2024 - 2026 IT Strategic Plan

Agency:	156 Department of State Police (VSP)
Date:	5/17/2024

Current IT State

In this section, describe the high-level strategy the agency will use to manage existing operational IT investments over the next year to 5 years. This section should align with identified Business Requirements for Existing Technology (BReTs). At minimum, please address the following questions in your description of your agencys strategy for managing existing operational IT investments:

Are there existing IT investments that will require additional funding over the next year to 5 years, such as license renewals, re-competition of current IT contracts, or system enhancements required by the Agency Strategic Plan?

If there are systems that will no longer support the agencys business needs, either through poor performance or excessive cost, how does IT leadership in the agency plan to address the issues?

If the agency does not have the staff or funding to meet increasing demand for IT services, how will IT leadership fulfill the requests?

VSP has made great strides in the ongoing effort to replace it's legacy applications.

The department needs to continue to maintain, replace and upgrade its server hardware and other infrastructure components to ensure the ongoing support and reliability of critical applications system operations. VSP is working with VITA on a multiyear project to move transform from agency maintained infrastructure to VITA maintained infrastructure. VSP will begin converting it's on premise data center to take advantage of VITA offerings, where possible. These projects are the responsibility of VITA and appear in the VITA portfolio. VSP is providing the funding and has made adjustments to it's budget tables to reflect this.

The Communications Division provides automated dispatch, mobile digital terminal and communication services and support to the VSP troopers. In addition, they maintain the STARS communications system that is used by State Police and multiple other law enforcement agencies. These systems and other infrastructure components supporting the Communications Division need to be maintained, upgraded, and replaced periodically to ensure their reliable operations. The communications division is in the midst of a four year project to upgrade major parts of the STARS network. This is scheduled to complete in FY25.

The department is in the midst of replacing the aging Computerized Criminal History (CCH) and related systems with the new Criminal and Rapback Information System (CRIS), which will be a cloud solution. The new system will provide more timely responses to criminal and applicant inquiries to assess suitability for employment and firearms purchases. In addition, the RapBack subscription service will provide notification capabilities for employers to protect vulnerable populations. This project is scheduled to complete in FY26.

The department will replace between 40 and 67 Livescan terminals in VSP offices statewide. This will allow VSP to replace manual processes with automated processes, which will reduce manual errors and provide more accurate and reliable data. This project is scheduled to complete FY25.

The Case Management Records Management and Dispatch System (CARDS) will replace multiple aging systems, including the Law Enforcement Activity Management System (LEAMS) and the Computer Aided Dispatch (CAD) system. This will allow for a single integrated system to provide dispatch, case management, and records management functionality. The new system is scheduled to go into production in FY25.

VSP relies upon IT contractual personnel for much of its application development and support activities in addition

to oversight of some of its projects. Currently, too few VSP IT personnel are available to support the Department's applications, handle new project initiatives, and satisfy user requests. Additional state IT positions are needed to ensure that the applications can be supported and maintained with VSP IT staff and reduce reliance on contractors for operational system support. In the meantime, VSP needs to continue to use contractual staff for application support and development efforts.

Factors Impacting the Current IT

In this section, the agency will describe the changes in their business environment that will require or mandate changes to the agencys current IT investments. These are requirements and mandates from external sources, such as other agencies or business partners, the agencys customer base, product and service providers, or new federal or state legislation or regulations. The agency must identify the business value of the change, any important deadlines that must be met, and the consequences if the deadlines are not met. In your discussion, be sure to note whether the proposed enhancements are funded or not. If the agencys existing current IT investments will not need enhancement due to requirements or mandates from external sources in the foreseeable future, the agency should enter the following text rather than leave the Factors Impacting the Current IT section blank

For each mandated change, summarize your agencys response from your Agency Strategic Plan, and is it the opinion of agency IT leadership that the IT portion of the response is adequately funded?

Do the mandated changes effect IT in other Commonwealth agencies, or in other states? If so, how?

The Agency is currently in the middle of a multi year transition of VSP IT infrastructure to Commonwealth Enterprise.
The current labor market is having a negative effect on the agency's ability to engage both full time and contingent labor.
The Department has embarked on a number of projects (e.g., CARDS, CRIS) in order to move applications into a cloud environment.
Project CRIS is a legislatively mandated (2021 Special Session I, HB2113/SB1339) critical IT infrastructure project that will replace the Department's Criminal History, Applicant, Expungement, and Civil Commitment Systems. CRIS will also replace the Department's Master Name Index (search engine) and introduce Rap Back into the Commonwealth.

Proposed IT Solutions

In this section, describe the high-level strategy the agency will use to initiate new IT investments over the next year to 5 years in support of the agency strategic objectives documented in your Agency Strategic Plan. The agency does not need to consider specific technologies at this time, however, the strategy should identify how the IT implementation will provide business value to the organization. This section should align with identified Business Requirements for New Technology (BRnTs). At minimum, please address the following questions in your description of your agencys strategy for initiating new IT investments:

What are the most important solutions, based on the priority assigned to the requirements by the business sponsors in your agency, and what is the approach to achieving these priority solutions?

If any new IT initiatives will be started in the upcoming budget biennium, is it the opinion of agency IT leadership that it is adequately funded?

Does the agencys current IT staff have the appropriate skill set needed to support future agency technologies? If not, what skill sets need to be acquired?

If the agency will be engaged in multiple new IT initiatives, how will agency IT staff and agency subject matter experts be used across the initiatives?

The department is undertaking a number of information technology projects designed to improve service delivery, increase operational efficiency, and reduce risk. These projects are closely aligned to the department's long range

goals, objectives and performance measures.

VSP TRANSFORMATION Virginia State Police (VSP) Transformation is an effort to stabilize, secure, and transition VSP IT Infrastructure into Commonwealth Enterprise. Phase 1 includes work associated with Network Infrastructure, Active Directory, and End User Devices and Operating System (OS) images. Phase 2 is the second stage which would continue the transformation efforts to complete transformation of the remaining VSP environment including the VSP Data Center and Disaster Recovery (DR) site.

CCH AND LIVESCAN REPLACEMENT. The department issued an RFP selected a SaaS replacement for the Criminal History System. Additional RFIs and RFPs will be issued to identify a replacement for the Livescan system used to collect fingerprints.

STARS UPGRADE. The department in the midst of a multiyear effort to upgrade and replace major components of the statewide communications system.

COMPUTER AIDED DISPATCH AND CASE MANAGEMENT SYSTEMS. The current systems are aging and the department is preparing an RFP to select a vendor package for replacement.

IT Strategic Plan Budget Tables

Agency:	156 Department of State Police (VSP)
Date:	5/17/2024

Current IT Services

Category	Costs Year 1		Costs Year 2	
	GF	NGF	GF	NGF
Projected Service Fees	$18,811,198.03		$21,632,877.73	
VITA Infrastructure Changes				
Estimated VITA Infrastructure	$18,811,198.03	$0.00	$21,632,877.73	$0.00
Specialized Infrastructure				
Agency IT Staff	$7,585,604.59		$8,723,445.27	
Non-agency IT Staff	$8,215,922.00		$9,448,310.30	
Cloud Computing Service				
Other Application Costs				
Total:	$34,612,724.62	$0.00	$39,804,633.30	$0.00

Proposed IT Investments

Category	Costs Year 1		Costs Year 2	
	GF	NGF	GF	NGF
Major IT Projects:	$32,100,402.00	$1,597,513.00	$10,569,759.40	$391,931.60
Non-Major IT Projects:				
Agency-Level IT Projects:				

	Costs Year 1 GF	Costs Year 1 NGF	Costs Year 2 GF	Costs Year 2 NGF
Major Stand Alone IT Procurements:	$14,406,935.00		$24,220,176.00	
Non-Major Stand Alone IT Procurements:	$442,767.00		$146,065.00	
Agency-Level Stand Alone IT Procurements:	$4,312,160.00		$3,812,160.00	
Procurement Adjustment:	$24,439,250.00		$26,883,175.00	
Total:	$75,701,514.00	$1,597,513.00	$65,631,335.40	$391,931.60

Projected Total IT Budget				
	Costs Year 1		Costs Year 2	
Category	GF	NGF	GF	NGF
Current IT Services	$34,612,724.62	$0.00	$39,804,633.30	$0.00
Proposed IT Investments	$75,701,514.00	$1,597,513.00	$65,631,335.40	$391,931.60
Total	$110,314,238.62	$1,597,513.00	$105,435,968.70	$391,931.60

Business Requirements For Technology

Agency:	156 Department of State Police
Date:	5/17/2024

Additional DNA Machines - FY24

BRT Type:	Business Requirement for Existing Technology
Requested Start:	9/22/2023
Mandate:	No
Mission Critical:	Yes

Description:

Acquire additional DNA machines. These machines allow investigators in the field to analyze DNA samples. The machine will return a tag based on the DNA analysis. This tag will be included in the case files and can be used to determine if the same DNA is on multiple pieces of evidence or at multiple sites.

Automated Fingerprint Identification System (AFIS)

BRT Type:	Business Requirement for Existing Technology
Requested Start:	10/27/2023
Mandate:	No
Mission Critical:	No

Description:

Associated Project: CTP20907 - Automated Fingerprint Identification System (AFIS) Cloud Upgrade

Body Worn/In Car Cameras

BRT Type:	Business Requirement for New Technology
Requested Start:	8/28/2023
Mandate:	No
Mission Critical:	Yes

Description:

Implement a SaaS solution to provide body worn and in car cameras for all troopers in the agency.

BReT Leica 360 Scanners and Software

BRT Type:	Business Requirement for Existing Technology
Requested Start:	4/14/2023
Mandate:	No
Mission Critical:	Yes
Description:	

Leica Geosystems RTC 360 is a versatile 3D laser scanning system which enables law enforcement to preserve crime scenes and to document evidence recovery with an extraordinary level of speed and accuracy.

BReT Procure VCIN FY24 maintenance

BRT Type:	Business Requirement for Existing Technology
Requested Start:	7/21/2023
Mandate:	Yes
Mission Critical:	Yes
Description:	

Procure annual maintenance for the Virginia Criminal Information Network (VCIN) server from Computer Projects of Illinois (CPI).

BReT Procure VCIN FY25 maintenance

BRT Type:	Business Requirement for Existing Technology
Requested Start:	4/1/2024
Mandate:	Yes
Mission Critical:	Yes
Description:	

 Procure annual maintenance for the Virginia Criminal Information Network (VCIN) server from Computer Projects of Illinois (CPI).

BReT ScanX Scout Hardware and Software

BRT Type:	Business Requirement for Existing Technology
Requested Start:	3/31/2023
Mandate:	No

Mission Critical:	Yes
Description:	

Scanna MSC is the exclusive global ALLPRO Imaging distributor of the Scanx Scout for Security, Defense, and Explosive Ordinance Disposal Industries. The current LOGOS X-Ray systems, utilized by the Bomb Squad have been in service since 2008 and are in need of replacement. LOGOS is no longer supporting these X-Ray systems and there are no longer parts available for repair.

BReT STARS Subscriber and Infrastructure Upgrade

BRT Type:	Business Requirement for Existing Technology
Requested Start:	9/1/2023
Mandate:	Yes
Mission Critical:	Yes
Description:	

STARS provides a public safety grade integrated voice and data network for 22 state agencies. The mobile radios, portable radios, SIRS radios, and vehicular repeaters that are used are at end of life and soon, parts will no longer be available. This is a liability to public safety. The communications equipment as well as the network infrastructure needs to be upgraded to support vital performance, security, and operational functionality.

BRnT Case Management Records Management and Dispat

BRT Type:	Business Requirement for New Technology
Requested Start:	9/1/2023
Mandate:	No
Mission Critical:	Yes
Description:	

Business Requirement for Case Management Records Management and Dispatch Systems (CaRDS)

The Virginia State Police (VSP) is seeking to replace current Virginia State Police legacy applications with a Commercial-Off-The-Shelf (COTS) integrated law enforcement system incorporating Computer Aided Dispatch (CAD), Case Management (CMS) and Records Management (RMS) functionality. Virginia State Police is seeking products that provide innovative, flexible and sustainable solutions to meet the current and future needs of a 21st century law enforcement agency.

Virginia State Police requires an efficient and user-friendly solution to integrate the core functionalities of the computer aided dispatch system with the criminal investigative and records management functionalities required of the agency. The new solution is expected to create a modern and integrated process for documenting and servicing Calls for Service

(CFS), criminal and non-criminal investigative activities, records management and reporting activities performed by the agency. In addition, the solution is expected to comply with and be readily adaptable to Virginia State Police and VITA strategic requirements and be reconfigurable for legislative changes and the integration of new technology.

Virginia State Police is required to maintain call history of any dispatched calls, trooper actions and investigative results for various periods as may be directed through agency policies, procedures or through legislative directives. Virginia State Police must have a viable expandable case management and records management system that complies with current and future judicial, federal and Commonwealth laws and statistical reporting.

The data contained within a case management and records management system is primarily based upon information furnished through the dispatch call system and sourced criminal record documents and systems from both internal sources and other external law enforcement systems. Thereplacement solution must be able to accommodate criminal arrest fingerprint-based charge(s),court disposition(s), criminal warrants, seized asset inventory, including secured drug evidence and crime scene investigative results from associated federal and Commonwealth task forces, chain of custody records and standard investigative actions by appropriate Virginia State Police personnel.

Several issues exist in the current VSP Dispatch and Case Management environments.
 Chiefly among them:

a) Isolated systems; CAD and LEAMS systems do not currently "talk" to each other causing data to be manually replicated in multiple areas of the application.

b) Each system communicates with overlapping secondary systems causing an inefficient business process where data can be entered multiple times, modified and exploited with no specific "System of Record" in place to control data integrity.

c) A large portion of the secondary systems associated with either the CAD or LEAMS systems which primarily support other departments and agency operations, actually have duplicate features and functions, including an abundance of manually duplicated data. This causes various departments and operations personnel to either enter data multiple times or search through multiple systems to link agency investigations and criminal activities together in order to solve crimes or report on key agency statistics.

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BRnT CRIS - Criminal and RapBack Information Syste

BRT Type:	Business Requirement for New Technology
Requested Start:	9/1/2023
Mandate:	No
Mission Critical:	Yes
Description:	

The Virginia State Police is seeking an integrated, cloud-hosted, browser-based, software as a service solution (SAAS) for:
• computerized criminal history
• applicant tracking
• master name index
• civil commitment orders
that provides for:
• integration with the Alternate National Fingerprint File (A-NFF)
• integration with the criminal justice information network message switch, including interfaces to criminal justice users, the International Justice and Public Safety Network, the National Crime Information Center, and state criminal justice repositories/hotfiles
• adoption of standardized XML formats for the exchange of data among agencies
• audit compliance for electronic submission of background checks and billing
• event-based rap back subscription capability
• replacement of the current master name index, which is at end of life
• improved arrest, disposition, juvenile, civil commitment order, and expungement data integration with the courts and Department of Corrections
• timely responses to criminal and applicant inquiries

Civil Commitment System

BRT Type:	Business Requirement for Existing Technology
Requested Start:	10/27/2023
Mandate:	No
Mission Critical:	No
Description:	

Associated Project: CTP21587 - CRIS - Criminal and RapBack Information System

Computerized Criminal History

BRT Type:	Business Requirement for Existing Technology
Requested Start:	10/27/2023
Mandate:	No
Mission Critical:	No
Description:	

Associated Project: CTP21587 - CRIS - Criminal and RapBack Information System

Consolidated Applicant Tracking System

BRT Type:	Business Requirement for Existing Technology

Requested Start:	10/27/2023
Mandate:	No
Mission Critical:	No
Description:	
Associated Project: CTP21587 - CRIS - Criminal and RapBack Information System	

e-Summons statewide rollout

BRT Type:	Business Requirement for Existing Technology
Requested Start:	1/1/2023
Mandate:	No
Mission Critical:	No
Description:	
Having completed a successful pilot, VSP would like to equip the remaining trooper vehicles so that all troopers will have access to e-summons	

Epic Recruiting

BRT Type:	Business Requirement for New Technology
Requested Start:	9/15/2023
Mandate:	No
Mission Critical:	Yes
Description:	
Virginia State Police (VSP) continues to experience an increasing number of vacancies in its sworn ranks. VSP needs a digital marketing solution that is developed by a vendor which has tailored its product specifically to law enforcement recruiting. It is requested that an emergency purchase be made to allow the timely acquisition of a vendor which can provide the services needed specific to assisting VSP with web-based outreach. Further delays in this acquisition will hamper efforts being taken by VSP to reduce the number of vacancies increasing the detrimental impact to public safety and the members of the agency.	

Establish Agency Intranet

BRT Type:	Business Requirement for New Technology
Requested Start:	10/27/2023
Mandate:	No
Mission Critical:	No

Description:
The agency would like to create an SOW with an external group to assist in implementing an agency intranet

Fujitsu SPARC Enterprise Renewal FY24

BRT Type:	Business Requirement for Existing Technology
Requested Start:	10/27/2023
Mandate:	No
Mission Critical:	No

Description:
Throughout the fiscal year, annual maintenance on several Fujitsu SPARC servers that house mission critical applications will come up for renewal. This PGR is intended to cover all of these renewals, since in total they will exceed $250,000.

FY24 Annual Renewal IBM license - Websphere etc

BRT Type:	Business Requirement for Existing Technology
Requested Start:	10/20/2023
Mandate:	No
Mission Critical:	Yes

Description:
Annual renewal of IBM software license - Websphere/ Infosphere / Security Verify/ etc. This is necessary until agency completes transformation to ensure existing applications run on supported platforms.

HotFiles System Data Analysis and Planning

BRT Type:	Business Requirement for New Technology
Requested Start:	4/12/2024
Mandate:	No
Mission Critical:	Yes

Description:
Engage consultants through CAI to perform an analysis of the current hot files and associated systems and present a plan for a replacement.

Improve security grades

BRT Type:	Business Requirement for Existing Technology
Requested Start:	9/1/2023
Mandate:	No
Mission Critical:	No
Description:	
Agency is working to improve security grades	

Master Name Index

BRT Type:	Business Requirement for Existing Technology
Requested Start:	10/27/2023
Mandate:	No
Mission Critical:	No
Description:	
Associated Project: CTP21587 - CRIS - Criminal and RapBack Information System	

Mobile Data Terminal Replacement Request

BRT Type:	Business Requirement for Existing Technology
Requested Start:	10/20/2023
Mandate:	No
Mission Critical:	Yes
Description:	
Mobile Data Terminals (MDTs) to be procured as needed for new troopers and to replace end of life MDTs for existing troopers.	

Mobile Device Tracking

BRT Type:	Business Requirement for Existing Technology
Requested Start:	3/8/2023
Mandate:	No
Mission Critical:	Yes
Description:	

VSP Currently owns 2 LTE (Long Term Evolution) Cellular Tracking vehicle from KeyW (now Jacobs Technology Inc). The proprietary mobile cellular LTE tracking systems were custom built for VSP to assist in locating missing, violent or
endangered persons in possession of cellular phones. With the technology changes, LTE Cellular is becoming obsolete, allowing newer 5G phones and devices to avoid the outdated LTE tracking systems. VSP needs two new Chevrolet Silverado Crew Cab trucks upfit for Mobile Device tracking Capabilities by Jacob's Technology to replace the aging units.

New Contract to Extend Incident Based Reporting

BRT Type:	Business Requirement for Existing Technology
Requested Start:	8/28/2023
Mandate:	Yes
Mission Critical:	No
Description:	

Sole Source contract VSP would like to establish with Beyond 2020 for the Incident Based Reporting System (IBR). The initial contract requested is for the maintenance of the existing system with an upgrade to add the Community Based Policing module when Grant or other funding becomes available.

Oracle License Renewal FY25

BRT Type:	Business Requirement for Existing Technology
Requested Start:	5/14/2024
Mandate:	No
Mission Critical:	No
Description:	

Annual renewal of Oracle licenses and maintenance.

Point Blank Enterprises Covert Vehicles

BRT Type:	Business Requirement for New Technology
Requested Start:	8/28/2023
Mandate:	No
Mission Critical:	Yes
Description:	

Procurement of Honda Odyssey Mini Vans and Toyota Tundra Trucks equipped with covert systems for use in criminal investigations.

PreEmployment Suitability Evals Trooper Candidates

BRT Type:	Business Requirement for New Technology
Requested Start:	10/13/2023
Mandate:	No
Mission Critical:	Yes
Description:	

The agency would like to issue an RFP to procure a tool or service to perform pre-employment suitability evaluations for trooper candidates,

Procure ASTRO 25 and VESTA MDR

BRT Type:	Business Requirement for Existing Technology
Requested Start:	3/15/2024
Mandate:	No
Mission Critical:	Yes
Description:	

Procure ASTRO 25 and VESTA Managed Detection and Response (MDR) - Cybersecurity Services. This upgraded security solution, gives the STARS Communications Network added security by looking at trends on the network as well as known security threats and giving us 24/7 monitoring by the Motorola Security Operations Center.

Procure NetApp SAN Storage - FY24

BRT Type:	Business Requirement for Existing Technology
Requested Start:	10/24/2023
Mandate:	No
Mission Critical:	No
Description:	

Purchase additional SAN storage to support current and projected Database growth and various projects for next 1-2 years

Renew Palantir/VIMS for final year

BRT Type:	Business Requirement for Existing Technology
Requested Start:	8/28/2023

Mandate:	No
Mission Critical:	Yes
Description:	
Renew maintenance and licenses for intelligence database and analytic tool used by the Virginia Fusion Center.	

Replace Automated Inventory Mgmt System (AIMS)	
BRT Type:	Business Requirement for New Technology
Requested Start:	3/3/2023
Mandate:	No
Mission Critical:	Yes
Description:	
Replace Automated Inventory Mgmt System (AIMS)	

Replace LiveScan System	
BRT Type:	Business Requirement for Existing Technology
Requested Start:	8/28/2023
Mandate:	No
Mission Critical:	Yes
Description:	

VSP will issue a RFP to procure new live scans. The live scans will initially be procured for sex offender registrations/re-registrations that require fingerprints and palm prints. The RFP will include requirements to establish a standard live scan configuration that meets VSP's requirements for all applicable business processes and that can be customized as needed for each installation. This will allow VSP and other public and private user-agencies to more efficiently procure live scan equipment, software and services. The RFP will also require a live scan designated for testing applicable processes and features.

A statewide VITA contract managed by VSP will ensure only VSP-authorized live scan equipment, software and services are installed. This is critical since all live scans interface with other VSP systems.

VSP also plans to replace most of the existing live scans that interface with VSP. These procurements will be made by each user-agency when they are ready, but VSP will encourage the replacement of all existing live scans no later than July 1, 2024. Currently there are approximately 745 live scans statewide that interface with VSP systems.

The new live scans will support the following business processes:
·   Adult criminal bookings
·   Juvenile criminal bookings
·   Sex offender registrations/reregistrations, including photo updates
·   Applicant background checks
·   Rap Back (Search/Subscribe and Search/Retain)
·   Correctional bookings (jails?)
·   Identification checks

SOR System Replacement	
BRT Type:	Business Requirement for New Technology
Requested Start:	9/1/2023
Mandate:	Yes
Mission Critical:	No
Description:	

The current vendor provided Sex Offender Registry (SOR) core system needs to be upgraded or replaced as it is based on older technology (Oracle Forms and Reports) and does not meet all user requirements. Making changes due to legislation or enhancing the current application is not feasible due to the outdated technology and the eventual loss of vendor support due to its age.

STARS Equipment for Buchanan County	
BRT Type:	Business Requirement for Existing Technology
Requested Start:	12/15/2023

Mandate:	No
Mission Critical:	Yes
Description:	

The Virginia State Police (VSP) seeks strategic planning approval to procure 57 VHF APX6500 Enhanced Mobile Radios, 53 Single-unit IMPRES Chargers, 53 Fireman's Radio Straps, 17 VHF Enhanced APX6500 Mobile Radios, 72 Antenna Covert Wi-Fi on Glass, 53 APX8000 All Band Portable Radios, 36 DVR-LX Cross-Band Digital Vehicular Repeaters, 36 DVR-LX 700 MHz Cross-Bands, 36 DVR/VRX for use with Single Band Mobile Radios to include Authentication, OTAP Conventional Scan and Unity Gain Antenna, and 14 APX6500 Enhanced VHF Mobile Radios on behalf of Buchanan County. They are adding their Fire and Rescue Fleets to become a full-time authorized STARS participant.

VCIN Hardware Upgrade

BRT Type:	Business Requirement for Existing Technology
Requested Start:	12/29/2023
Mandate:	No
Mission Critical:	Yes
Description:	

Virginia Criminal Information Network (VCIN) is a sole source, proprietary solution only available through Computer Projects of Illinois (CPI). The solution is used to transmit Criminal Justice Information (CJIS) to various local, state, and federal law enforcement agencies. It is currently hosted on servers housed on premise at Virginia State Police headquarters which are end of life. VSP has been working with the vendor to migrate VCIN to the vendor's private cloud hosted solution. Unfortunately, due to required VCIN application changes and delays encountered assisting the vendor with the ECOS process, the vendor hosted solution is not viable at this time.

VSP has also investigated hosting the solution at QTS and VITA cloud providers, however there are open questions about CJIS compliance. In addition, physical connections to the FBI and NLETS reside at VSP. Relocating those connections to QTS is a year plus endeavor based on VSP efforts to modify the FBI connection as part of Transformation. Since VCIN is both mandated by the Code of Virginia and mission critical for VSP, it has been decided that the most prudent course of action is to re-platform the infrastructure at VSP headquarters aligning with VITA EA standards. VSP is in the planning phases of an RFP to replace the current VCIN package, based on feedback from other states, replacement of VCIN is four-to-five-year effort.

VCIN SaaS Solution 1

BRT Type:	Business Requirement for New Technology
Requested Start:	3/21/2023
Mandate:	Yes

Mission Critical:	Yes
Description:	
Move Virginia Criminal Information Network (VCIN) to a cloud provider. A short term solution is required to move the existing network to the current provider in order to move this out of the agency's data center.	

VESTA 911 Hardware Refresh 2029 and Annual Maint

BRT Type:	Business Requirement for Existing Technology
Requested Start:	4/2/2024
Mandate:	No
Mission Critical:	Yes
Description:	
The Virginia State Police (VSP) seeks approval for an annual maintenance contract for current Vesta 911 equipment for the next five (5) years followed by a hardware refresh in 2029. This will lock in the 2029 procurement at 2024 pricing.	

Virginia Criminal Information Network (VCIN/Hotfi

BRT Type:	Business Requirement for Existing Technology
Requested Start:	10/27/2023
Mandate:	No
Mission Critical:	No
Description:	
Associated Project: CTP20913 - EO19_VSP Cloud Readiness Assessment 2018 Virginia Criminal Information Network (VCIN/Hotfiles)	

Virginia Interactive eBilling renewal FY24

BRT Type:	Business Requirement for Existing Technology
Requested Start:	10/23/2023
Mandate:	No
Mission Critical:	No
Description:	
Renew hosting for eBilling system for 5 years	

VMWare License Renewal - FY25-27

BRT Type:	Business Requirement for Existing Technology
Requested Start:	4/30/2024
Mandate:	No
Mission Critical:	No
Description:	

Annual Enterprise Licensing Agreement for VMWare to support the agency's current applications. The quote and PGR covers 3 years, one base year and two optional years, but the agency will only write the POs for a year at a time as needed.

VSP SD-WAN Upgrade

BRT Type:	Business Requirement for Existing Technology
Requested Start:	3/1/2023
Mandate:	Yes
Mission Critical:	Yes
Description:	

Configure existing routers to support SD-WAN capability across all agency locations. This approach prepares agency location(s) with the ability to add additional network capabilities (multiprotocol label switching (MPLS), broadband, wireless (i.e., Cradlepoint)) to take advantage of application -aware routing over private and public networks.

Three step process:

Remote internetwork operating system (IOS) software upgrade on the router.

Remote SD-WAN deployment

Circuit deployment as needed

VSP Website Modernization

BRT Type:	Business Requirement for New Technology
Requested Start:	6/18/2023
Mandate:	No
Mission Critical:	Yes
Description:	

The primary objective of the COV Website Modernization and the CMS Virginia.gov projects are to ensure all state sites are on a single common platform and are following required VITA, COV and 508 standards

Work Zone Video Enforcement

BRT Type:	Business Requirement for New Technology
Requested Start:	8/28/2023
Mandate:	No
Mission Critical:	No
Description:	

RFP for Trial period (proof of concept) for Work Zone video speed enforcement and after review of results, possible full contract.

Commonwealth Projects >= $250,000.00

Agency:	156 Department of State Police (VSP)
Date:	5/17/2024

Automated Fingerprint Identification System (AFIS)	
Category 4	Project Initiation Approval

VSP will be working with VITA's SCM Group on this high-risk contract, with VITA's ECOS Team on the ECOS Assessment and CIO approval, and with a VITA PMD on the associated State level project, as well as all the required governance process and VITA approvals.

VSP is proposing a seven-year contract with NEC with two optional four-year extensions that will address the high-level requirements listed in Stakeholder Requirements below.

A primary objective for the AFIS upgrade is to minimize the impact on systems that interface with AFIS, which is similar to the approach VSP has successfully used for prior upgrades. This approach reduces costs and risks, and clearly defines NEC's project role and responsibilities to achieve a successful outcome.

Project Start Date		2/25/2021	Project End Date		7/31/2024
Estimated Costs:	Total		General Fund	Non-General Fund	
Project Cost		$2,010,514.00			
Estimated first year of biennium:		$0.00	$0.00		$0.00
Estimated second year of biennium:		$0.00	$0.00		$0.00

Project Related Procurements

Automated Fingerprint ID Sys (AFIS) Procurement

Case Management Records Management and Dispatch Sy

Category 1	Investment Business Case Approval

This is a re-submission for approval due to increased cost estimates based on better understanding of project requirements. VSP confirms that this project with procurement is in accord with the Chief of Staff April 2, 2020 memorandum, which outlined a number of measures to reduce or eliminate agency spending due to the COVID-19 crisis. VSP also confirms that they attained internal budget approvals necessary to complete this transaction. The Virginia State Police (VSP) is seeking to replace current Virginia State Police legacy applications with a Commercial-Off-The-Shelf (COTS) integrated law enforcement system incorporating Computer Aided Dispatch (CAD), Case Management (CMS) and Records Management (RMS) functionality. Virginia State Police is seeking products that provide innovative, flexible and sustainable solutions to meet the current and future needs of a 21st century law enforcement agency. Virginia State Police requires an efficient and user-friendly solution to integrate the core functionalities of the computer aided dispatch system with the criminal investigative and records management functionalities required of the agency. The new solution is expected to create a modern and integrated process for documenting and servicing Calls for Service (CFS), criminal and non-criminal investigative activities, records management and reporting activities performed by the agency. In addition, the solution is expected to comply with and be readily adaptable to Virginia State Police and VITA strategic requirements and be reconfigurable for legislative changes and the integration of new technology. Virginia State Police is required to maintain call history of any dispatched calls, trooper actions and investigative results for various periods as may be directed through agency policies, procedures or through legislative directives. Virginia State Police must have a viable expandable case management and records management system that complies with current and future judicial, federal and Commonwealth laws and statistical reporting. The data contained within a case management and records management system is primarily based upon information furnished through the dispatch call system and sourced criminal record documents and systems from both internal sources and other external law enforcement systems. The replacement solution must be able to accommodate criminal arrest fingerprint-based charge(s),court disposition(s), criminal warrants, seized asset inventory, including secured drug evidence and crime scene investigative results from associated federal and Commonwealth task forces, chain of custody records and standard investigative actions by appropriate Virginia State Police personnel. Several issues exist in the current VSP Dispatch and Case Management environments. Chiefly among them: a) Isolated systems; CAD and LEAMS systems do not currently "talk" to each other causing data to be manually replicated in multiple areas of the application. b) Each system communicates with overlapping secondary systems causing an inefficient business process where data can be entered multiple times, modified and exploited with no specific "System of Record" in place to control data integrity. c) A large portion of the secondary systems associated with either the CAD or LEAMS systems which primarily support other departments and agency operations, actually have duplicate features and functions, including an abundance of manually duplicated data. This causes various departments and operations personnel to either enter data multiple times or search through multiple systems to link agency investigations and criminal activities together in order to solve crimes or report on key agency statistics. .

Project Start Date		5/3/2024	Project End Date		11/1/2024

Estimated Costs:	Total		General Fund	Non-General Fund
Project Cost		$40,000,000.00	$40,000,000.00	
Estimated first year of biennium:		$0.00	$0.00	$0.00
Estimated second year of biennium:		$0.00	$0.00	$0.00

Project Related Procurements

Procure Case Management Records Management and Dis

CRIS - Criminal and RapBack Information System

Category 2	Project Initiation Approval

Virginia State Police (VSP) is requesting information to discover market availability of cloud-hosted, browser-based, software as a service solutions (SaaS) for:
● Computerized Criminal History System (CCH): collects, verifies, files, maintains, disseminates & deletes the arrest, disposition, corrections and related criminal history record information (CHRI) for the Commonwealth of Virginia (VA) including determining and reporting criminal history statistics.
o Criminal History Expunge and Seal: collects, verifies, files, expunges, seals, maintains, disseminates and deletes the arrest, offense, disposition, corrections and related CHRI including determining and reporting expungement & sealed statistics.
o Civil Commitment Orders: processes civil commitment orders from the Courts and establishes individuals in the National Instant Background Check System (NICS) to indicate the person's eligibility to purchase, possess and transport firearms.
● Applicant System: processes & responds to name and fingerprint-based applicant background check requests.
● Rap Back: provides state and federal subscriptions and event-based notification services.
● Master Name Index (MNI): maintains the central name repository for criminal history records (CHR) in VA, including sex offender, VA Rap Back subscribed identities, retired VSP officers (that retained their service weapon), firearm sellers, and Civil Commitment Order patient names.

Project Start Date		7/1/2022	Project End Date	2/27/2026

Estimated Costs:	Total		General Fund	Non-General Fund
Project Cost		$28,407,531.12	$21,797,862.05	$7,352,169.10

Estimated first year of biennium:	$0.00	$0.00	$0.00
Estimated second year of biennium:	$0.00	$0.00	$0.00

Project Related Procurements

Procure CRIS - Criminal and RapBack Information Sy

STARS Infrastructure and Subscriber Upgrade	
Category 1	Project Initiation Approval

 The Statewide Agencies Radio System (STARS) provides a public safety grade radio and data network to 22 authorized agencies.
The STARS Subscriber and Infrastructure Upgrade will be implemented in two phases.

Phase 1 will address the infrastructure upgrade and Phase 2, the subscriber equipment upgrade.
Phase 1: Infrastructure Upgrade - The Infrastructure Upgrade will consist of the following procurements:
1 Microwave Radio Network Upgrade (RFP) - The microwave radio component of the backbone network consists of radios, waveguides, and antennas. The original microwave hardware, installed in 2005, consists of CM6 SONET/SDH Lever 3 (OC3) and 45Mbps or DS3. Manufacture of these radios ended in June of 2006. The last date to purchase parts was December 2006 and the last date for repair support is June 2022. Additionally, the microwave technology needs to be upgraded to Ethernet which is required to support the upgrade of the land mobile radio equipment. The microwave radio network upgrade will replace all existing microwave radios, and implement Ethernet-based delivery.
2 MPLS (Motorola) - The ASTRO 25 system release plannedforSTARS in 2021 will not support legacyT1 technology, therefore an upgradeto MPLS is required. Motorola Solutions has designed a new MPLS network for STARS utilizing the Nokia 7705 Service Aggregation Router (SAR). The MPLS solution includes the addition of MPLS routing, conversion of existing ASTRO 25 site links from T1 to Ethernet, redundant Nokia network management servers (NFM-P), and cooperative installation coordinated with the Microwave Radio Network Upgrade supplier.
3 TDMA (Motorola) - Over the life of STARS, voice traffic has increased due to an increase of users and interoperability requirements. Given the limited availability of VHF spectrum in the state, STARS must employ technologies that enhance spectrum efficiency to meet long-term operational needs. The practicable solution for building additional network capacity and achieving increased spectrum efficiency is through P25 Time Division Multiple Access (TDMA) technology. The P25 TDMA feature divides each working channel into two timeslots, leveraging 2:1 channel efficiency to nearly double talkpath capacity over existing FDMA using the same radio frequency bandwidth allocation. This enhanced capacity improves the system's Grade of Service, leading to fewer busied calls and faster callbacks during busy situations.
4 TDMA Frequency Coordination (APCO) - Modification of VHF radio frequency authorizations to add the P25

Phase 2 TDMA emission designator, file applications, and secure granted radio station authorizations from the FCC for all applications.
5 Authentication (Motorola) - Radio Authentication uses the P25 link layer authentication standard to prevent illegitimate radios from gaining access to the radio network. It enhances security by authenticating radios before allowing registration to the system. Systems without the Radio Authentication feature are susceptible to cloned and otherwise unauthorized P25 radios on the system. Radio Authentication prevents these unwanted radios from successfully registering on the network.

Phase 2: Subscriber Upgrade - The Subscriber Upgrade will consist of the following procurements:

1 Logistics Manager (RFP) The Logistics Manager will oversee the following activities:
2 Test Equipment (State contract) - The test equipment is used to validate operation and assist in troubleshooting the radio.
3 Key Variable Loader (Motorola) - The Key Variable Loader (KVL) allows programmers to generate, transport, and load encryption keys, securely and efficiently into subscriber equipment, thereby enabling secure encrypted communications.
4 Subscriber Equipment (RFP) - The upgrade of the subscriber equipment listed below will take ~3 years to complete.

Project Start Date		4/11/2019	Project End Date		10/31/2024
Estimated Costs:	Total		General Fund	Non-General Fund	
Project Cost		$132,475,530.00			$132,475,530.00
Estimated first year of biennium:		$47,000,000.00	$0.00		$47,000,000.00
Estimated second year of biennium:		$40,000,000.00	$0.00		$40,000,000.00

Project Related Procurements

Procure Subscribers for STARS Infrastructure and S	
Procure OTAP for STARS Infrastructure and Subscrib	
Procure Low-Band Antennas for STARS Infrastructure	
Procure Low-Band Radios for STARS Infrastructure a	
Procure MPLS for STARS Infrastructure and Subscrib	
Procure Microwave Radio Network Upgrade for STARS	
Procure TDMA for STARS Infrastructure and Subscrib	
Renewal for STARS Consultant (Project Manager Yr 2	
Procure Dynamic System Resilience (DSR) for STARS	
Procure Lighting and Siren Controllers for STARS I	
Procure Logistics Manager for STARS Infrastructure	

Replace LiveScan System Project

Category 2	Investment Business Case Approval

 VSP requirements will establish a centrally managed standards-based livescan solution to improve reliability, processing speed and data accuracy, and to reduce the amount of time needed by livescan operators to enter data. The solution includes efficient procurement processes so state and local agencies can obtain the hardware and services needed. The supplier will provide comprehensive support services for livescan servers and livescan workstations.

Project Start Date	6/3/2024	Project End Date	8/31/2026

Estimated Costs:	Total	General Fund	Non-General Fund
Project Cost	$8,989,199.87	$3,550,895.00	
Estimated first year of biennium:	$0.00	$0.00	$0.00
Estimated second year of biennium:	$1,396,554.00	$1,396,554.00	$0.00

Project Related Procurements

There are no procurements for this project

Photo Speed Enforcement Project	
Category 4	Investment Business Case Approval

 The Photo Speed Enforcement project, formerly known as Work Zone Video Enforcement, is a legislative initiative allowing the use of automated speed enforcement (ASE) vendors and equipment to monitor both work zones and school zones within the Commonwealth. This project will facilitate, in partnership with the Virginia Department of Transportation (VDOT), the implementation of the legislative provisions to administer PSE safety initiatives for work zones only. The project will facilitate the submission of a request for proposal (RFP) with the intent of contracting with a vendor that will fully administer the overall photo speed enforcement program during a proof of concept period and, if adopted, as a five-year contract with the option for five one-year renewals with the State Police providing oversight, initial issuance of violator summons and the mandated annual reporting requirements as outlined in the referenced legislation The project will initially have two primary procurements. The first is a proof of concept for $1.6M. If the proof of concept is successful and the State Police elects to continue with the selected vendor, the full procurement and contract terms (to include the assumption that all services will be provided by the vendor in a SAAS capacity) are estimated in the range of approximately $38M for ten years, but this amount depends on a number of factors, the main one being VSP staffing to enforce the violations.

Project Start Date		1/17/2022	Project End Date		12/31/2022
Estimated Costs:	Total		General Fund	Non-General Fund	
Project Cost		$600,000.00			$500,000.00
Estimated first year of biennium:		$0.00	$0.00		$0.00
Estimated second year of biennium:		$500,000.00	$0.00		$500,000.00

Project Related Procurements

There are no procurements for this project

Body Worn/In Car Cameras - Project	
Category 4	Project Initiation Approval

 Implement a SaaS solution to provide body worn and in car cameras for all troopers in the agency. Equipment to be procured with Motorola under contract VA-230420--MSI).

Project Start Date		6/15/2023	Project End Date		8/30/2024
Estimated Costs:	Total		General Fund	Non-General Fund	
Project Cost		$9,675,858.00	$23,215,875.00		
Estimated first year of biennium:		$0.00	$0.00		$0.00
Estimated second year of biennium:		$0.00	$0.00		$0.00

Project Related Procurements

There are no procurements for this project

Replace Automated Inventory Mgmt System (AIMS)	
Category 3	Investment Business Case Approval

The Virginia State Police ("VSP"), on behalf of the Commonwealth of Virginia ("Commonwealth"), is seeking an enterprise inventory management system to manage the inventory in their centralized and decentralized warehouses and area satellite offices across the Commonwealth. This system will replace the limited inventory management capability of the current system "Automated Inventory Management System (AIMS)", although AIMS will remain in use for its asset management capabilities with the Communications division.
The main reasons for the replacement are improving remote management capabilities, providing real time inventory reports, and optimizing SKU/stock transactions to provide VSP with real time stock and budget information. None of these features are available with the current system.

VSP has submitted a PGR to conduct an RFP for this.

Project Start Date		3/3/2023	Project End Date		6/28/2024
Estimated Costs:	Total		General Fund	Non-General Fund	
Project Cost		$1,400,000.00	$1,400,000.00		
Estimated first year of biennium:		$0.00	$0.00		$0.00
Estimated second year of biennium:		$0.00	$0.00		$0.00

Project Related Procurements

Procure Replacement Auto Inventory Mgmt Sys (AIMS)

Commonwealth Procurements >= $250,000.00

Agency:	156 Department of State Police (VSP)
Date:	5/17/2024
Stand Alone Procurements:	
Procurement Name:	Automated Fingerprint ID Sys (AFIS) Procurement
Procurement Date	6/1/2020
Procurement Description:	As part of this proposed upgrade with NEC, VSP will be seeking to comply with EO19 having NEC host and provide direct application and system support through a SaaS arrangement. VSP is proposing a seven-year contract with NEC with two optional four-year extensions that will address the following high-level requirements: ? Replace VSP's aging AFIS servers with the latest AFIS application software and cloud technology, including an updated security infrastructure, and a SLA (Service Level Agreement) that keeps the AFIS application, security, and cloud technology up-to-date over the life of the contract. This approach allows AFIS upgrades to occur with no dependency on the availability of VSP resources in a given fiscal year. ? Update the SLA to include cloud computing requirements, including estimated storage and transaction volume requirements over the life of the contract. ? Require that AFIS application upgrades occur with no downtime and no impact to current operations. ? Make NEC primarily responsible for disaster recovery, and develop and test the disaster recovery processes to ensure all workflows and system interfaces continue to operate with minimal down time and no lost transactions.
Procurement Name:	COMLINC RIOS System Maint/Support Contract 3 yrs

Procurement Date	10/31/2022
Procurement Description:	Three year contract for SyTech Corporation's services to support the Virginia State Police in maintaining the COMLINC Radio Interoperability System (ROIS) in all Tier 2 aspects of day to day operations and maintenance.
Procurement Name:	e-Summons statewide rollout
Procurement Date	12/31/2023
Procurement Description:	Having completed a successful pilot, VSP would like to equip the remaining trooper vehicles so that all troopers will have access to e-summons. The contract was negotiated and ECOS approval was acquired when the initial pilot project took place. This procurement is just to procure additional hardware and software to outfit the remaining vehicles. The vendor is Tyler Technologies and the application is Brazos. $5,702,000 of this procurement will be for software licenses and maintenance through United Radio/Tyler Technologies. The remaining $891,670 is an estimate of the hardware required which will be purchased from Daly.
Procurement Name:	Mobile Data Terminal Replacement Request
Procurement Date	10/31/2028

Procurement Description:	Procure mobile laptop replacements. The procurement purpose is to continue the operations and maintenance replacement of ruggedized mobile data terminal (laptop) replacements for VSP vehicles. This procurement is part of the STARS program. These laptops are over eight years old and need replacements. Laptops in the patrol vehicles allow officers immediate access to law enforcement data bases such as VCIN and NCIC. The laptops also run software that connects them to the dispatch centers, provides mapping information, access to vehicle accident reporting systems, law enforcement records management site and emails. The laptops not only enhance officer safety but provide elevated service to the public by ensuring the officers spend less time in the office turning in paperwork. This is a blanket procurement request to buy as needed. It is not for one FY. We use the attached tracker to make sure we do not overspend the approved PGR amount. The request is for the basic schools, field refresh for VSP and the other STARS UARC agencies. We are replacing the older end of life CF-31s that are out of warranty and no parts are available with the FZ-55s for field refresh VSP and Stars, and supplying laptops to basic students.
Procurement Name:	New Contract to Extend Incident Based Reporting
Procurement Date	4/29/2022
Procurement Description:	Establish a Sole Source contract with Beyond 2020 to extend support for the Incident Based Reporting System (IBR) system, which has been in production for 6 years. VSP would like a 5 year contract. The initial contract requested is for the maintenance of the existing system with an upgrade to add the Community Based Policing module when Grant or other funding becomes available.
Procurement Name:	PreEmployment Suitability Evals Trooper Candidates
Procurement Date	11/30/2023

Procurement Description:	The agency would like to issue an RFP to procure a tool or service to perform pre-employment suitability evaluations for trooper candidates. Because the company that provided this service in the past maintained an online portal that the agency used to upload testing data that was used to evaluate candidates, VITA determined that the company had to comply with ECOS standards. Since they were unable to comply, the agency is using VCU as a temporary provider while searching for a new provider. Therefore the agency would like to issue an RFP. The nature of any IT systems that winning company may use to support the evaluation process is unknown at this time.
Procurement Name:	Procure ASTRO 25 and VESTA MDR
Procurement Date	4/30/2024
Procurement Description:	Procure ASTRO 25 and VESTA Managed Detection and Response (MDR) - Cybersecurity Services. This upgraded security solution, gives the STARS Communications Network added security by looking at trends on the network as well as known security threats and giving us 24/7 monitoring by the Motorola Security Operations Center. Solution will include two on-prem servers installed at HQ and Salem (one each). For VESTA, There are a total of four servers for the Astro portion, 2 at HQ and 2 at Salem. The second units act as backup.
Procurement Name:	Procure CRIS - Criminal and RapBack Information Sy
Procurement Date	7/1/2021

Procurement Description:	Virginia State Police is seeking VITA review/approval to create a Request for Proposal. In compliance with Executive Order 19, the Virginia State Police is seeking an integrated, cloud-hosted, browser-based, software as a service solution (SAAS) for: • computerized criminal history • applicant tracking • master name index • civil commitment orders that provides for: • integration with the Alternate National Fingerprint File (A-NFF) • integration with the criminal justice information network message switch, including interfaces to criminal justice users, the International Justice and Public Safety Network, the National Crime Information Center, and state criminal justice repositories/hotfiles • adoption of standardized XML formats for the exchange of data among agencies • audit compliance for electronic submission of background checks and billing • event-based rap back subscription capability • replacement of the current master name index, which is at end of life • improved arrest, disposition, juvenile, civil commitment order, and expungement data integration with the courts and Department of Corrections • timely responses to criminal and applicant inquiries Updated 7/26/22- to include O&M and optional renewals.
Procurement Name:	Procure Motorola Lifecycle Services FY2021-FY2026
Procurement Date	6/1/2020
Procurement Description:	VSP is planning annual renewal of the STARS system software which is proprietary for Motorola only. This is not part of the STARS Subscriber Upgrade project.
Procurement Name:	Procure Replacement Auto Inventory Mgmt Sys (AIMS)

Procurement Date	6/28/2024
Procurement Description:	Replace Automated Inventory Mgmt System (AIMS)
Procurement Name:	Virginia Interactive eBilling renewal FY24
Procurement Date	10/31/2023
Procurement Description:	Renew hosting for eBilling system for 5 years. The annual charges are hosting fees - $17,910/year, electronic payment process - $70,000/year, and O&M - $6,473.60/year. In addition, there is an outstanding past due balance of $41,457. This will be paid once this PGR is approved and the new PO is issued.