

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000095

**Secretariat:** Health & Human Resources

**Agency:** Department of Rehabilitative Services (DRS)

**Project Formal Title:** Integrated Case Management (ICM) Project

### **Project Description:**

The project promotes common business practices for case management by using a single customized business application for 21 programs that provides services to people with disabilities. This cooperative effort is sponsored and funded by the Department of Rehabilitative Services (DRS @ 85%), the Department for the Blind and Vision Impaired (DBVI @ 15%), and the Virginia Department for the Deaf and Hard of Hearing (VDDHH @ 0%). For reporting purposes, the primary agency sponsor on this project is DRS. All CATSPA information on this project will be reported by DRS only.

### **Project Scope:**

The Integrated Case Management (ICM) System project is an effort to integrate over twenty legacy data management systems and data exchange processes into a single seamless application computer system. A system consists of a series of application modules that incorporates agencies' case management and business processes. The effort will lead to reduced IT maintenance effort and communication efficiencies associated with a common business process.

The ICM system, planned for initial implementation in 2006, will be user-friendly, accessible from staff offices or any network aware location, and will provide significant economies for case management. Functional users will be able to perform all of their case management functions in a single system instead of a collection of existing, legacy systems and paper. Computer literate staff can easily migrate from existing systems to this new one because the look, feel and operation are the same as the Internet and Windows user services.

The project is a multi-faceted effort, with Disabilities Services Agencies (DSA) representatives from technology, most functional programs, and business process specialists. Each representative has contributed to the requirements with their own viewpoint from their specialized areas, and has blended those ideas into the common goal of the ICM requirements.

The software development and implementation process will be outsourced through the successful proposal. The project will be managed by an internal project manager (PM) who will follow the VITA established Commonwealth Project Management (CPM) guidelines. The PM will have successfully completed the CPM testing for Core and Facilitating processes. Continuous Independent Verification and Validation (IV&V) efforts will insure compliance with VITA standards and mitigate risk.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000100

**Secretariat:** Education

**Agency:** Virginia State University (VSU)

**Project Formal Title:** Re-engineer Core Business Processes

### **Project Description:**

Replace aging SCT PLUS administrative system with SCT Banner Enterprise Resource Planning (ERP): Student, Finance, Financial Aid, and HR Web for Student & Faculty.

### **Project Scope:**

Infrastructure and resource renewal are needed to provide more service and supporting technologies for core business activities. Core business process re-engineering is critical in order to support an adaptable, responsive, and outcome-driven enterprise that can succeed in a highly competitive market. VSU must continually update the skills and knowledge of its employees to keep pace with a new brand of highly personalized educational services and emerging technologies. VSU cannot become a best-in-class institution if it fails to act decisively and forcefully before opportunities disappear. Access and delivery of curriculum content, personal, and other information is required to support peer-leading location-independent educational services. VSU stakeholders will demand information and VSU must successfully deliver. The current system does not incorporate newer technologies, such as web technologies, which better serve the needs of students, prospective students, graduates, Commonwealth Agencies which require a reporting relationship, or other colleges and Universities which have reciprocal agreements with VSU. As VSU offers more Web-enhanced and Web-based courses, the University must provide an on-line mechanism for Student Services to include registration, degree audit, etc.

The current system was developed a number of years ago. The vendor (SCT) is not providing enhancements and is planning limited or no support of this system in the near future. However, the vendor developed Banner, which will serve the expanding needs of the university community incorporating newer technologies, providing integration with Web-based applications for efficient delivery of accurate and timely information on demand. Striking a harmonious balance between business best practices versus creative exploration will be critical for VSU success as an exemplary steward of Commonwealth resources. Today's students expect previously unimagined flexibility and convenience from their education service providers. VSU cannot provide peer-leading location-independent services until it re-engineers its programs and services to meet its customers' needs.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000137

**Secretariat:** Education

**Agency:** Longwood University (LU)

**Project Formal Title:** Purchase and Install Enterprise Resource Program (ERP)

### **Project Description:**

Purchase and installation of new ERP system to replace current SCT IA Plus system which is more than 15 years old

### **Project Scope:**

Longwood's major administrative systems (finance, student, human resources) currently run on obsolete technology and do not provide the functionality needed to remain competitive. This project will modernize Longwood's aging administrative systems and computing platform. The existing systems will be replaced by a modern, integrated ERP suite of applications. This project will enhance delivery of service to students, faculty, and staff in ways that cannot currently be accomplished. The current systems are graded as obsolete by the COV Architectural guidelines. For example, the existing platform and applications do not allow for: (1) real-time interoperability with external systems intended to enhance the University's operations including the Commonwealth's electronic procurement system (eVA). (2) Integrated, native Web user interfaces to increase customers' access to services; those needs are only partially met today through middleware products which require significant programming and support. (3) Support for single sign-on and authentication in compliance with the University's Security system. The effectiveness and efficiency of the institutional operations and decision-making will be improved through state-of-the art technological administrative support and communications systems.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000207

**Secretariat:** Administration

**Agency:** State Board of Elections (SBE)

**Project Formal Title:** Virginia Election and Registration Information System (VERIS)

### **Project Description:**

This project will deliver a new statewide voter registration and election management system. It will meet the existing functionality of the current voter registration system, and provide additional functionality necessary to meet federal requirements, and to automate manual election and registration processes. This project will be 100% federally funded.

### **Project Scope:**

The scope of the proposed solution is limited to the following: current functionality of VVRS system; automation of manual processes; compliance with HAVA mandates; compliance with other applicable state and federal laws; to the extent permitted by the Code of Virginia and other federal laws, links to other agencies such as Bureau of Vital Statistics, State Police, Courts, and Social Security Administration; automated, two-way interface with DMV; automated link to redesigned Web applications.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000209

**Secretariat:** Transportation

**Agency:** Virginia Department of Transportation (VDOT)

**Project Formal Title:** Roadway Network Systems

### **Project Description:**

Replace the Highway Traffic Records Information System (HTRIS) with geospatial, Web-based, enterprise system to manage VDOT's roadway inventory data.

### **Project Scope:**

The VDOT Roadway Network System (RNS) will create a new relational database of VDOT's roadway inventory. It will provide geospatial referencing of VDOT business data, providing access for day-to-day business functions. The roadway inventory information will be provided via Web-based technology. Overall, RNS will improve the associated business processes throughout the Agency. It replaces the outdated mainframe HTRIS, and will provide enterprise data and system interoperability. This system will move VDOT into the 21st century by making available a map-based means for managing and retrieving critical business information. It will reduce redundant roadway data entry, and eliminate data extraction and conversion processes to and from HTRIS.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000237

**Secretariat:** Education

**Agency:** Virginia Commonwealth University (VCU)

**Project Formal Title:** VCU Administrative Re-engineering through Integrating Electronic Services (ARIES) Project

### **Project Description:**

Under this initiative, the University will modernize its aging administrative information systems and computing platforms. These systems will be replaced with a modern, integrated Enterprise Resource Planning (ERP) package.

### **Project Scope:**

VCU's major administrative systems (finance, student and human resources) are currently on obsolete technology and do not provide the functionality the University needs to be competitive. Under this initiative, the University will modernize its aging administrative information systems and computing platforms. The existing systems will be replaced with a modern, integrated ERP suite of applications. This modernization is expected to enhance service delivery to faculty, students and staff in ways that cannot effectively be accomplished with the existing core technology resources in place, which are graded by Commonwealth of Virginia (COV) Enterprise Architecture guidelines as obsolete. For example, the existing mainframe platform and application systems do not allow for the following applications:

(1) real-time interoperability with external systems intended to enhance University operations, including the Commonwealth's eVA procurement system, the University's e-Learning/course management tool which provides Web-based instructional support, VCU's facilities management system, and an outsourced Web system for receiving job applications; these and other interfaces must be accomplished in batch mode, which often extends processing time and diminishes customer service; (2) integrated, native Web user interfaces to increase customers' access to services; those needs are being partially met through a middleware product which requires significant programming and support and does not provide the desired full range of content and capabilities; (3) support for single sign-on and authentication; not having that functionality makes navigation between software applications awkward and requires users to have multiple ID's, in turn impeding security efforts; (4) fluid connectivity to electronic communications and automated workflow tools; not having that capability hampers administrative re-engineering; (5) reallocation of resources from infrastructure support to user and application support and development.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000238

**Secretariat:** Education

**Agency:** Virginia Commonwealth University (VCU)

**Project Formal Title:** VCU Advanced Communications for Enterprise Services (ACES)

Project: Modernization of Communications Infrastructure

### **Project Description:**

The VCU Modernization of Communications Infrastructure (ACES) Project will modernize the telephony infrastructure and services at VCU. The University will implement a state-of-the-art hybrid Internet Protocol (IP) Private Branch Exchange (PBX) system to provide a higher level of service at lower cost for University and Health System customers. Sections of the data network will be upgraded to enable IP Telephony to the desktop. Implementation will occur over an 18 month period starting in the spring of 2005. The University's strategy is to replace all of its obsolete Key System Units and many of its individual Centrex telephone lines with an on premises PBX. The solution will utilize a combination of traditional telephony and Voice over Internet Protocol (VoIP) to provide the optimal mix of reliability, flexibility, and cost effectiveness. The University will upgrade its data network in conjunction with the telephony system to support voice and data convergence as well as provide very high speed networking to the VCU community.

### **Project Scope:**

VCU will modernize its telecommunications infrastructure using a hybrid approach of IP and traditional PBX technology. Where a higher level of reliability is needed, traditional digital phones and a PBX will be installed. The PBX can also serve to support IP phones where their use is indicated. Communications between PBX units will occur over the data backbone. The hybrid IP/PBX solution does not provide an immediate and full convergence of data and telephone networks, but does begin a migration in that direction. Upgrades to the data infrastructure will be required to provide appropriate voice quality. With a hybrid approach, migration to an all IP network can occur in stages as the technology matures, so data network upgrades are spread out over several years. The initial deployment will see about 30% of University users receiving an IP phone on the desktop.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000241

**Secretariat:** Commerce and Trade

**Agency:** Department of Professional and Occupational Regulation

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

**Project Description:**

Replace legacy licensing systems with a commercially-available, off-the-shelf (COTS) licensing application.

**Project Scope:**

The scope of the project is to replace the Commercial License Enforcement System and Enforcement Tracking System. COTS implementation will provide Web-based licensing and case management, and will provide additional reporting capabilities to service customers.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000395

**Secretariat:** Technology

**Agency:** Virginia Information Technologies Agency (VITA)

**Project Formal Title:** Commonwealth Technology Portfolio Version 2, Phase 2

### **Project Description:**

This project implements an Information Technology (IT) investment portfolio management tool.

### **Project Scope:**

The IT Investment Portfolio Project will automate portfolio management and related functions through implementation of an integrated project and portfolio COTS product. The project will deliver a Commonwealth and Agency (VITA) Project Portfolio. The Commonwealth level functionality will include IT investment portfolio analysis and reporting, project management, work flow, document management, portfolio financial management and dashboard reporting. The Agency (VITA) level functionality will include project management, work flow, resource management, time reporting, project cost accounting and dashboard reporting at the Agency level. The implementation team will be comprised of VITA PMD staff, BSS staff, subject matter experts, and contracted services for training, implementation and consulting support. The detailed project plan will include milestones tied to important ITIB dates for the COV IT Portfolio, i.e. generating totals for Commonwealth IT expenditures and creating a Recommended Technology Investment Projects (RTIP) Report using portfolio tools. Also included in the project plan will be VITA IT Portfolio milestones for Business Process Reengineering (BPR) related to VITA functionality, VITA Internal Portfolio implementation and launching of an Agency Project Portfolio Model.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000744

**Secretariat:** Education

**Agency:** Jamestown-Yorktown Foundation (JYF)

**Project Formal Title:** JYF Ticketing Improvements

**Project Description:**

Encompasses projects/tasks related to replacing the JYF ticketing system (on-line ticketing, "timed-access ticketing", ticket printing, and ticketing system replacement) Project was identified during 2004-2006 biennium with potential Non-General Fund Source. Funds have not been identified.

**Project Scope:**

Implement a ticketing/scheduling/resource management software package to replace existing six year old system. This project includes all hardware, software and peripherals used in the day-to-day operation of the current system.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000756

**Secretariat:** Public Safety

**Agency:** Virginia State Police (VSP)

**Project Formal Title:** Statewide Agencies Radio System

### **Project Description:**

Upgrade existing Virginia State Police Land Mobile Radio and microwave networks to create a shared network for all agencies.

### **Project Scope:**

The State Police Land Mobile Radio Network was installed in 1977. Much of the current equipment is of this vintage and needs to be replaced. Throughout the years, the mobile radios have been reinstalled in vehicles approximately six times. In addition, the network utilization is far over capacity and the antiquated technology will not support mobile data. The contract for a system, which will make maximum benefit of the currently functioning infrastructure and provide a state-of-the-art public-safety-grade statewide-integrated voice and data network, is in the final stages of negotiations.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000782

**Secretariat:** Technology

**Agency:** VITA

**Project Formal Title:** Road Centerline / Addressing (Virginia Base Mapping Program)

### **Project Description:**

The Road Centerline Project (RCL) is a data development effort that assimilates data into a single, statewide dataset. There are three primary sources for the statewide dataset known as “the Master RCL”:

- Local government GIS and 911 system road centerlines and attribution;
- Virginia Department of Transportation road centerlines and attribution;
- Centerline geometry digitized from the VBMP digital orthophotography.

Local government and VDOT centerline attribution will be “conflated” or applied, to the Master RCL. Key local government attribution contains address ranges and street names, while key VDOT attribution contains a unique identifier that will facilitate transfer of Route Number and other key VDOT roadway attribution. The results will produce a single source for road centerline data that will be maintained and available for use throughout the Commonwealth.

### **Project Scope:**

The Road Centerline Project is considered a critical component, along with the digital orthophotography, of the Virginia Base Mapping Program. The RCL project will provide a consistent and seamless roadway transportation GIS data layer for use in the Commonwealth. It is being developed by the Virginia Geographic Information Network (VGIN) function of the Virginia Information Technologies Agency (VITA). The RCL project data will be maintained by VGIN at the statewide level. This is important so that the data does not get out of date and remains a viable source.

The RCL data will be made available through the Geospatial Enterprise Platform hosted by VITA. This platform consists of database and Web servers that are available on a 24/7 basis. The RCL data will be served as an XML Web map service. The RCL project is not responsible for the establishment and the maintenance of the Platform or the publishing of the Web services. RCL is responsible for the maintenance and oversight of the road centerline data. RCL data from the local governments will be maintained on either a monthly or quarterly basis, depending upon the ability of the local governments to provide their data. The RCL project will accept local government road centerline data as is and VGIN will perform the statewide integration. VDOT will provide updates for the Interstate and Primary roadway systems on a monthly or quarterly basis. From a data perspective, VDOT is considered the source system of record for the Interstate and Primary roadway data and the local governments are the source system of record for all other roads.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1001096

**Secretariat:** Education

**Agency:** Virginia Community College System (VCCS)

**Project Formal Title:** Automated Information System (AIS) Administrative Information System

### **Project Description:**

VCCS plans to implement commercial software for financial management. The proposed system will provide self-service access and business process support to students, faculty and staff, and improve workflow for major financial functions performed throughout the VCCS colleges and Central Office. Enhanced interoperability with other VCCS internal and external application systems will provide additional benefits from information sharing, elimination of redundant data entry, and business process improvement.

### **Project Scope:**

The project will result in the implementation of the PeopleSoft Financial modules for General Ledger, Accounts Payable, Accounts Receivable, Billing, and Fixed Assets. The project also includes an automated interface with the state procurement system, eVA, and Commonwealth Account and Reporting Systems (CARS). The project scope includes all phases of the project life-cycle. The specific life-cycle methodology to be employed is the PeopleSoft Compass methodology which includes Fit/Gap analysis, design, development, testing, training, and quality assurance reviews.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1001309

**Secretariat:** Public Safety

**Agency:** Department of Corrections (DOC)

**Project Formal Title:** Phase 2 and Phase 3 of Commonwealth Offender Record Information System (VirginiaCORIS) Program

### **Project Description:**

The Department of Corrections 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 over time and will result in a single, fully integrated system that should replace most of the DOC's current offender-related application portfolio. The solution planned 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 proposed procurement and implementation cost for the entire VirginiaCORIS Program is approximately \$14,500,000 in total direct and indirect costs. The first project of the VirginiaCORIS Program, the procurement and installation of the Offender Sentence Calculation application, was approved for development by the Information Technology Investment Board on July 7, 2004.

### **Project Scope:**

This project will address the procurement of software licenses and implementation of the Community Corrections and the Institutional Operations components of the VirginiaCORIS Program.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1001462

**Secretariat:** Transportation

**Agency:** Department of Motor Vehicles (DMV)

**Project Formal Title:** Traffic Records Electronic Data System (TREDS)

### **Project Description:**

The Traffic Records Electronic Data System (TREDS) Project develops an electronic system for use by Law Enforcement, DMV, and Virginia Department of Transportation (VDOT) for processing of the FR300P Crash Report. The new TREDS system must be able to process the capturing of traffic crash reports in three ways. The first process should be able to process paper forms utilizing bubble fields that will be used to capture the crash information. The second process should be an electronic application, on the law enforcement agency representative's laptop, which will capture and initially edit the crash information. The third process is the ability to support data electronically transmitted from law enforcement agencies that currently have third party software implemented for the capturing of crash report data.

### **Project Scope:**

The scope of the TREDS project is to include the following areas:

1. Capture as many reportable FR300P Crash Reports electronically as possible; the remainder will be done using optically recognized paper reports.
2. Enable law enforcement to transmit the data captured electronically to the TREDS system.
3. Store all the FR300P Crash Report information in a central data store in the TREDS system.
4. Have the information from the FR300P Crash Reports available in a timely manner in various formats for traffic related entities, via the TREDS system, to analyze the crash information to enhance public safety.
5. Scope will be refurbished once project commences. The project will focus on Law Enforcement (State and Local), DMV, VDOT and other traffic related entities involved with traffic crash processing.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1001467

**Secretariat:** Commerce and Trade

**Agency:** Virginia Employment Commission (VEC)

**Project Formal Title:** Replace Virginia Workforce Network Information System (VWNIS)

### **Project Description:**

This project will replace the existing Virginia Workforce Network Information System (VWNIS) with a modern state-of-the-art workforce Management Information System.

The plan for the current management information system was conceived in January 2000 and has provided minimal utility to the overall Workforce System within the Commonwealth of Virginia. The concept and need for a replacement system is in response to the strategic and operational directives outlined by stakeholders of the Virginia Workforce Council, Local Workforce Investment Boards, and other partners of the Virginia Workforce Network (VWN). It has been determined through interviews, gap analysis, and through problem determination/risk analysis, that the current management information system has not added the value to the overall mission of the Virginia Workforce Network. In fact, the VWNIS has become the limiting factor in moving forward the vision of a unified workforce system within the Commonwealth.

A new workforce management information system will provide the Virginia Workforce Network with the ability to integrate the Workforce Investment Act (WIA), Wagner-Peyser, Trade Act, Virginia Initiative for Employment not Welfare (VIEW), Labor Market Information (LMI) programs and other essential workforce system programs and components under a common information system. This common management information system will provide ALL workforce stakeholders with equal access to state-of-the-art workforce tools with the ability to coordinate and manage services among partnering agencies.

### **Project Scope:**

The vision is to replace the current Virginia Workforce Network Information System (VWNIS) with a robust commercially-available off the shelf (COTS) application.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1001468

**Secretariat:** Transportation

**Agency:** Virginia Department of Transportation (VDOT)

**Project Formal Title:** Electronic Toll Customer Service and Violation Enforcement System

### **Project Description:**

The Integrated Statewide Electronic Toll Customer Service and Violation Enforcement System project involves the design and procurement of hardware, software and operational staffing to provide services for processing electronic tolls, managing customer accounts, and collecting tolls and fees from users who try to avoid toll payments on the toll facilities.

### **Project Scope:**

This project includes the procurement of a contractor to provide systems and components in accordance with the project schedule to address the business problem defined above. Scope shall include the design, installation, configuration and testing of an integrated electronic toll customer service and violation enforcement system consisting of hardware, software, and communications to provide the necessary functions. This system will replace the current Smart Tag electronic toll system and will exchange transactions and operational data with the system at each of 7 toll roads in Virginia and the E-ZPass network. Design, installation, configuration and testing of cameras and image capture equipment in all lanes of three VDOT toll facilities: Dulles Toll Road, Coleman Bridge, and Powhite Parkway Extension. This equipment will interface to the current lane equipment at each road and will send violation images and transaction information to the toll road host location.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1002072

**Secretariat:** Agriculture and forestry

**Agency:** Virginia Department Of Forestry (DOF)

**Project Formal Title:** Integrated Forest Resources Information System – Forest Protection & Mobile Computing

### **Project Description:**

The project will utilize and augment existing Geographic Information System (GIS) infrastructure to address key DOF programs. Enhancements will be made to the agency's Integrated Forest Resource Information System (IFRIS). IFRIS is a Web-based enterprise system application with built-in mapping functionality, to address information needs for the program areas of wildfire suppression, water quality law enforcement, and forest health. New technology in the form of ruggedized PDA's with mapping-grade GPS will be introduced to replace current paper-based data collection forms that severely impede DOF's ability to deliver services.

### **Project Scope:**

DOF is beleaguered by inefficient information exchange, poor data quality and nearly impossible data extraction capabilities. Therefore, the agency will use internal labor resources and contract developers to enhance the IFRIS enterprise system to overhaul data collection, management, storage, and reporting of information critical to the business areas of wildfire incident tracking, water quality law enforcement and forest health monitoring. The project has an expected duration of 14 months following formal project kickoff. Systems will be developed primarily at contractor facilities, but ultimately will be integrated with the IFRIS application hosted by VITA. Mobile devices will be assigned and delivered to field employees for use in field-data collection.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1002133

**Secretariat:** Transportation

**Agency:** Department of Motor Vehicles (DMV)

**Project Formal Title:** PCs on the Front Counters

### **Project Description:**

This project will deliver “thin-client” PCs for the Customer Service Center (CSC) front counters, along with supporting servers and associated networking. The PCs will replace the obsolete character-based “green screens” that have been in use for the past 20 years. These devices will allow a graphical user interface (GUI) environment, commonly found in most business processes today, to be established between DMV systems applications and the CSC representatives at the counter. Most importantly, these devices will support a total systems redesign whereas the current “green screen” devices will not.

### **Project Scope:**

The solution will replace the text-based terminals, upgrade the network infrastructure and deploy business service tools for the CSC personnel to use. Currently, CSC personnel require the use of technology and tools for which they do not have access. This solution will provide 1,500 thin-client PCs, and 150 servers, along with the necessary network infrastructure. Business applications will remain the current system during this upgrade. The network infrastructure will be upgraded to T-1 bandwidth for high performance applications installed in the near future in the CSCs. This infrastructure will provide the foundation needed for future applications.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1002137

**Secretariat:** Technology

**Agency:** Virginia Information Technologies Agency (VITA)

**Project Formal Title:** PeopleSoft Business Planning and Budgeting

### **Project Description:**

The current business process for budgeting has been modified and altered many times over the years and before the agency formerly known as Department of Information Technology transitioned to Virginia Information Technologies Agency (VITA). The new agency has additional requirements for budgeting including the ability to create, store, and report a periodic forecast (quarterly or monthly). As a result, the process must be redesigned to be in line with budgeting best practices. This business process review is an addition to the original statement of work.

This project will be completed in stages beginning with procurements and consulting, training, then standing up the infrastructure, and implementing the EPM PeopleSoft Business Planning & Budgeting module for the FMS budget staff and CFO. The final stage will result in the implementation of a proactive, fully matured financial suite available for internal budget, forecasting, and general enterprise reporting throughout the agency.

This project will address the business process restraints which exist as a result of the limitations and support issues associated with the existing legacy application, BERT, and the current version of the PeopleSoft budget module which is not being utilized because it does not satisfy VITA's budget requirements at the detail line item level. Implementing the Enterprise Performance Management (EPM) PeopleSoft Business Planning & Budgeting modules will result in a reduction in maintenance activities and replace redundant applications and financial business processes. Plans are also to use the EPM PeopleSoft Business Planning & Budgeting modules as the infrastructure to support both the budget and financial forecasting needs for the agency, thereby reducing the need for the existing legacy applications

### **Project Scope:**

The scope of this project is limited to the following.

- Implement the EPM PeopleSoft Business Planning & Budgeting module.
- Include team sites for management of documents available on the portal. Does not include collaboration team sites.
- Phase out the legacy (BERT) application by moving off Unisys/MAPPER to a production Windows/Oracle environment.
- Existing budget data on the legacy application will be migrated.
- Develop and approve project, risk, and change management plans.
- Technical Design and Development that include "test" and "production" environments.
- Develop a training and communications plan for the project.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000103

**Secretariat:** Education

**Agency:** Radford University (RU)

**Project Formal Title:** Voice over Internet Protocol (VoIP) Telephone System Project

**Project Description:**

Phase in over several years the installation of a Cisco VoIP Telephone System to replace current Asynchronous Transfer Mode (ATM) based system and Verizon. Pilot phases include new building and renovation projects during FY03-FY06. Planned campus-wide installation during FY07.

**Project Scope:**

Radford University (RU) currently obtains Centrex telephone service through a state negotiated service plan with Verizon. The annual cost is over \$677,000. RU believes replacement of current service with a Voice over Internet Protocol (VoIP) system will save the university approximately \$577,000 over a five year period.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000119

**Secretariat:** Administration

**Agency:** Department of General Services (DGS)

**Project Formal Title:** Seat-of-Government Voice Over Internet Protocol (VoIP)

### **Project Description:**

This project continues the installation of VoIP phones, networks, and conversion of lines in renovated buildings at seat-of-government. These buildings are public/private partnership initiatives with bond or private funding/lease back arrangements.

### **Project Scope:**

Network and voice services at the seat-of-government campus are designed and supported by individual agency tenants. This design is costly and is difficult to maintain. It also precludes introduction of new technologies for use by all tenant agencies. The aggressive building program currently underway on the campus requires a consistent networking approach and the development of standards that can be implemented by the Department of General Services' Bureau of Facilities Management during the planning and construction of campus buildings.

Today, agencies, at their option, may install PBXs, keyed systems, or use Centrex services from VITA's telecommunications contracts. DGS tenant agencies use over 7,000 voice circuits at an average cost of \$20 per month, almost 1.2 million dollars annually. The variety of options and the differences in approach lead to security and facilities management problems. Support for these solutions is normally outsourced requiring multiple vendors to have unsupervised access to facility wiring closets. Telecommunication problems occur when vendors terminate incorrect circuits due to a lack of consolidated documentation. Cabling chases become clogged as proprietary cabling plans are abandoned by tenants. Building space is not used effectively due to the problems and telecommunications expenses of relocating tenants.

Tenant agencies also request individual data centers or create server farm locations within their assigned office space. For VITA in-scope agencies, consolidating these servers into one or two locations will allow for more cost-effective operations support and will assist VITA in eventual collocation of the servers at the VITA data center. The network must be designed to support this data center consolidation while allowing tenants not within VITA's scope to access network services. DGS is in the midst of a major renovation of executive office space. These renovations and the creation of VITA present a unique opportunity to restructure voice, data, and video communications provisioning in seat-of-government buildings.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000129

**Secretariat:** Public Safety

**Agency:** Virginia State Police (VSP)

**Project Formal Title:** Statewide Mug-shot and Other Images Repository

### **Project Description:**

Provide the means to accept, process, store, retrieve, and search mug-shots and other images (scars, marks, and tattoos) from local law enforcement agencies. These images will be sent to VSP as part of a National Institute of Standards and Technology's (NIST) package generated from a criminal arrest process or Sex Offender registration.

### **Project Scope:**

The proposed solution would build upon new functionality being implemented through the Charge Standardization Project (CSP). Through CSP, new booking identification stations will be implemented capable of capturing and submitting to VSP the Federal Bureau of Investigation's (FBI) Type-10 records which include mugshots and scars, marks and tattoos (SMTs). SMTs are also included in the scope of this project. Once the Type-10 records are submitted, the mugshots and SMTs would be added to the proposed statewide mugshot system. The mugshot database would be made available to law enforcement agencies across the state for inquiry and line-up purposes. The mugshot and SMT photos would be made available to criminal justice users through VSP's Virginia Criminal Information Network (VCIN).

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000133

**Secretariat:** Public Safety

**Agency:** Virginia State Police (VSP)

**Project Formal Title:** Central Criminal Repository Improvement

### **Project Description:**

This proposal would update all central repository databases, interfaces, and related applications required by Virginia State Police from a dated, inflexible legacy software platform to a current, efficient, and flexible one. While studying these applications, this project will include the search for opportunities to improve efficiency and take advantage of the vast improvements that current information technology can provide. The new software solutions will be built on proven, accepted, state-of-the-art programming languages and database products. These software solutions will incorporate new National Law Enforcement Telecommunications Systems (NLETS) and Federal Bureau of Investigation (FBI) standards including the Global Justice EXtensible Markup Language (XML) Data Model (GJXDM) when applicable. The central repository system will be designed to accommodate improved interfaces with related law enforcement systems within the agency such as the Virginia Records Management System (VRMS) and throughout the law enforcement industry such as National Data Exchange (NDEx) and Law Enforcement Information Exchange (LInX).

### **Project Scope:**

The Virginia State Police central repository databases are populated by law enforcement, courts, and corrections agencies statewide to meet specific federal and state mandates. These databases are accessed by law enforcement, prosecutors, courts, and corrections agencies from across the country to facilitate criminal justice processing. The central repository applications included in the project are:

- Wanted Persons, Missing Persons, Stolen Vehicles and Parts
- Computerized Criminal History
- Protective Orders
- Incident Based Reporting
- Sex Offender Registry
- Concealed Handgun Permits
- Machine Gun Registry
- Firearms Transaction Processing
- Consolidated Applicant Tracking
- Master Name Index
- Task Force Investigation Processing
- Mug-shots
- Expungement Tracking
- AFIS Messaging

This proposal would update all central repository databases, interfaces, and related applications required by Virginia State Police from a dated, inflexible legacy software platform.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000188

**Secretariat:** Natural Resources

**Agency:** Virginia Museum of Natural History (VMNH)

**Project Formal Title:** Adventure Classroom

### **Project Description:**

Installation of a state of the arts videoconferencing science classroom.

### **Project Scope:**

Install a state of the arts videoconferencing science classroom. This project will allow the museum to meet its primary Information Technology goal of using technology to reach and meet the needs and expectations of all citizens. The museum is limited in the number of people it can reach with hands-on education experiences. Through technology, VMNH can reach citizens across the Commonwealth of Virginia through distance-learning experiences involving scientists, educators, private citizens, students and teachers. This classroom will serve as a distance-learning laboratory connected to the local and Virginia IT networks where science education at-a-distance can be performed, studied, and improved. This issue relates to the museum's Core Business Activity to provide and promote opportunities for citizens to expand their knowledge, skills and cultural awareness through science, art, music, drama, literature, dance, and other educational services and to assist the Governor in statewide management.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000225

**Secretariat:** Health & Human Resources

**Agency:** Department of Social Services (DSS)

**Project Formal Title:** Public-Private Education Facilities and Infrastructure Act (PPEA)--  
Integrated Social Services Delivery System

### **Project Description:**

The Virginia Department of Social Services (VDSS) seeks to develop a browser-enabled information system reengineered to reflect the best business processes and data needs for the local and state workers who provide benefits and services to Virginia customers. If re-engineered to effectively process the information needs of both customers and workers, the resulting system can provide for one-time entry of data, provide streamlined processes for quicker service delivery, and provide a method to share data in a secure manner with other users, managers and, where appropriate, customers. An integrated system will lower systems development and maintenance costs, improve the state's ability to provide future services, and allow local agencies to operate more effectively. Projects of this nature and magnitude are currently funded and active in several other states.

VDSS is in the process of using a PPEA with creative financing (such as by paying for the project through the savings generated by the project). However, since PPEA planning is in the conceptual phase, this Information Technology (IT) Strategic Plan Amendment is written under the assumption that VDSS has the option to use traditional procurement methods (such as Request for Proposals [RFPs] or supplemental contract services) to obtain the services for overall project planning, and short-term improvements to meet some of the most critical locality business needs. If an acceptable detailed PPEA proposal is received, a new IT Strategic Plan Amendment will be submitted to address that approach.

### **Project Scope:**

Preliminary information obtained from other states indicates that planning activities are significant, including extensive involvement of locality staff, development of technical standards, cost benefit analysis, and detailed project planning. Therefore, business process re-engineering is currently underway for state and local social services business programs.

Quick Hits (concurrent with Planning):

- Simplified sign-on to major legacy systems
- Improved customer searches and sharing of customer information as appropriate
- Master customer identification number
- Legacy system connectivity
- Policy reviews and consolidation
- Manual revisions and updates

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000234

**Secretariat:** Health and Human Resources

**Agency:** Department of Mental Health, Mental Retardation, and Substance Abuse Services (DMHMRSAS)

**Project Formal Title:** Clinical Applications/EMR

**Project Description:**

Replace legacy systems with integrated clinical applications sharing an electronic medical record repository.

**Project Scope:**

Implement an electronic medical record repository and clinical applications at each DMHMRSAS facility and Central Office. Project would replace legacy systems and integrate with recent IT investments with AVATAR for patient/resident admissions, discharges, and reimbursements.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000255

**Secretariat:** Transportation

**Agency:** Department of Motor Vehicles (DMV)

**Project Formal Title:** Integrated Systems Redesign

**Project Description:**

Redesign DMV core mainframe systems and related applications.

**Project Scope:**

The redesign project focuses on the fragmented processing of DMV's three major business areas: driver, vehicle, and motor carrier. The purpose of the redesign is to transform these fragmented fifteen year old systems into one modernized system that is responsive to the ever-changing needs relating to internal security, homeland security, legislative mandates, and customer relationship management. Project completion is estimated to take 3 years with a total estimated cost of 32.6 million dollars. DMV plans to use contractors for personnel services resulting in no increase to Information Technology (IT) Full Time Equivalents (FTEs). The solution to the fragmentation/modernization issue may come in the form of commercial off the shelf software, and in-house development effort, or a combination of both.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1000761

**Secretariat:** Administration

**Agency:** State Board of Elections (SBE)

**Project Formal Title:** Campaign Finance Management System

### **Project Description:**

Consolidated system to manage e-filed campaign finance reports: new software for e-filers that integrates seamlessly with SBE mgmt software, posts reports to the SBE Web site, meets all legal requirements, and allows localities to accept e-filings.

### **Project Scope:**

Commercial-off-the-shelf (COTS) package; customization services; and on-going license and support agreement; SBE will also need to engage a project manager for the duration of the project.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1001073

**Secretariat:** Administration

**Agency:** Department of General Services (DGS)

**Project Formal Title:** Real Estate Portfolio Management

### **Project Description:**

In January 2005, the Division of Real Estate Services (DRES) was established to lead the change and the former Bureau of Real Property Management (BRPM) was eliminated. The CBRE Phase II report studied IT alternatives based on the final solution supporting functionality in portfolio data management, lease administration, transaction management, facilities management, workplace management, document, and decision management and strategic planning. Data elements required for improvement portfolio management were identified, the existing system capabilities were assessed and alternative systems available in the marketplace were identified and evaluated. The existing Property and Lease Automated Tracking System (PLATS) database is several releases behind and, as currently being used and maintained, cannot be relied upon to monitor the Commonwealth's real estate effectively. Options evaluated by CBRE included hosted and installed solutions in the following categories. Enterprise Wide Solution: An integrated, third-party system providing functionality for the management of real estate assets, leases, and facilities, replacing three systems already functioning in the Commonwealth in the areas of facilities and document/decision management. This application would need to interface/integrate with the state's financial systems including general ledger, accounts payable, accounts receivable, fixed assets, and treasury accounting. Focused Solution: A system that would deliver critical areas of functionality of an integrated package, but would not replace the three systems already functioning well in the Commonwealth. Targeted Solution: A system that offers exceptional capabilities in a few, but not in a majority, of the functional areas.

CBRE's final report recommends a course of action to implement a solution that would fill the gaps in required functionalities while preserving the currently functioning technology investments. In addition an interim solution of performing currently available upgrades to the PLATS system and continue its use is also being evaluated.

### **Project Scope:**

In May 2004, Governor Warner's Management Objectives for 2004-2005 established the real estate management objective: implement a consolidated, fully integrated system for the state's real estate management, resulting in a 15% - 20% decrease in total leased office space. DGS is actively working to transform Virginia's decentralized real estate transactions process into a Real Estate Portfolio Management System. This project will take the requirements currently being defined by DRES to design and implement an application that supports the Commonwealth's Real Estate

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1001473

**Secretariat:** Transportation

**Agency:** Department of Transportation (DOT)

**Project Formal Title:** Equipment Management System (EMS) Upgrade

### **Project Description:**

The EMS Upgrade project is a replacement for the current EMS system.

### **Project Scope:**

The current Equipment Management System (EMS) is an older application that no longer satisfies many of the DOT business requirements. In addition, many of the features that do satisfy business needs take a long time or too many resources to perform efficiently and effectively. A new Equipment Management System would provide an up-to-date system that would meet the agency's Fleet Management needs. We will evaluate potential fleet management Commercial-off-the-Shelf (COTS) packages as an alternative to building a system.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1001503

**Secretariat:** Public Safety

**Agency:** Virginia State Police (VSP)

**Project Formal Title:** Virginia Records Management System (VRMS)

### **Project Description:**

Implementation of a records management system for Virginia State Police criminal case processing.

### **Project Scope:**

The scope of the Virginia Records Management System (VRMS) project is to implement a modern law enforcement records management system. VRMS will facilitate law enforcement case processing from the 911 call through prosecution. Certain post-prosecution events are also tracked. VRMS will be highly integrated with State Police's central repository systems and will interface with other state and local agencies.

VRMS functionality will include Computer-Aided Dispatch (CAD), electronic document processing (summonses, incident reports, arrest reports, etc.), event tracking, photo display (mugshots, line ups, facial recognition, crime scene photos, etc.), advanced mapping and plotting, and functionality to support investigative and prosecutorial activities. VRMS will also support non-criminal activities like officer scheduling, accident processing, parking citations, service of civil court documents, pawn shop tracking, tracking of towed vehicles, animal control, and false alarm tracking.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1001506

**Secretariat:** Natural Resources

**Agency:** Department of Environmental Quality (DEQ)

**Project Formal Title:** Document Management Implementation

### **Project Description:**

Develop and implement a Document Management System to provide a scalable, efficient means of storing, accessing, and managing DEQ mission-critical documents. The benefits of achieving this goal include, but are not limited to: quick, efficient, and reliable electronic access to documents by staff, the regulated community, other government entities, as well as the general public; and providing a foundation for an effective Continuity of Operations Plan (COOP).

### **Project Scope:**

The detailed needs analysis performed by eVisory confirmed DEQ's paper-intensive operations, but also uncovered limitations in how DEQ handles records and responds to certain inquiries. The analysis suggests that the Agency is vulnerable when it comes to records management issues. Inconsistent documentation processes result in the inability to quickly share information in the event of an emergency. DEQ's ability to recover information in the event of a disaster is also vulnerable.

DEQ also has a pilot project regarding simple Document Imaging and retrieval. This pilot project has been ongoing for the past few years. The pilot consists only of scanned images in an electronic file cabinet without the use of any type of workflow. Results of this pilot have shown that there are great efficiencies to be gained from even this type of limited application.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1001521

**Secretariat:** Health and Human Resources

**Agency:** Department of Mental Health, Mental Retardation, and Substance Abuse Services (DMHMRSAS)

**Project Formal Title:** Medication Management System

**Project Description:**

Replace legacy pharmacy system with integrated medication management application sharing an electronic medical record repository.

**Project Scope:**

Implement a medication management system that utilizes an electronic medical record repository at each DMHMRSAS facility. Project would replace legacy system and integrate with recent IT investments with AVATAR for patient/resident admissions, discharges, and reimbursements. Project would replace outdated In-Patient and Aftercare Pharmacy systems.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1001577

**Secretariat:** Education

**Agency:** Virginia State University (VSU)

**Project Formal Title:** New Engineering Building Technology

### **Project Description:**

The new engineering building will be a state-of-the-art building that will house engineering and technology programs. The facility will be completed and fully functional in Fall 2006 or Winter 2007. The facility requires appropriate technologies to support instruction, research, conferencing, individual student productivity, security, and computerized facilities management.

**Instructional Technology:** Computer labs, multimedia learning environments, hands-on student lab resources, advanced conferencing technologies

**Infrastructure Technology:** Structured cable plant, wired and wireless network devices, video surveillance, computerized control systems (HVAC, security access, etc.)

### **Project Scope:**

This state of the art building will house VSU's engineering and technology programs. The programs pursue various objectives directly aligned with the university's education, research, and service missions.

The facility will be completed and fully functional in Fall 2006 or Winter 2007. The facility requires appropriate technologies to support instruction, research, conferencing, individual student productivity, security, and computerized facilities management.

**Instructional Technology:** Computer labs, multimedia learning environments, hands-on student lab resources, advanced conferencing technologies

**Infrastructure Technology:** Structured cable plant, wired and wireless network devices, video surveillance, computerized control systems (HVAC, security access, etc.)

This project will enable VSU to provide contemporary instructional and research resources in engineering and technology arena. Such resources will increase student achievement, partnership opportunities, and the ability to attract external funds.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1001580

**Secretariat:** Public Safety

**Agency:** Department of Emergency Management (DEM)

**Project Formal Title:** Statewide Alert Network (SWAN)

**Project Description:**

Statewide Alert Network system

**Project Scope:**

Implement a statewide alerting network system that will notify emergency personnel of an emergency and/or disaster situation such as hurricanes, tornadoes, terrorist attacks, or fires.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1001583

**Secretariat:** Public Safety

**Agency:** Department of Emergency Management (DEM)

**Project Formal Title:** Geospatial Information Systems (GIS)

**Project Description:**

Continue development of GIS database for use in emergencies.

**Project Scope:**

Provide geospatial data and maps for use during a response to an emergency and/or disaster situation. This involves metadata and printed cartography.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1001586

**Secretariat:** Technology

**Agency:** Virginia Information Technologies Agency (VITA)

**Project Formal Title:** Next Generation E-911

### **Project Description:**

The current E-911 system is severely hindered because it is based on analog technology. This limitation prevents data from being sent into the Public Safety Answering Point (PSAP), which answers the E-911 call for service. While next generation E-911 solutions are still being piloted and evaluated, it is clear that the new network will begin deployment in the 2007-2008 timeframe and that this deployment must be performed at a statewide level. The network, which will most likely be Internet protocol (IP)-based, will be the foundation for E-911 and a number of other public safety/homeland security applications.

### **Project Scope:**

To deploy the next generation E-911 system to all geographic areas of the Commonwealth to allow all citizens to contact emergency assistance regardless of the telecommunications technology used.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1001677

**Secretariat:** Technology

**Agency:** Virginia Information Technologies Agency (VITA)

**Project Formal Title:** Integrated Business Processes/Chargeback System

**Project Description:**

Consolidated billing and chargeback system will replace several existing VITA systems to integrate an end-to-end enterprise view across service towers and interface with other business systems.

**Project Scope:**

The software and business system support will provide a flexible, consolidated customer billing system across service areas including seamless access to drill down customer history and analysis with input from internal and external sources.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1001678

**Secretariat:** Commerce and Trade

**Agency:** Virginia Employment Commission (VEC)

**Project Formal Title:** Unemployment Insurance Modernization

### **Project Description:**

Replace legacy batch-updated Unemployment Insurance (UI) Benefits and Tax System with a real-time updating modernize UI system.

### **Project Scope:**

Project will replace the Virginia UI Benefits, Virginia UI Tax, and Wage Record systems with an integrated UI application providing real-time updating of customer and UI data. Project would integrate Trade Readjustment Act, Disaster Unemployment Assistance, and Unemployment Insurance programs, eliminating legacy systems developed in the 1970's and 1980's.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1001970

**Secretariat:** Education

**Agency:** Radford University

**Project Formal Title:** Procure New Administrative Systems Software

### **Project Description:**

Radford University (RU) is requesting funding to procure and implement new Web-based ERP Administrative System software to include Student Records, Financial Records, and Human Resources modules. Approval of this request will allow RU to install the same state-of-the-art computer systems already operational at other Virginia institutions. Web-based systems provide better service to students, faculty, staff, parents, the community, alumni, business & ultimately to all taxpayers, & deliver operational efficiencies to the institution. RU already has enterprise level Unix platforms and relational database systems, therefore, the only sizeable costs are to replace the application software itself. This is not an insignificant task, but not as difficult nor as expensive as if it were necessary to replace a legacy system from scratch.

### **Project Scope:**

Procure and implement new Web-based ERP Administrative System software to include Student Records, Financial Records, and Human Resources modules. The project scope includes the installation of a state-of-the-art web-based ERP system that will

- provide better service to students, faculty, staff, parents, the community, alumni, business & ultimately to all taxpayers; and
- deliver operational efficiencies to the institution.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1002131

**Secretariat:** Health and Human Resources

**Agency:** Department of Health

**Project Formal Title:** Electronic Health Record – Pilot

**Project Description:**

Replace paper-based medical records system with an Electronic Health Record system.

**Project Scope:**

The Electronic Health Record – Pilot project will replace the agency's paper-based medical records with an electronic medical record (EMR). The EMR will interface with the agency's practice management system; providing the agency with the ability to electronically store Subjective-Objective-Assessment-Plan notes and other medical chart information.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1002200

**Secretariat:** Technology

**Agency:** Virginia Information Technologies Agency (VITA)

**Project Formal Title:** VITA IT Accessibility Compliance

### **Project Description:**

VITA is driven to develop a Section 508 compliance project to achieve agency-wide compliance of the Commonwealth Information Technology Accessibility Standard (GOV103-00). This project will provide accessibility to people with disabilities for all software applications, including operating systems; Web-based intranet & internet information and applications, and infrastructure, as well as hardware (desktop and portable computers, telecommunications, video and multimedia products). For VITA, the size, scope and complexity of this effort raise it to the level of a major project.

### **Project Scope:**

The goal of this project is to address what actions VITA needs to do to bring VITA IT systems into compliance with the Virginia Information Technology Accessibility Standard (GOV103-00). This project will focus on accessibility standards related to the Software Applications, Web Based Intranet and Internet Applications. The primary effort will involve: develop organizational policy; establish roles and responsibilities; develop and execute a communications plan; training; develop Web, applications and software standards; inventory of systems; assessment of effort; submit exemption requests; prioritize systems for compliance conversions; develop compliance procedures for new systems; conversion effort for existing systems; and on-going compliance reviews.

The Commonwealth portal and sites supported by VITA's e-government partner, Virginia Interactive, as well as technical Infrastructure are out of scope for this project. A separate, non-major project will address compliance in each of these areas.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1002203

**Secretariat:** Public Safety

**Agency:** Department of State Police

**Project Formal Title:** Enhancement of the AFIS system - Palm Print Search

### **Project Description:**

Add an automated palm print capability to the Virginia State Police Automated Fingerprint Identification System (AFIS). This capability will provide for electronic submission, receipt, storage and searching of palm prints for law enforcement agencies throughout Virginia.

### **Project Scope:**

Purchase palm print system from the AFIS vendor to provide for the receipt, storage and searching of palm prints from local agencies. The system includes additional matching and storage capability, and automated palm print searching and processing software for central equipment at State Police and AFIS terminals at 22 local and state agencies. Conversion services for up to 50,000 existing palm prints in local agencies are also included. Establish a statewide palm print search system that will

- allow local agencies to search the entire state database and eliminate the need for their own systems;
- increase the identification and apprehension of offenders through the searching of palm prints from crime scenes;
- improve the utility of palm prints by providing statewide search capability; and
- reduce the amount of investigator time on crime scenes by increasing the number of identifications made through palm prints.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1002205

**Secretariat:** Public Safety

**Agency:** Department of State Police

**Project Formal Title:** Virginia Intelligence Management System

### **Project Description:**

This project will implement a statewide repository of intelligence information through the purchase of an intelligence package and integration services. This system will accept data from local, regional and state systems and facilitate the sharing of intelligence and information among numerous state, local and federal agencies. The goal of this system is to provide the capability to receive, analyze and disseminate intelligence concerning criminal and terrorist activities.

### **Project Scope:**

The scope of this project includes the purchase of an off-the-shelf intelligence package or services for the development and testing of an application to provide the functionality identified in a study that is currently in progress. Also included are integration and implementation services, including system set-up and training. Implement

- centralized analysis and dissemination of intelligence information statewide;
- centralized access to national intelligence systems;
- improved business relationships and information sharing among law enforcement agencies.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1002206

**Secretariat:** Finance

**Agency:** Secretary of Finance

**Project Formal Title:** Implementation of the Enterprise Applications Master Services Agreement (Phase 1)

### **Project Description:**

The purpose of this project is to modernize the Commonwealth's Enterprise-wide Financial Management, Performance-based Budgeting, Human Resource Management, Asset Management, Supply Chain Management (including Inventory Control) and Travel Request/Reimbursement processes and supporting automated systems. The goal of this initiative is to implement industry-recognized best practices within these areas and to deploy an automated Enterprise Resource Planning/Enterprise Resource Management (ERP/ERM) system that enforces best practices while significantly improving the efficiency and effectiveness of the Commonwealth staff that perform them. Phase 1 of this effort will include documenting the system requirements for each business process listed above, identifying recommended solutions, and creating an implementation plan for review and approval by the Governor and the Information Technology Investment Board (ITIB).

### **Project Scope:**

The scope of the project includes those business processes and supporting information systems related to Financial Management, Performance-based Budgeting, Human Resource Management, Asset Management, Supply Chain Management (including Inventory Control) and Travel Request/Reimbursement processes. While the accountability and functional subject matter expertise for these processes and systems lie primarily within the Secretariat of Finance and Secretariat of Administration, the impact of reengineering these processes and systems will be felt across all executive branch agencies, the judiciary and legislature since there is broad reliance on these administrative processes to support their operations. In addition, the Commonwealth's institutions of Higher Education will also benefit from the modernization of these processes and systems. It is anticipated that the Partnership will undertake the Financial Management, Performance-based Budgeting and Human Resource Management efforts first, though not simultaneously, and prioritize the other components of the Comprehensive Agreement at some future date.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1002207

**Secretariat:** Public Safety

**Agency:** Department of State Police (VSP)

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

### **Project Description:**

Replace the current statewide Incident-Based Reporting System with a state-of-the-art application. The current system operates on legacy technology and does not meet the needs of the law enforcement community in Virginia.

### **Project Scope:**

The scope of this project includes the purchase of consulting services to develop the requirements for replacement of the current system. Once the requirements have been developed, 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 and the local agencies in submission or records and access requirements. State Police's plans include

- providing local and state agencies with efficient access to IBR data with improved ad-hoc report generation capability developed using an industry-standard reporting tool;
- Upgrading data submission standards to include Offense Tracking Numbers (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; and
- linking IBR data with criminal history, wanted persons and other databases using incident numbers, OTNs and State IDs (SIDs).

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1002209

**Secretariat:** Public Safety

**Agency:** Department of State Police (VSP)

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

### **Project Description:**

Replace the current Centralized Criminal History (CCH) application with a package and/or developed software utilizing modern programming and database technologies. CCH is a component of the larger Central Criminal Records Exchange (CCRE) system. The current system is more than 30 years old and many of its capabilities are based on a proprietary emulation package which limits VSP's ability to leverage the capabilities of the updated infrastructure on which it resides.

### **Project Scope:**

The scope of this project includes the purchase of consulting services to develop the requirements and implementation plan for replacement and enhancement of the Computerized Criminal History (CCH) system. Once the requirements have been developed, 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. The scope of the project includes the local agencies in submission or records and access requirements. This project includes replacement of the Consolidated Applicant Tracking System (CATS) and the AFIS Messaging system, because they are tightly integrated with the current CCH system.

### **Project Business Objectives:**

- Support real time interfaces with other state agency systems such as Supreme Court and Department of Corrections.
- Improve reporting flexibility through use of a standard reporting package.
- Decrease the time to modify the software in response to legislative requirements.
- Improve user interfaces.
- Adopt national XML standards (GJXDM) resulting in improved interfaces with other state and local systems.

## Appendix B - 2006 Major IT Project Descriptions

**Project ID:** 1002282

**Secretariat:** Education

**Agency:** Virginia Community College System (VCCS)

**Project Formal Title:** New Human Resources Information System (HRIS)

### **Project Description:**

The project is an implementation of a Human Resources System for the VCCS and 23 Colleges. Currently Virginia Community College System (VCCS) does not employ an automated enterprise solution for human resources management. Dependence on manual processes and dated external systems negatively impacts the VCCS' ability to remain competitive in today's higher education market and to meet VCCS business, educational, and public service missions. To address these problems, VCCS plans to implement the PeopleSoft HR modules. The proposed system will provide self-service access and business process support to students, faculty, and staff and improve workflow for major human resources functions performed throughout the VCCS colleges and Central Office. Enhanced interoperability with other VCCS internal and external application systems will provide additional benefits from information sharing.

### **Project Scope:**

The project will result in the implementation of the PeopleSoft Human Resources modules and includes HR, Base Benefits, Benefits Administration (portion), portal, self service, and data conversion interfaces to CIPPS, EPAS and PMIS. The implementation includes modules for employee self service, time and labor, and recruiting. The project scope includes all phases of the project life-cycle. The specific life-cycle methodology to be employed will include Fit/Gap analysis, design, development, testing, training, and quality assurance reviews.