a program to implement the VDSS vision of an efficient and effective self-service benefits and services model that provides a customer-friendly experience.

The scope of the EDSP Modernization of VaCMS project includes modernization opportunities that will improve and expand the investments made with the Customer Portal project and new case management system for the Child Care Subsidy Program. These opportunities will support information sharing, data gathering, efficiency and effectiveness and customer friendly self-service. The EDSP promotes such a business process model and information technology that is enterprise-wide, interoperable, and expandable across HHR departments in the Commonwealth. The EDSP projects directly support and are inclusive of Health Care Reform initiatives.

Appendix C - Project Descriptions

Project Formal Title: Electronic Contents Management

Agency: Department of Corrections (DOC)

Secretariat: Public Safety

Investment Status: Identified for Preliminary Planning

Project Description:

The Electronic Contents Management project includes the purchase and implementation of an electronic records management system for the DOC including offender paper records, and other administrative paper records utilized within the department that can be associated with an offender, employee, or other entity. Currently, a consolidated electronic records management system for the DOC does not exist.

Project Scope:

The scope for Electronic Contents Management project for the DOC will include offender paper records and other administrative paper records utilized within the Department, which can be associated with an offender, an employee, or other entity.

Appendix C - Project Descriptions

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, OCMs, 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.

Appendix C - Project Descriptions

Project Formal Title: Electronic Health Records (EHR)

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

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

The Electronic Health Records (HER) 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 Medical Records

Agency: Department of Corrections (DOC)

Secretariat: Public Safety

Investment Status: Identified for Preliminary Planning

Project Description:

Currently, inmate medical records are in paper form and these documents are not integrated in Virginia CORIS. VADOC would like to automate these healthcare records and integrate 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 of 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 (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.

Appendix C - Project Descriptions

Project Formal Title: Electronic Lab Reporting Interface (ELRI)

Agency: SHHR HIT/MITA PMO

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

The Electronic Lab Reporting Interface project interfaces the Department of Consolidated Laboratory Services (DCLS) to the Commonwealth's Enterprise Service Bus (ESB) for access by the Health Information Exchange.

Project Scope:

The scope of the Electronic Lab Reporting Interface project includes clinical laboratories throughout Virginia and national clinical reference laboratories that submit reportable disease findings to VDH. The project will also include the test orders submitted to DCLS and the DCLS test results returned. Current partners include VDH and a growing number of Virginia hospitals.

Appendix C - Project Descriptions

Project Formal Title: FACE - DMV Correspondence Transformation

Agency: Department of Motor Vehicles FACE PMO

Secretariat: Transportation

Investment Status: Investment Business Case Approval

Project Description:

The FACE - DMV Correspondence Transformation project will replace all existing correspondence formats and methods of developing and modifying this correspondence. The current solution for developing and modifying correspondence has reached its end of life and is no longer supported. The resulting solution will allow business owners to self-service correspondence and play an expanded role in the creation of new artifacts

Project Scope:

The FACE-DMV Correspondence Transformation scope includes a solution to create and modify an average of 30,000 pieces of correspondence weekly, or 1.56 million pieces annually, many of which are required by Virginia Code. The existing correspondence programs are on the mainframe and will be replaced with a solution that moves the business logic to the middle tier and leverages Adobe LifeCycle for the creation and maintenance of correspondence.

Appendix C - Project Descriptions

Project Formal Title: FACE – Motor Carrier Portal Phase I

Agency: Department of Motor Vehicles FACE PMO

Investment Status: Investment Business Case Approval

Secretariat: Transportation

Project Description:

The FACE–Motor Carrier Portal Phase I project will develop a single point of entry for all motor carrier customer needs, replacing its mixed application environment that consists of outdated systems. The project will manage every aspect of driver and vehicle licensing, fuels tax, inter- and intra-state regulations and licensing.

Project Scope:

The FACE-Motor Carrier Portal Phase I project scope includes DMV’s commercial carrier customers that currently interface with DMV through up to three different systems depending upon the transaction. The new solution should also help to recruit additional motor carrier customers which will represent millions in revenue.

Appendix C - Project Descriptions

Project Formal Title: Financial and Human Resources ERP Package

Agency: Department of Corrections (DOC)

Secretariat: Public Safety

Investment Status: Identified for Preliminary Planning

Project Description:

The Financial and Human Resources ERP Packages project will purchase and install a human resources management application and a financial systems software application to automate the DOC functions in those areas across the Commonwealth. The DOC is unable to maintain current automated data in a useable format to actively manage the large employee base (12,500 employees) and the large annual budget (\$800 million) required to operate this large public safety organization in an efficient manner.

Project Scope:

Currently, no automated single system solution is available at DOC for HR and Financial Management. As a public agency we have an obligation to the citizens of Virginia to manage our resources in the most efficient manner possible and still achieve our organizational mission.

Appendix C - Project Descriptions

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

Agency: Department of Accounts (DOA)

Secretariat: Finance

Investment Status: Identified for Preliminary Planning

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.

Appendix C - Project Descriptions

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 on-line, 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 requirement

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 & 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

Appendix C - Project Descriptions

Project Formal Title: FMS Sun Set and Data Marts

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Investment Business Case 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:

1. 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
 - propose 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
2. Coordination of the FMSII System shut down with Cardinal FMS implementation requirements. This will involve working with both the Fiscal and Cardinal business customers.
3. Data Mart reporting requirements will be defined in collaboration with VDOT business customers.

Appendix C - Project Descriptions

Project Formal Title: Health Benefits Exchange (HBE)

Agency: SHHR HIT/MITA PMO

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

The Health Benefits Exchange (HBE) project will be a fully certified exchange that will accept benefits applications and determine if individuals are eligible for Medicaid or if individuals may purchase health insurance eligible for federal subsidies.

Project Scope:

The scope of the Health Benefits Exchange (HBE) project is to facilitate the comparison, choice, and purchase of health care coverage for individuals and employees of small businesses. The Exchange will also help eligible individuals and small businesses receive premium tax credits and cost-sharing reductions or help individuals enroll in federal or state health care programs.

The Exchange will carry out a number of functions that include:

- Ensuring that health insurers and health benefit plans meet certain standards for Exchange participation
- Providing comparative information on costs, benefits, health care providers, quality, and customer satisfaction using a standard format
- Determining individual, employer, and employee eligibility for Exchange participation, exemptions from individual coverage responsibilities, premium tax credits and cost-sharing reductions, federal and state health care programs.

Appendix C - Project Descriptions

Project Formal Title: Highway Performance Monitoring System (HPMS)

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The Highway Performance Monitoring System (HPMS) supports the Roadway Network Systems (RNS) program within the Department of Transportation (VDOT). The HPMS project includes adding new data fields to RNS for new data; adding classified public roads to the Highway Traffic Records Information System (HTRIS); building a user interface to add/edit data in RNS; and developing a means of managing and creating a file to send all required data to the Federal Highway Administration (FHWA). Currently the legacy Highway Traffic Records Information System (HTRIS) cannot accommodate the new requirements for additional fields and geospatial data. Accuracy of the reported data from the Roadway Network System (RNS) HPMS module will be improved where road data is geospatially referenced.

The HPMS Project will be completed in two phases. Phase I will involve creating a new RNS-HPMS module and adding the new fields mandated by FHWA; evaluating the current universe and sample set and the adequacy of the existing data; and adding missing functionally-classified public roads to Highway Traffic Records Information System (HTRIS). Phase II will build a user interface to add/edit data in RNS (both from HTRIS and new for RNS) to complete the dataset; identify sources for data not in RNS, and develop a means of managing and creating the file to send all required data to Federal Highway Administration (FHWA).

Project Scope:

The scope of the project includes:

- Movement of the Highway Performance Monitoring data maintenance module from the HTRIS mainframe to a module in RNS
- Web-based access for creation and maintenance of HPMS universe and sample data.
- Critical data reporting, mapping and web data viewing capability
- Training for all HPMS users
- Provision of more accurate roadway information that will result in federal funding

Field data collection (methodology, tablet computers, etc.) is not part of this project. Successful reporting is dependent on the collection of roadway field data and is the responsibility of the Maintenance Division and is not part of this project.

Appendix C - Project Descriptions

Project Formal Title: HIPAA Upgraded Code Sets (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 Upgraded Code Sets (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 and extensive provider outreach and trading partner testing.

Project Scope:

The scope of the Upgraded Code Sets (ICD-10) project includes updating the CMS mandated ICD-10 code sets on the MMIS. The systems, activities and products included in the scope of work 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

Appendix C - Project Descriptions

Project Formal Title: Immunization Registry Interface (IRI)

Agency: SHHR HIT/MITA PMO

Secretariat: Health & Human Resources

Investment Status: Investment Business Case 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. They will be supported through the current messaging routes.

Appendix C - Project Descriptions

Project Formal Title: Increase Bandwidth to University Buildings (G2B)

Agency: Virginia Commonwealth University (VCU)

Secretariat: Education

Investment Status: Project Initiation Approval

Project Description:

The Increase Bandwidth to University Buildings (G2B) project includes replacing key electronic components and cabling infrastructure in 121 buildings on the MCV and Monroe Park Campus. The majority of buildings on the VCU network are connected at 100 Mbs (Megabits per second). That bandwidth is shared between all the end users in the building. Demand is expected to increase rapidly as new applications are deployed. To meet that demand, this project will increase building connections to 1 Gbs (Gigabits per second, equal to 1,000Mbs). The feeds to all access layer switches will be inspected and upgraded as necessary to ensure the most efficient aggregation to the building distribution switch

Project Scope:

The Increase Bandwidth to University Buildings (G2B) project will proceed in phases starting with a design and standard-setting phase. Implementation will be tracked building by building, with the schedule based on operational needs. The total project schedule will be approximately 24 months and the costs will include hardware procurement and cabling and staff augmentation services.

Appendix C - 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.

Appendix C - Project Descriptions

Project Formal Title: KATS II: Next Generation Knowledge Automated Testing System Tablets

Agency: Department of Motor Vehicles (DMV)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The KATS II: Next Generation Knowledge Automated Testing System Tablets project will provide an integrated testing operation that combines driver knowledge, road signs, motorcycle, CDL, and various tests from other agencies into one testing system that supports on-site testing at DMV Customer Service Centers as well as remote web-based testing at external business partner sites, such as public schools.

The KATS II Solution will also allow for smart testing, test questions with associated graphics, and an increased capability to provide testing in foreign languages (such as Chinese, Arabic, Urdu, etc.). It will also provide sign language support. The system will have the capability to print and grade randomized tests with graphics at each DMV Customer Service Center.

Project Scope:

The KATS II: Next Generation Knowledge Automated Testing System Tablets project scope is to establish a turn-key services contract, through competitive negotiation, for providing comprehensive automated testing services including all necessary hardware, software, design, development, customization, configuration, installation, training, and on-going maintenance and support.

The KATS II Contractor should own and supply all necessary hardware (servers, workstations, Test Stations, Examiner Consoles, Central Admin Console, all peripheral components, etc.) and software to provide automated testing services to DMV. The Contractor should also provide all necessary service, maintenance, and support.

The KATS II Solution will be installed in all DMV Customer Service Center locations and mobile Customer Service Centers throughout the Commonwealth as specified by DMV.

This project will replace the current KATS system with the Next Generation Knowledge Automated Testing System (KATS II Solution).

Appendix C - Project Descriptions

Project Formal Title: Law Enforcement Activity Management System (LEAMS)

Agency: Department of State Police (VSP)

Secretariat: Public Safety

Investment Status: Project Initiation Approval

Project Description:

The Law Enforcement Activity Management System (LEAMS) project will provide a comprehensive system to support the documentation of criminal investigations and related law enforcement activities and reduce the agency's dependence on burdensome paper-based workflows and difficult-to-change legacy technologies. The system will make use of up-to-date technology to upgrade process controls, management/supervisory oversight, data quality, processing timeliness, system access, analytical tools, and intra-agency and inter-agency cooperation needed to maintain quality law enforcement records as mandated under §15.2.-1722 of the Code of Virginia.

Project Scope:

The Law Enforcement Activity Management System (LEAMS) system will include the following capabilities:

- Create electronic intake documents to record and track all requests for VSP
- Create and manage electronic files for investigations
- Send and receive work using electronic workflow management
- Conduct investigative analysis
- Secure information not only to control system access, but to facilitate internal and external information sharing
- Automatically notify investigators when certain updates are made by other users that may impact their investigation
- Electronically capture incident timeline information
- Provide a comprehensive system to record and track all evidence retrieved, held, and disposed of by VSP personnel
- Record and track legal documents received by VSP personnel and link them to activities performed by VSP personnel to serve or otherwise respond to these documents
- Record and properly secure information on confidential sources so that they can be linked to investigative files and activities without jeopardizing their anonymity
- Expunge records when ordered by a court
- Interface with the following VSP systems: Criminal Funds Accounting System (part of FACTS), Incident Based Reporting (IBR) repository
- Interface with the following external systems: National Data Exchange (N-DEX) and the Law Enforcement Information Exchange (LInX)
- Convert data from legacy systems that is still needed by users.

Three legacy systems--Field Activity Computerized Tracking System, Legal Document Tracking System and Evidence Management System--will be phased out with the implementation of this project.

Appendix C - Project Descriptions

Project Formal Title: Maintenance Infrastructure Management System

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Investment Business Case Approval

Project Description:

The Maintenance Infrastructure Management System project will enable VDOT to select vendors who are experienced and knowledgeable, and provide a complete commercial application solution that will serve the Agency for the next 8 to 10 years in its mission to manage, operate, and maintain the transportation assets of the Commonwealth, modernize and streamline operations utilizing state of the art technology and standard business practices, and provide a safe and fluid traveling experience for the public. VDOT is looking for a state-of-the-art application that will satisfy requirements serving 5 primary functional areas necessary for current and anticipated needs:

- Inventory
- Workflow management
- Public safety
- Resource planning and scheduling
- Work planning and budgeting
- Analysis and reporting

VDOT seeks to acquire software, hardware, and configuration and implementation services to support the integration, environment management, data conversion, interfacing, training, and post-production support for 12 months.

Customers served by this project include: Districts, Residencies, and Area Headquarters Highway Maintenance and Construction Programs, the Asset Management Division, Equipment Section, Capital Assets and Inventory Control, Financial Management, Internal and APA Auditors, Joint Legislative Audit and Review Commission (JLARC), Employee Safety and Health Division, Operations Planning, the Security and Emergency Management Division and the general public using transport infrastructure services.

Project Scope:

MIMS will be a fully featured Maintenance and Facilities Management system that will allow VDOT System Operations to do the following:

- Manage inventory
- Perform facilities management

Appendix C - Project Descriptions

- Manage maintenance and operations workflows
- Conduct resource planning and scheduling
- Evaluate annual and biannual maintenance and operations needs
- Provide analysis and reporting capabilities to support these functions
- Provide Web-based and mobile access for creation and maintenance of all data related to asset management
- Adhere to the management guidelines and principles set forth by the Commonwealth of Virginia, and any policies and procedures issued by the Secretary of Technology that apply to VDOT's major IT projects.

The staffing will be comprised of:

- Central office staff from the Information Technology Divisions who will manage this project and work with the selected vendor.
- Business team members from the Asset Management Division, Operations Planning Division and the Materials Division, with involvement from others as listed above.
- Contracted support for specific portions of the design and development phases may be required.

Appendix C - Project Descriptions

Project Formal Title: Performance Budgeting Solution

Agency: Department of Planning and Budget (DPB)

Secretariat: Finance

Investment Status: Project Initiation Approval

Project Description:

The Performance Budgeting Solution project is the implementation of a performance budgeting system to replace the current budgeting and strategic planning applications (PROBUD, WebBEARS, Budgetwise and Expendwise). Today the Commonwealth's strategic planning and budget development processes use a wide range of disparate systems. These systems have limited integration and interfacing capabilities. A common problem shared throughout the enterprise is the need for the same budget data to be entered multiple times. Because of this, a great amount of time and effort is spent double-checking and verifying data to make sure it is "in balance."

Project Scope:

The scope of the Performance Budgeting Solution project includes the acquisition and implementation of a commercially available software application to integrate and improve effectiveness and efficiency for the following key business process areas:

- Supported business process area outputs
- Strategic planning
 - Agency strategic plans
 - Agency service area plans
 - Performance measures
 - Scorecards
- Operating budget development
 - Base budgets and adjustments
 - Base budget realignments
 - New initiatives (decision packages)
 - Introduced budgets
- Budget execution
 - Administrative adjustments
- Six-Year financial plan with estimates of revenues and expenditures
- Budget reductions
 - Budget reduction bases
 - Budget reduction plans
- Capital budget development
 - Capital budget requests (including maintenance reserve plans)
 - Six-Year capital outlay plans
 - Introduced budgets
- Agency spending plans
- Publishing budget bills and documents

Appendix C - Project Descriptions

Project Formal Title: Phase 2 and 3 Virginia Correctional Information System (CORIS)

Agency: Department of Corrections (DOC)

Secretariat: Public Safety

Investment Status: Project Initiation Approval

Project Description:

The Department of Corrections (DOC) has established an automated Offender Management Information System (OMS) program, now called VirginiaCORIS. This is a major technology effort and is critical to the successful accomplishment of the DOC mission. The VirginiaCORIS Program will be composed of multiple major projects, and will result in a single, fully integrated system that should replace most of the DOC's current offender-related application portfolio. The selected solution is already in production in other state DOCs, with some additional required functionality being developed and planned for deployment in the next 12 months. The first project of the VirginiaCORIS Program (the procurement and installation of the Offender Sentence Calculation application) was successfully completed. The current project implements Community Corrections and Institution Operations components.

Project Scope:

The VirginiaCORIS project will include:

- Software to replace the existing applications that are supported at the DOC headquarters (VACCIS, ASI, Parole Board, OBSCIS, EIS, Inmate Pay and Trust, PSI, and others) and the numerous standalone databases at district offices, with an integrated, proven solution that is web enabled using a currently supported version of the .NET framework and SQL server
- Implementation services required to successfully install the new application and interface with other existing DOC applications, insuring the maintenance of existing functionality within the new application, and with data conversion as required
- Project management services to ensure that the project will be delivered on time, within scope, and within budget will be procured by the DOC through the Advanced IT Services Contract No. VA030815. The DOC Project Manager has met all requirements that the Commonwealth has established for Major IT Project Managers.

Appendix C - Project Descriptions

Project Formal Title: Replace Taxation's Phone System with Voice over IP (VOIP)

Agency: Department of Taxation (TAX)

Secretariat: Finance

Investment Status: Project Initiation Approval

Project Description:

The Replace Taxation's Phone System with Voice over IP (VOIP) project will replace the Department's current phone system components with VOIP. This will allow the agency to eliminate its Rockwell phone system and adhere with VITA strategic direction.

Project Scope:

The Replace Taxation's Phone System with Voice over IP (VOIP) project replaces TAX's PBX phone system with Voice over IP to allow enhanced customer service and foster decision analytics to allow the agency to utilize human resources more efficiently. TAX's Rockwell and Genesys applications will be replaced by a VOIP call center. Existing functionality will be enhanced by allowing full call recording, call-back features, and staffing predictions. The selected solution will be scalable to allow use by other agencies.

Appendix C - Project Descriptions

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

Agency: Department of State Police (VSP)

Secretariat: Public Safety

Investment Status: Investment Business Case 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 - 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

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 which 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 analyses.
- 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 - Project Descriptions

Project Formal Title: Rhapsody Connectivity (RC)

Agency: SHHR HIT/MITA PMO

Secretariat: Health & Human Resources

Investment Status: Investment Business Case 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 with the ESB.

Project Scope:

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

Appendix C - Project Descriptions

Project Formal Title: Roadway Inventory Management System

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The Roadway Inventory Management System (RIMS) supports the Roadway Network Systems (RNS) program within the Department of Transportation (VDOT). RIMS involves a process redesign that will assist RNS in providing road inventory and attribute data on Straight Line Diagrams (SLDs) and maps. The current processes and systems for capturing roadway inventory data are slow, inefficient and do not portray an accurate picture of the ground truth. No mapping capability is present today. Upon completion, RIMS will support RNS in providing streamlined business processes, timely updates to inventory, advanced inventory query and reporting, enhanced mapping functions, and improved performance. RIMS will also eliminate duplicate data entry for road inventory within the Database for Administering Changes in VDOT Highway Systems (DACHS) application.

Project Scope:

The scope of the Roadway Inventory Management System project includes:

- Providing road inventory and attribute data on Straight Line Diagrams (SLDs) and maps
- Implementing multiple linear referencing methods (intersection/offset, route/mile point, latitude/longitude, street addressing)
- Providing workflow design based on streamlined business processes
- Eliminating duplicate data entry for road inventory within the Database for Administering Changes in VDOT Highway Systems (DACHS) application
- Providing timely (real-time or near real-time) updates to inventory
- Providing advanced inventory query and reporting
- Improving performance and enhanced mapping functions

Appendix C - Project Descriptions

Project Formal Title: STARS Asset Management Tracking System

Agency: Department of State Police (VSP)

Secretariat: Public Safety

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 on-line 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 - Project Descriptions

Project Formal Title: State Longitudinal Data System (SLDS)

Agency: Department of Education (DOE)

Secretariat: Education

Investment Status: Project Initiation Approval

Project Description:

The Department of Education (DOE), in partnership with the Office of the Governor, the State Council of Higher Education (SCHEV), the Virginia Community College System, the Virginia Information Technologies Agency (VITA), and Virginia's workforce agencies, proposes to expand on the advancements we have made through our current Statewide Longitudinal Data Systems (SLDS) grant. In order to establish a comprehensive, longitudinal P-20 data system, the SLDS Grant Program proposed the following (refer to 'SLDS Grant Program vs. SLDS Project' for project exclusions):

- Create an integrated K-12 student-teacher information system that matches individual teachers to students
- Create a longitudinal data linking and reporting system with the ability to link data among state agency data sources, including K-12, higher education, and workforce systems
- Develop a web-based portal to provide one-stop access to education and workforce data by policymakers, educators, the public, program directors, researchers, etc.
- Design a data management and control system that enables us to maximize data quality, ensure accessibility with appropriate security, and enhance the usefulness of the data in both existing and proposed systems
- Develop a mechanism for postsecondary institutions to receive transcript data
- Develop an upgraded teacher certification system to enable VDOE to electronically capture information on the teachers' preparation programs

Project Scope:

The State Longitudinal Data System (SLDS) project scope includes making education and workforce data more available to a wider group of constituencies and customers in order to improve processes and decision-making. It will specifically make a critical difference to the following major VDOE initiatives:

- Improving the quality standards for all public schools in Virginia
- Providing leadership to help schools and school divisions close the achievement gap and increase the academic success of all students
- Ensuring meaningful, on-going professional development for professional educational personnel
- Supporting accountability for all schools, with a focus on assisting chronically low-performing schools and school divisions

Appendix C - Project Descriptions

- Working cooperatively with partners to help ensure that young children are ready for school
- Assisting teachers to improve the reading skills of all students, kindergarten through grade 12
- Continuing efforts to enhance the training, recruitment, and licensure renewal of highly qualified teachers, educational support personnel, and administrators, with a focus on the needs of “hard to staff” schools
- Providing leadership for implementing the provisions of state and federal laws and regulations smoothly and with minimal disruption to local divisions.

Appendix C - Project Descriptions

Project Formal Title: Syndromic Surveillance Interface (SSI)

Agency: SHHR HIT/MITA PMO

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

The Syndromic Surveillance Interface project will interface data transmitted by participating organizations to the Virginia Department of Health (VDH). The project will allow the data to be grouped into syndromes and statistical algorithms, and run to identify unusual temporal and geographic patterns that might indicate situations of concern.

Project Scope:

The scope of the Syndromic Surveillance Interface project will establish message exchange service/interfaces between the Syndromic surveillance system and the COV Enterprise Service Bus (ESB) and must support transactions between VDH and messaging partners. The project also requires use of HITSAC endorsed messaging standards.

Appendix C - Project Descriptions

Project Formal Title: Transportation Planning Data Analytic Tools

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Identified for Preliminary Planning

Project Description:

The Transportation Planning Data Analytic Tools will include the RNS Program that currently contains several data elements necessary for transportation planning data analysis, and the Roadway Inventory Management System, VGIN Centerline, Urban Conversion Project, and Highway Performance Monitoring System projects that will include additional critical data elements for analysis.

Project Scope:

The scope of the Transportation Planning Data Analytic Tools will include the current RNS data, in conjunction with the RNS application interfaces to support detailed data analysis and comprehensive geospatial processing, and will provide the infrastructure to support vital transportation planning analytics, travel demand modeling, and long range planning activities.

Appendix C - 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 VA. 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 - Project Descriptions

Project Formal Title: Urban Conversion Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

VDOT will outsource management, collection and processing of urban road data transformation activities. Specifically, this is a data delivery project that will clean and normalize the current VDOT urban roads inventory (UMIS) files to comply with national data standards (NENA) in terms of street name conventions. Cleaned UMIS road data will then be available for data maintenance activities in the Urban Module of the Roadway Network System (RNS) application. Ultimately, UMIS road data will be geospatially enabled or sequenced following RNS methods so that discrepancies between actual lane miles and current inventory of lane miles can be calculated and displayed as part of the RNS mapping network.

Project Scope:

The scope of the Urban Consolidation Project is an up to date urban roadway center line with a normalized database, addressing, and connectivity capabilities that enable the creation of a street name-based linear referencing system. To accomplish this goal, the project will select a vendor to implement the methods, models and tools developed as part of the UCP Pilot initiative, to be utilized for the remaining Virginia localities within the UMIS dataset. The compliant road data will then be migrated into RNS.

VDOT will retain data validation, load and Linear Reference System generation activities.

Appendix C - Project Descriptions

Project Formal Title: VirginiaCORIS Integration with LIDS (Local Inmate Data System)

Agency: Department of Corrections (DOC)

Secretariat: Public Safety

Investment Status: Project Initiation Approval

Project Description:

The VirginiaCORIS Integration with LIDS (Local Inmate Data System) project will enhance the existing Department of Corrections VirginiaCORIS system, an automated Offender Management Information system, to include the Local Inmate Data System (LIDS) functionality. The LIDS system records offenders who enter and exit jail for the purpose of funding per diem costs in those facilities

Project Scope:

The VirginiaCORIS Integration with LIDS (Local Inmate Data System) project will replace the existing LIDS application from the State Compensation Board.

Appendix C - Project Descriptions

Project Formal Title: Virginia Intelligence Management System (VIMS)

Agency: Department of State Police (VSP)

Secretariat: Public Safety

Investment Status: Investment Business Case Approval

Project Description:

In 2005, the Virginia Fusion Center (VFC) was formed within Virginia State Police (VSP) to focus on counter terrorism intelligence investigations and analysis. The VFC is a joint operation between VSP and the Virginia Department of Emergency Management (VDEM). VSP currently operates a system for statewide intelligence, the Tactical Intelligence Processing System (TIPS). VSP plans to replace and enhance the TIPS system since it is based on proprietary technology (Mapper) and has limited functionality.

VSP seeks to procure an intelligence management software system (Intelligence System) that can provide the Virginia Fusion Center with a means to track, link, and analyze persons, places, things, and events of interest to the Virginia Fusion Center. The Intelligence System will import data from a variety of disparate data sources including user input, commercial data sources, government data sources, and the Internet.

Project Scope:

The scope of the Virginia Intelligence Management System (VIMS) project is the purchase of an intelligence package/development services, integration services, and implementation of a Fusion Center repository of intelligence information. This system will be implemented in the VSP Fusion Center and will replace the legacy Tactical Intelligence Processing System (TIPS).

The Virginia Intelligence Management System will support Virginia's Fusion Center intelligence information collection, management, sharing, analysis, and dissemination. The goals for VIMS are to:

- Protect, mitigate, or respond to terrorist and criminal activity
- Enhance officer safety
- Support VFC investigative and analytical activities

VIMS will provide the Virginia Fusion Center with the tools to intake, review, classify, analyze, prioritize, disseminate, and reevaluate intelligence data in a 28 CFR Part 23 compliant system operated by VSP. VSP and VFC staff will be available to support agencies that do not have an intelligence capability and will use VIMS to manage their cases.

Appendix C - Project Descriptions

Project Formal Title: Women, Infants, and Children (WIC) Electronic Benefits Transfer (EBT) Project

Agency: Department of Health (VDH)

Secretariat: Health & Human Resources

Investment Status: Project Initiation Approval

Project Description:

The Women, Infants, and Children (WIC) Electronic Benefits Transfer (EBT) project will develop and implement the business processes and associated technology to provide electronic WIC (e-WIC) issuance, redemption, payment, and reconciliation services to distribute food benefits in the Virginia and West Virginia WIC Programs, the states of the e-WIC Consortium. Virginia will act as the lead state and will perform consortium-level project management and administration activities.

The project will require procurement of a number of services including support for the development of an Implementation Advanced Planning Document (IAPD), as required by the United States Department of Agriculture Food and Nutrition Service, Quality Assurance and Monitoring, and Design, Development, and Implementation of the selected e-WIC solution. The project will implement an online, outsourced EBT technology. A critical task of e-WIC will be to work with the retailer environment to seek feasible solutions for point-of-sale equipment and maintenance.

Project Scope:

The scope of the Women, Infants, and Children (WIC) Electronic Benefits Transfer (EBT) project is the implementation of an Electronic Benefits Transfer (EBT) system for the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) program administered by the United States Department of Agriculture Food and Nutrition Service and operated by the Virginia Department of Health Division of Community Nutrition Services and the West Virginia Department of Health and Human Resources Nutrition Services Division. This will include the:

- Development and implementation of business policies, processes and procedures relating to EBT
- Implementation of an information system to automate the issuance, redemption and settlement of food benefits
- Interfacing of the EBT system with the Crossroads WIC management information system currently under development by a consortium of state WIC agencies including the Virginia and West Virginia WIC agencies
- Establishment of a contract with a vendor to manage and operate the processes and information system.

The project includes the use of an electronic food prescription that specifies particular food items, quantities of the food items that can be purchased, the time period within which the food items must be purchased, and the maximum value associated with these food item purchases. These electronic benefits are maintained in an account which is set up for a benefit recipient.

Appendix C - 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 building to house the technology components involved in the replacement of the existing Yorktown Victory Center Museum.
- Phase II - Exhibits (audio visual displays, film, kiosk, etc). Audio visual components of exhibits will require equipment and installation.