Maryland
DEPARTMENT OF
INFORMATION TECHNOLOGY

Larry Hogan | Governor
Boyd K. Rutherford | Lt. Governor
Michael G. Leahy | Secretary
Lance Schine | Deputy Secretary

January 15, 2020

Ms. Victoria Gruber
Executive Director
Department of Legislatives Services
90 State Circle
Annapolis, MD 21401

Section 3A-309(n) of State Finance and Procurement Article requires that the Secretary of the Department of Information Technology submit by January 15th of each year a mid-year individual project summary report on the State of Maryland's Major Information Technology Development Project (MITDP) Fund and the portfolio of all MITDPs. This 2020 Mid-Year Report describes all Fiscal Year 2020 projects and their status as of December 31, 2019. It further reflects known or anticipated cost, scope, or schedule changes and risks identified since the FY2019 Year-End Report submitted in November.

If you have any questions or comments, please contact me at michael.leahy@maryland.gov.

Sincerely,

Michael G. Leahy

Secretary

Enclosure

cc: Patrick Frank, Office of Policy Analysis, Department of Legislative Services
        Lance Schine, Deputy Secretary, Department of Information Technology
        Barbara Wilkins, Director of Government Relations, Department of Budget and Management

MSAR # 10115

TABLE OF CONTENTS

2

MID-YEAR REPORT ON THE

MAJOR INFORMATION TECHNOLOGY DEVELOPMENT PROJECT FUND

For

Fiscal Year 2020

As of December 31, 2019

State Agency Abbreviations

Baltimore City Community College	BCCC
Comptroller	COMP
Department of Budget and Management	DBM
Department of General Services	DGS
Department of Human Services	DHS
Department of Information Technology	DoIT
Department of Labor, Licensing and Regulation	DLLR
Department of Public Safety and Correctional Services	DPSCS
Office of the Attorney General	OAG
Office of the Public Defender	OPD
Maryland 529	MD529
Maryland Department of Environment	MDE
Maryland Department of Health	MDH
Maryland Institute for Emergency Medical Services Systems	MIEMSS
Maryland State Department of Education	MSDE
Maryland State Police	MSP
Maryland State Retirement and Pension System	SRA
Maryland Department of Transportation	MDOT
Maryland Aviation Administration	MDOT-MAA
Maryland Transit Administration	MDOT-MTA
Maryland Transportation Authority	MDTA
Motor Vehicle Administration	MDOT-MVA
State Highway Administration	MDOT-SHA
The Secretary's Office	MDOT-TSO
State Board of Elections	SBE
State of Maryland Assessment and Taxation	SDAT
State Treasurer Office	STO
Workers' Compensation Commission	WCC

Executive Summary

The Maryland Department of Information Technology's (DoIT) Fiscal Year 2020 (FY20) portfolio of Major Information Technology Projects (MITDPs) mid-year report provides an update on the most recent status into the performance of Maryland's IT system development projects. This report consists of fifty (50) projects across twenty-two (22) agencies. The estimated value of the current MITDP project portfolio is $1,176,592,190.

One new MITDP started in FY20, the Maryland Department of Health (MDH), Migration to the Cloud. This project intends to perform a lift and shift of all applications running in the MDH data center to a cloud-based solution. Two projects will close in the mid- year of FY20, the Department of Budget and Management, Statewide Personnel System (SPS) and the Maryland Department of Transportation (MDOT)-Aviation, Noise Operations Monitoring System (NOMS). DoIT EPMO is also working with the Maryland Insurance Administration (MIA) and the State Board of Elections (SBE) to formally close out the Electronic Complaint Tracking System (ECTS) and the New Voting System Replacement (NVSR) projects, respectively.

Some project milestones already accomplished in FY20 include the piloting of the Maryland State Retirement Agency (MSRA), mySRPS system for 500 members. This is the new, secure self-service website for members of the Retirement/Pension system, which plans to fully deploy the portal by Q4 of FY20. In addition, the Maryland Department of Education (MSDE) Maryland Direct Certification System (MDCS) was deployed into production in November 2019. This application will continue to receive data from the Supplemental Nutrition Assistance Program (SNAP), Temporary Cash Assistance (TCA), and Foster Care programs from the Department of Human Services (DHS).

We can foresee in the remaining half of FY20, the Independent Verification and Validations Services (IV&V) initiated on the Modular Medicaid Transformation (MMT) project with MDH, an IV&V initiated on the Comptroller Integrated Tax System (ITS) project, and the Statewide Go Live of the DHS, Child, Juvenile and Adult Management System (CJAMS) application in the summer of 2020.

The DoIT EPMO has continually taken steps to improve its reporting and metrics for the portfolio. The Management for Results (MFR) metrics for Major IT project have been revised and includes its alignment of metrics to the Agile System Development Life Cycle (SDLC). The monthly health assessment reporting process will provide for additional analytics and trends for projects progress and focus on dashboard reporting/data drill downs. The PRISM system is also developing a document repository where key deliverables for all MITDPs will be housed.

DoIT is committed and engaged in the technology strategy and direction of all IT matters in the State. This is inclusive of the recently established Intake process allowing for IT expertise to review and recommend technological standards and best IT practices for all IT development projects in the State.

FY20 MITDP Planning/Implementation Status (PPR/PIR)

Project Planning Request (PPR)/Project Implementation Request (PIR per Section 3A-309(n) of State Finance and procurement Article

#	Agency Name	Project Name	PPR/PIR
1	Assessment and Taxation	Strategic Enterprise Application Network (SEAN)	PPR
2	Baltimore City Community College	Enterprise Resource Planning System (ERP)	PIR
3	Budget and Management	Central Collections Unit CUBS Replacement Project (CCU)	PIR
4	Budget and Management	Enterprise Budgeting System (EBS)	PIR
5	Budget and Management	Statewide Personnel System (SPS)	PIR
6	Comptroller	Integrated Tax System (ITS)	PIR
7	Education	MD Direct Certification System (MDCS)	PIR
8	Elections	Agency Elections Management System Modernization (AEMS)	PIR
9	Environment	Environmental Permit Tracking System Modernization (EPTSM)	PIR
10	Environment	Lead Rental Certification and Accreditation (LRCA)	PPR
11	Emergency Medical Services	Maryland Institute for Emergency Medical Services Systems (MIEMSS) Emergency Medical Services (EMS) Communication System Upgrade	PIR
12	General Services	eMaryland Marketplace (eMMA)	PIR
13	Health	Maryland Board of Nursing (BON) Enterprise Licensing and Regulatory Management Solution (ELRMS)	PPR
14	Health	Integrated Electronic Vital Records Registration System (VRRS)	PIR
15	Health	Long Term Services and Supports (includes Financial Restructuring of the Developmental Disabilities Administration) (LTSS)	PIR
16	Health	Medicaid Management Information Systems II (MMISII)	PPR
17	Health	Migrate MDH HQ Data Center to the Cloud (CLOUD)	PPR
18	Health	Statewide Electronic Health Records (EHR)	PPR
19	Human Services	Automated Financial Systems (AFS)	PIR
20	Human Services	Maryland Total Human-services Information Network (MD THINK)	PIR
21	Information Technology	Enterprise Solution Planning Initiative (ESPI)	PPR
22	Information Technology	Maryland OneStop Portal (OneStop)	PIR

#	Agency Name	Project Name	PPR/PIR
23	Information Technology	networkMaryland 100GB Backbone Upgrade (100GB)	PIR
24	Information Technology	Voice and Datacom Modernization (VDM)	PIR
25	Labor	Electronic Licensing Modernization (ELMo)	PPR
26	Labor	Unemployment Insurance Modernization (UIM)	PIR
27	MD529	Account Holder Management System (AHMS)	PIR
28	Office of the Attorney General	Case Matter Management System (OAG -CMMS)	PIR
29	Office of the Public Defender	Case Matter Management System (OPD-CMMS)	PIR
30	Public Safety and Corrections	Drone Detection and Response System (Drones)	
31	Public Safety and Corrections	Computerized Criminal History (CCH)	PPR
32	Public Safety and Corrections	Electronic Patient Health Record (EPHR)	PPR
33	Public Safety and Corrections	Maryland Correctional Enterprises (MCE) Enterprise Resource Planning Implementation Project (MCE - ERPIP)	PIR
34	Public Safety and Corrections	Learning Management System Replacement (LMSR)	PPR
35	Public Safety and Corrections	MD Automated Fingerprinting Identification System (MAFIS)	PIR
36	State Police	Automated Licensing and Registration Tracking System (ALRTS)	PIR
37	State Police	Statewide Public Safety Communications System(700MHz)	PIR
38	State Retirement and Pension Systems	Business Process Reengineering and Support Technology (MPAS-3)	PIR
39	State Treasurer Office	Financial Systems Modernization (FSM)	PIR
40	Transportation - Authority	Automatic Fare Collection System (AFCS)	PIR
41	Transportation - Authority	Electronic Toll System 3rd Generation (ETC3G)	PIR
42	Transportation - Aviation	Noise Operations Monitoring System (NOMS)	PIR
43	Transportation - Motor Vehicle	Customer Connect	PIR

#	Agency Name	Project Name	PPR/PIR
44	Transportation - Motor Vehicle	Customer Traffic Management (CTM)	PPR
45	Transportation - State Highway	Consumable Inventory System (CIS)	PIR
46	Transportation - TSO	Capital Management and Programming System (CMAPS)	PIR
47	Transportation - TSO	Electronic Human Resources System (EHRS)	PIR
48	Transportation - Transit	Bus - Unified System Architecture (Bus-USA)	PIR
49	Transportation - Transit	Claims Management System (Claims)	PIR
50	Workers Compensation Commission	Workers Compensation Commission Enterprise Modernization (WCCEM)	PIR

Maryland
DEPARTMENT OF
INFORMATION TECHNOLOGY

Assessment and Taxation: Strategic Enterprise Application Network (SEAN) (#4100)

Project Description: This project allows for the migration and/or redevelopment of its mainframe applications onto a Cloud platform to develop user-centric applications for internal and external customers. It is a section 508c compliant, web-enabled solution that is accessible on multiple browsers and platforms, that will allow applicants to securely enter in their own tax credit application data and upload supporting documentation at any time of the day or night on any web-enabled device. It will allow applicants to self-check the status of their submission(s), receive automated and individualized communications from the Department, and make any necessary corrections or updates to their submissions.

Project Status: The project has been broken down into three phases: Phase 1 - Bring RTC/HTC applications online via OneStop. This phase has been completed; Phase 2 - Enhance the online RTC/HTC applications to automatically verify account property number and automatically send the applications to SDAT upon submission. This phase is slated to go live in spring of 2020; Phase 3 - Replace the entire legacy back end mainframe system. This phase is scheduled to be completed by February 2021.

Known / Anticipated Schedule Changes: A revised schedule is now completed and provided in the above status section.

Known / Anticipated Cost Changes: No known or anticipated cost changes at this time. Any further cost changes will be evaluated in FY20.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: It is imperative that integrations between the OneStop platform and the legacy SDAT mainframe are successful. This will involve opening up network access and making sure the environment in AWS will connect to the SDAT servers.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Baltimore City Community College: Enterprise Resource Planning System ERP) (#6618)

Project Description: Baltimore City Community College intends to replace its administrative system, which consists of legacy mainframe and COBOL technologies that are no longer fully supported by its vendors. This non-integrated system puts the college at risk since the legacy technology does not meet compliance regulations, nor adequately supports existing business functions. These limitations have resulted in process deficiencies and audit findings around state & federal compliance relating to sensitive data protections. The purpose of the project is to implement an ERP solution aimed at improving customer service to its students; strengthening technical and audit compliance; and providing increased operational efficiencies. This will allow for an environment that supports positive student learning experiences, aid leadership in capturing, and acting on, meaningful and comprehensive data points and metrics, and allow the college greater effort on recruiting, retaining and graduating students.

Project Status: The college's new President and cabinet are actively working to ensure departmental sponsorship and effective engagement with all divisions impacted by the ERP's implementation. The procurement team is 1. Researching cooperative purchasing agreements in place at area colleges and universities as part of its market research process, to establish a list of applications that meet strategic and academic goals of the college and 2. Revising the previously issued RFP. An interim project manager is working with the departmental leads to refine the previous set of requirements to ensure alignment with current and future business needs. In parallel, the new CIO is undertaking a technical review of the expanded infrastructure and conducting capacity, security, and scalability assessments to support the implementation.

Known / Anticipated Schedule Changes: The project is making progress to remedy prior scheduling delays. BCCC intends to identify a solution in FY20.

Known / Anticipated Cost Changes: Additional costs related to infrastructure expansion has strained the project's budget. The college will establish a cost structure for the remainder of the project once assessment of cooperative agreements and/or RFP solicitation processes are completed.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: Leveraging a cloud-based solution will mitigate additional delays and lessen the implementation's complexity.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Budget and Management: Central Collections Unit Systems Modernization (CCU) (#P008)

Project Description: Phase 2 of the CCU IT Modernization Project consists of production operations, a Tax Return Intercepts Program (TRIPS), system upgrade to FICO Debt Manager 11, development of a debtor portal to automate payment plans, enhancements to the Online Forms debt referral and debt adjustment application, and accounting and legal measures enhancements.
Project Status: The Tax Return Intercept Program (TRIP) is in progress for FY20 with pre-certification letters being processed. The new Debtor Portal has over 16,000 successful logins since August 1, 2019 enabling debtors to directly access account information. The upgrade to FICO Debt Manager 11 is progressing with over 30 interface programs being tested in addition to integration with the Noble Contact Center. The new State merchant services contract is in the planning phase to replace the existing IVR and web payment systems. Enhancements to the Online Forms application are in the development phase for creditors to submit debt referrals and debt adjustments. Infrastructure upgrades to enhance system performance are being procured.
Known / Anticipated Schedule Changes: In the event of rules engine upgrades, the extension of the project beyond December 2020 is possible.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: The FICO Debt Manager rules engine upgrade will occur after the version 11 upgrade to reduce project risk. The rules engine upgrade is required for future FICO Debt Manager upgrades.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** 5/10/2010

Budget and Management: Enterprise Budgeting System (EBS) (#P010)

Project Description: Replacement of the Department of Budget and Managements (DBM) legacy budgeting system, Hands on Budget Office (HOBO), which is no longer maintainable. The new system integrates position information from Workday and financial information from FMIS to allow the agency Budget Officers and DBM's Office of Budget Analysis (OBA) personnel manage both the budget development and the mandated amendment processes. The project enables system-supported tools for DBM end users to review and analyze the agency-requested budget, recommend approval or cuts of specific requests, incorporate changes requested by the Governor's Office or the legislative sessions and print the Budget Books and relevant appendices, summaries and highlights. In addition, the project introduced new capabilities in monitoring and reporting current year spend. Due to the age of the current HOBO system DBM anticipated a significant amount of business process changes that were introduced. The project designated a key resource for business process change management, training and communication to assist in that effort.
Project Status: The project continues an operation and maintenance cadence. The system has been in use for two budget cycles and the team actively monitors and addresses any issues/bugs identified in production.
Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: No project risks to report at this time.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** 9/23/2014

Project Description: Implementation of SaaS Cloud Multi-tenant Subscription based Human Capital Management (HCM) solutions to replace the State's legacy personnel systems, automate certain manual business processes, integrate statewide personnel systems and provide robust business intelligence analysis and reporting capabilities on current and legacy data. Agencies statewide will benefit from the integrated Human Resources Information System (HRIS) project which includes modules such as HR, compensation, benefits, admin, timekeeping, absence, gross payroll, recruiting and employee (personal information, benefits and time)/manager self-service. It also includes embedded business intelligence analytical reporting capabilities. The personnel activities of all executive branch agencies were formerly supported by systems that were developed and implemented in 1975. The legacy systems interface with statewide agencies serving 1,400 core users, who manage the personnel activities of approximately 50,000 State employees and benefit activities of approximately 250,000 combined State employees, retirees and eligible dependents with millions of transactions processed annually.	
Project Status: The first Statewide Open Enrollment cycle using the Workday system was conducted during October 15, 2019 through November 19, 2019 for the benefit year 2020. The project is in Operations and Maintenance (O&M) and will no longer be included in future reports.	
Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.	
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.	
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.	
Risk Assessment: The team continues to monitor and focus on the quality of human resource data.	
Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Comptroller of Maryland: Integrated Tax System (ITS) (#ITS09)

Project Description: The Compass Integrated Tax System (ITS) project will replace the Agency's State of Maryland Tax (SMART) system, Computer Assisted Collection System (CACS) and other outdated tax processing systems and will integrate with a robust data warehouse to continue and expand revenue generating projects and provide enhanced reporting functionality. The integrated system will allow the Comptroller of Maryland (COM) to efficiently administer all taxes and fees required by law. This includes the processing and collection of personal income tax and sales and use tax, the State's largest sources of revenue. Successful implementation will provide the COM with a modernized system which makes use of current technologies, supported by and adaptable to the mainstream IT workforce. Uniformity in processing across tax types will simplify compliance by taxpayers and allow for a more dynamic use of COM staff. Ongoing maintenance and support will be provided by an ITS contractor. This will include on-site staff responsible for supporting annual tax changes, new legislative mandates, and routine system maintenance and enhancements.
Project Status: The project has completed six of the nine design and configuration iterations which included approximately 50% of the interface designs as well as security reports. The team is working to prioritize the work that was not completed for inclusion with future iterations. Joint testing for the first three iterations has also been completed. The Comptroller's office has accepted several deliverables including five for the Azure cloud environment.
Known / Anticipated Schedule Changes: The project schedule is currently under review and may require changes now that the project team has a better understanding of the State and project teams capacity to share information, prioritize, and complete work.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: The project has increased capacity to support the functional development work; the possible need for additional resources is currently under review. Delays in the document scanning and management activities are now issues and need to be resolved. The design has been approved but the vendor has not yet provided the schedule for implementing the scanning and management solution.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** Anticipated award in Q4 of FY20.

Education: Maryland Direct Certification System (MDCS) (#F6107)

Project Description: The Maryland State Department of Education (MSDE), Office of School and Community Nutrition Programs (OSCNP), is in the process of implementing a new technology solution, leveraging the USDA Direct Certification Improvement Grant. The Grant is being used to replicate and implement the Florida Direct Certification Solution at MSDE to meet the 95% direct certification rate set by USDA. The project is an intra-agency collaborative effort between MSDE and the Department of Human Services as a result of the need for shared data between agency technology applications.
Project Status: MSDE completed the review and revision of data structures and file layouts in support of integration testing activities for the Maryland Direct Scan Certification System (MDCS). The MDCS was later deployed into production on November 4, 2019. The application will continue to receive data from the Supplemental Nutrition Assistance Program (SNAP), Temporary Cash Assistance (TCA), and Foster Care programs from DHS. The project anticipates transitioning its current data repository from the legacy mainframe system to DHS' MDTHINK platform in Q4 FY20.
Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: No project risks to report at this time.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Project Description: The Maryland State Board of Elections (SBE) has set out to redevelop the ballot functionality of the current legacy Agency Election Management System (AEMS) on a new platform. The AEMS Modernization project will provide all existing capabilities of the legacy system, add new capabilities, and ensure a more user friendly and flexible system. Some new potential features of the new AEMS system will include enhanced reporting, the ability to consolidate precincts, ballot definition prior to candidate filing, and multi-language translation. Additionally, the upgraded AEMS system will provide a more economical and sustainable platform and reduce risk due to better management control. It will also offer control over the changes to the application functionality and the system data. Future costs will include ongoing application support for maintenance and enhancement purposes as well as annual maintenance fees to providers of software platform elements and platform hosting fees.

Project Status: The AEMS project missed its scheduled release date of October 2019 due to User Acceptance Testing (UAT) issues found in the system. Development of the system is continuing at no cost to SBE as a result of the delay by the contractor. The MDVOTERS 7.2 UAT 4 demo and MDVOTERS 7.3 UAT 1 and 2 demos were delivered without issue. Development of the new AEMS system for the upcoming special and primary elections is currently on hold as contract modifications are negotiated with the vendors and the main functionality of the system is evaluated for general election readiness.

Known / Anticipated Schedule Changes: Due to ongoing UAT issues found in AEMS, the production release continues to experience delays.

Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: If the new AEMS system is not ready to run in parallel with the legacy system during the special and primary elections, the project may be further delayed.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Project Description: The EMS Communications System handles approximately 400,000 radio/phone calls per year and operates 24hrs a day throughout the year. The purpose of this project is to upgrade the MIEMSS communication system and capabilities to meet growing current and future needs. Particular attention is given to identifying single points of failure and eliminating them. It is MIEMSS' goal to have a highly reliable, next generation communications system which is built on a uniform platform, is IP-based, uses proven and scalable technology and integrates with the State's public safety answering points (PSAPs). The upgrade plan shall allow for geo-diverse operations, be fully functional from any physical site, have performance meeting or exceeding current capabilities, retain current analog subscriber and base station infrastructure, incorporate wired and wireless video technologies, integrate with the State's planned 700 MHz communications system, and include consideration of wireless broadband technologies.

Project Status: Phase One (encompasses the Southern Maryland (EMS Region V)) of the implementation stage is ongoing. The project team has scheduled the communication equipment installation for December 2019, and will continue the installations at one site per day until completion, which is projected to be March 2020.

Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.

Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: Delays in any phase will have a compounded effect as this project has an interdependency with the MSP 700MHz project.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Project Description: The Environmental Permit Tracking System Modernization (EPTSM) project is modernizing how the Maryland Department of the Environment (MDE) captures departmental permit data by transitioning from the existing legacy system that employs a PowerBuilder User Interface (UI), to a system developed using updated .NET technologies implemented using an agile development methodology. This project supports the Department's agenda of making services such as ePermits and eCommerce accessible to Maryland citizens, businesses, and other stakeholders using an interactive customer-centric web-based portal.
Project Status: Five releases of a planned eleven release schedule has been completed to date, which includes the completion of Air Administration and portions of both the Land and Water Administration modules. The project is currently in release six, with April 2021 set as a new target date for the completion of the implementation/final phase. Original completion date of February 2021 was changed after a delay surrounding the availability of a State provided UAT test environment.
Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: No project risks to report at this time.

Portfolio Review / Health Assessment Held: 12/17/2019	IV&V Assessments Initiated: None.

Note: End of year report inaccurately states expected completion date as Q1 FY20. Correct date should be April 2021 as stated above

Project Description: The LCRA Project's goal is to replace current legacy applications (Accreditation, Enforcement, Lead Fees and Oversight) and databases to integrate solutions that will help the MDE Lead Poisoning Prevention Program (LPPP) to maintain their business data and support their business processes in accrediting individuals, contractors and inspectors, certification of lead rental properties, opening and tracking enforcement actions against violating parties and for internal and compliance reporting.
Project Status: The contract for implementation services was approved by BPW in September 2019. The project officially kicked off in October, and the new contractor has created an initial product backlog for its Agile development process. Currently the project team is completing an assessment to better understand the details of the dependencies of the project. A statement of work (SOW) for the procurement of the project's development servers has been drafted and sent to DoIT for approval.
Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: No project risks to report at this time.

Portfolio Review / Health Assessment Held: 12/17/2019	IV&V Assessments Initiated: None.

Project Description: DGS has been charged with working with DoIT, DBM, and the Governor's office to deliver a statewide enterprise, multi-jurisdictional electronic procurement and vendor self-service ("eProcurement") solution. The intent is for eMMA to be acquired as a cloud-based, Software-as-a-Service (SaaS) solution to meet State statutory requirements for all state procurements. This will replace the prior "eMM" solution. In addition to meeting State procurement requirements and providing an enterprise, multi-jurisdictional procurement and contract management tool, eMMA will also offer options for end-to-end or Procure-to-Pay functionality with any financial management or asset management system. The eMMA solution will provide support for all public procurement processes and system requirements, including the following: public notices, sourcing, receiving, vendor self-service registration and management, solicitation development, bid document management, government-to-business online electronic punch-out catalogs, requisitioning, and a readily available data warehouse repository with reporting tools for all appropriate public information.

Project Status: The team successfully launched Release 1.0 and eMMA is now operational as the electronic bid board. DGS worked to resolve many issues as the new system came online and has a few outstanding items (i.e. log in and user training) for the implementation team to prioritize and complete. The Statement of Work (SOW) for Release 1.1 (complex sourcing and contracts management) has been finalized with Release 1.2 (vendor integration with RSTARS) and Release 2.0 (payment system) nearing completion. The project team is working on the final licensing agreements with the implementation partner for the middleware solutions after requirements were outlined. Additionally, the Deloitte contract with MDOT will be leveraged for resources to conduct the middleware programming. Pricing and schedules for both are being negotiated and should be finalized in early Q3 FY20.

Known / Anticipated Schedule Changes: The middleware implementation will delay the schedule and a rebaseline will occur in Q3 FY20.

Known / Anticipated Cost Changes: The middleware solution may increaset cost. The project team is confident the costs have been accounted for but cannot be certain until the final estimates are received. The funding request for FY21 has been adjusted to account for possible additional costs of the middleware implementation.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: The project risks include the licensing and development unknowns surrounding the implementation of the middleware solution. Additionally, availability of integrating system subject matter experts (SME's) remain a risk.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** Under evaluation.

Larry Hogan | Governor
Boyd K. Rutherford | Lt. Governor
Michael G. Leahy | Secretary
Lance Schine | Deputy Secretary

Project Description: Maryland Department of Health (MDH) is looking to replace its legacy paper and electronic patient records system (Computerized Hospital Record & Information System (CHRIS)) with a modern statewide Electronic Health Record (EHR) system. The EHR will improve operational efficiency, hospital planning, evaluation and accreditation, patient care and safety, and data security, as well as reduce administration costs. The new system will enable eligible professionals, hospitals and Local Health Departments submit public health data to MDH electronically and support MDH program goals to increase the transition from paper to electronic reporting. The system will include an improved electronic pharmacy ordering and dispensing module and introduce a fully integrated Electronic Medical Records (EMR) system across all State operated in-patient facilities. In doing so, this system will modernize and automate many existing manual, paper-based systems and significantly enhance quality improvement and assurance efforts Statewide.

Project Status: Hospital Infrastructure enhancements are under way at each of the facilities and will continue through FY21. The team is currently reviewing integration requirements as well as digitalization of all paper records at each hospital. The project RFP is under review with an anticipated release of Q3 FY20.

Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.

Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: Success of the project remains dependent upon the organizational support of the state hospitals which currently operate as independent entities. The hospitals will be essential in the process of building consistent business rules for the implementation of the multiple EHR modules.

Portfolio Review / Health Assessment Held: 12/17/2019	IV&V Assessments Initiated: None.

Project Description: Maryland Medicaid implemented a Long Term Care reform system that increases federal matching funds (FMAP) by over $140M. Specifically implemented, are: a tracking system (LTSS), a standardized assessment instrument, and an in-home services verification system (ISAS). LTSS is an integrated care management tracking system that houses real-time medical and service information regarding Medicaid participants. The original scope of work for the development and delivery of the LTSS system was determined by the functionality necessary to meet the federal Balancing Incentive Program (BIP) and Community First Choice (CFC) program requirements. The department is adding additional programs to the LTSS via modules of developed software. These modules include expansion to additional Medicaid home and community-based programs under various MDH administrations.

Project Status: During the first half of FY20, LTSS Maryland deployed several major releases. These consisted of Phase 2 of the Medical Day Care Waiver, enhancements to Community Options Waiver registry, Phase 2 deployment of the DDA waivers, automation of service activity and claims submission for Home-Delivered meals, and overall system enhancements for existing users. Two procurements are in process. The competitive procurement of a new vendor for software development, and the procurement of a new vendor for technical oversight (was canceled and will be re-procured). The Rare and Expensive Case Management (REM) project is still on track for February 2020 release. The second phase of database replatforming is planned for March 2020.

Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.

Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: Organizational change and coordination across Medicaid programs continue to be a risk and priority. MDH has allocated an Organization Change Manager to the effort to address the risk.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** 11/6/2013

Project Description: The procurement of an Enterprise Licensing and Regulatory Management Solution (ELRMS) that provides the capabilities related to the management of every aspect of licensing and discipline to Maryland Health Occupation Boards. These capabilities include software licenses and support, systems analysis, development, implementation, and support services for the Health Occupation Boards. This new system will assure, advance and protect the public's health and welfare through proper credentialing, permitting, licensing, examination, inspection, and discipline of health providers, distributors and facilities. This new system will also help enforce regulations and legislation, resolve complaints and educate the public.
Project Status: This project continues to make no progress in FY20. MDH and DoIT have been in discussions with the Board of Nursing regarding the use of the OneStop portal as the recommended platform. Discussions will continue.
Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: No project risks to report at this time.

Portfolio Review / Health Assessment Held: 12/17/2019	IV&V Assessments Initiated: None.

Project Description: Maryland Department of Health (MDH) plans to procure a solution for a modernized and Modular Medicaid Management Information System (MMIS). This project funds a major Program initiative identified as the Medicaid Enterprise Systems Modular Transformation (MMT) Project. MDH has completed a MITA 3.0 State Self-Assessment (SSA) in order to establish a baseline of their current business operations and technical architecture. As a result of the MITA SSA, MDH has formalized the initial plan, known as the Roadmap, for the modular replacement of its current Medicaid Management Information System (MMIS). The initiatives outlined in the Roadmap, call for the development, implementation, and operations of several modular systems and services to be iteratively procured and implemented over the next three to six years, with operations beginning in a phased approach as each module is implemented. MDH plans to utilize the MDTHINK platform to integrate services for the Medicaid program where applicable. The MMT Project modules include: Customer Relationship Management (CRM), Decision Support System (DSS) / Data Warehouse (DW), Pharmacy Point-of-Sale Electronic Claims Management System (POSECMS), Behavioral Health Administrative Services (BHASO), MDTHINK AWS Migration EDITPS and eMedicaid, Provider Management Module (PMM), Financial Management, and Core MMIS. Through the Center for Medicare, Medicaid Services (CMS) Advanced Planning Document (APD) process, MDH will annually request 90% federal funding.

Project Status: With the MMT Implementation APD approval, the MMT Project roadmap continues to be updated outlining the modules and respective timelines for development and implementation. The initial module, Behavioral Health Administrative Services Organization, is in design, development, and implementation (DDI) as of Q2 FY20. It will be followed by the Pharmacy Point of Sale starting in Q3 FY20. Additional module procurements and development efforts will begin in late FY20.

Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.

Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: Skilled program and project management resources, IV&V resources, and systems integration services vendors are required for the success of each module implementation, all lending to the overall program success. The participation of State subject matter experts will be essential for requirements determination through UAT, all while maintaining day-to-day business. The new Medicaid Enterprise Systems (MES) will need to integrate with the MDTHINK system Enterprise Service Bus (ESB).

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** Anticipated January 2020.

Health: Integrated Electronic Vital Records Registration System (VRRS) (#A807)

Project Description: This project will modify the code for the existing California Integrated Vital Records System (Cal-IVRS) to Maryland's specifications and port it to run on the MD THINK platform. This system will contain modules to allow secure web-based entry of all birth and fetal death records, along with the import of marriage and divorce records. The system will also support the search, retrieval, and issuance of certificates based upon these records, including modules to track the acceptance of fees and the use of security paper. This new system will be integrated with the existing Maryland Electronic Death Registration System (MD-EDRS), previously customized from California's death registration system. This integration will support existing user accounts at all Maryland medical facilities and funeral facilities, as well as the export of new records in specified formats for electronic transfer to the National Center for Health Statistics and the sending of social security numbers to/from the Social Security Administration. The system will also allow restricted search and issuance capabilities for use by local Health Departments and the Motor Vehicle Administration.

Project Status: University of California, San Diego is currently customizing the software to meet Maryland's needs. The pilot program for producing MVA location to support REAL ID license program is in the final stages. A pilot program for migrating the legacy birth system has started. Integration with the MDThink platform is under development but facing delays. All system programs are scheduled for completion between 12/2020 and 12/2021.

Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.

Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: Both resourcing and system supportability remain key risk areas. The existing legacy system is no longer supported, and the source code is unavailable.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Health: Migrate MDH HQ Data Center to the Cloud (CLOUD) (#A246)

Project Description: This project initiated in FY20 and will include a phased lift and shift of all the applications currently running in the Maryland Department of Health (MDH) HQ data center to a cloud-based solution like AWS.
Project Status: An inventory of existing MDH HQ data center systems, third-party assessment, documentation, and planning of cloud readiness for MDH systems have all been completed. MDH is currently reviewing options to replace end of life technology within the data center to both bridge the gap until cloud migration is completed as well as assist with the migration and protection of MDH data and systems to a cloud solution. MDH is in discussion with DoIT to leverage DoIT cloud-based solutions.
Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: No project risks to report at this time.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Project Description: The Automated Fiscal System (AFS) is a computerized fiscal tracking system that allows DHR's fiscal users to set up, print and track payments to various vendors, including payments to child care and foster care providers, maintains a history of financial transactions, generates a variety of fiscal reports including the 302A for assistance and the General Ledger; and produces annual 1099 data on disk for submission to Financial Management Information System (FMIS). This application is used state wide by the Local Finance offices and has several levels of security to secure the data and restrict users from access to all system functions. The current AFS system is written in an antiquated and unsupported Dephi technology. The application is outdated, prone to sensitive errors and difficult to enhance. IT resources with skills to support the application are not readily available. The system cannot take advantage of the newer technologies until it is moved to a more robust application language and the User Interface is modernized.

Project Status The State has successfully implemented Microsoft Dynamics 365 for Finance and Operations. Microsoft provided the AFS modernization team with post Go-Live support. The project is in operations and maintenance and a support desk has been implemented for global tracking and resolution of application defects. No critical or high priority issues have been reported. The AFS team has assisted the counties with their bank reconciliation and year-end closing. The Interface files between the AFS D365 application and the CJAMS have gone live in Washington County and AFS D365 is now receiving a daily interface from MD CHESSIE and CJAMS.

Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.

Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: No project risks to report at this time.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Project Description: Maryland Total Human Services Integrated Network (MD THINK) is a technological to modernize and integrate multiple Maryland State health and human services that are targeted towards the most vulnerable citizens in Maryland. The project is hosted by the Department of Human Services (DHS) and is founded on the notion of a shared technological platform for the various web based technology systems that enable access to Maryland's health and human service programs. Health and human service delivery in Maryland has traditionally been supported by "silo" stand-alone systems, with little or no interface with other systems that are also engaged in service delivery to similar target consumers in Maryland, including public health, juvenile systems, and adult services. An integration of technology systems catering to various health and human services within the State and a common data repository across the systems will allow the State to achieve cost reductions, utilize modern technology and reduce delivery time.

Project Status: The Child Welfare portion of the Child, Juvenile, and Adult Management System (CJAMS) was piloted in Washington County with state-wide deployment anticipated by end of FY20 (originally planned for end of FY19). Planning for Anne Arundel County is underway. HBX went Live on the MD THINK Platform in August 2019, with eleven environments and the Operational Model kicked off in September 2019. Weekly Operations calls with MHBE occur to discuss planned changes and updates. E&E System demos are underway across jurisdictions and stakeholder groups (1,583 participants to date) with UAT in progress. Medicaid Waiver development is in progress. CSES Consumer and Worker Portals have been developed. Modules were completed for case registration, referrals, dashboard, case management, document generation, locate, features and widgets, case action log, APIs, and work item assignment.

Known / Anticipated Schedule Changes: CJAMS will be deployed throughout FY20, although it is behind schedule from its original planned implementation of Q4 FY19. E&E, scheduled to be implemented in Q4 FY20 is behind schedule and is expected to be rolled out by Q2 FY21. Child Service Management System (CSMS), formerly Child Service Administration (CSA), will begin piloting in June/July 2020 and is expected to be deployed statewide by Q4 FY21.

Known / Anticipated Cost Changes: MD THINK submitted a deficiency request for increased funding from $89.4M to $145.2M for FY20. The FFY20 Advance Planning Document Update (APDU) is also being finalized for submission.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: Timelines and scope for each subprogram can be impacted by the inherent project risks, unknown requirements, and any changes mandated by Federal agencies.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** 5/22/2018

Project Description: A key step in the Enterprise Plan is the institution of a central intake and planning process. In this plan, the DoIT EPMO established an IT Solution Request (ITSR) process, whereby agencies identify IT needs before spending time and money on extensive planning of their segregated projects. The EPMO facilitates a review of the IT request in the context of the Enterprise, determines if it can be delivered via a procurement or minor effort, added to an existing MITDP, or whether a new Enterprise initiative (via MITDP) should be planned. The Enterprise Solutions Planning Initiative (ESPI) will provide integrated planning support and tools to support IT solutions requests received across the state. This ITPR combines the planning activities that traditionally have occurred in segregated projects in order to assess Enterprise needs. The proper planning for these requests will be critical in engaging agencies with common needs and data, developing appropriate strategies and architecture, leveraging process improvements, identifying acquisitions, and determining technologies and systems for implementation. Individual agency planning ITPR's will no longer be submitted because large upfront planning to document all project requirements is no longer desirable in an agile environment. Instead, central planning will be provided under this initiative under DoIT's purview, with the goal being to devise an Enterprise strategy. If the strategy calls for a major development effort, DoIT will help establish the processes and strategies to meet the need for all agencies in a way that is compatible with the enterprise architecture, resulting in an implementation ITPR for the initiative.
Project Status: DoIT EPMO continues its engagement in the intake process by providing evaluations for MITDPs across multiple agencies, state-wide, and/or individual system development efforts. The PRISM enhancements for FY20 are ongoing. Features to improve usability, such as the standardization of the hosting agency name, budget section view by tabs, user management updates, and updates to the portfolio classification are complete. The development of a document repository for deliverables and other related MITDP documents is in process. The team will also continue to focus on data collection and dashboard reporting development in FY20. Additional planning is being initiated for the transition of the State systems being utilized by NIC contract and an enterprise document management solution.
Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: No project risks to report at this time.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Project Description: The State of Maryland is systematically transitioning State government locations currently using Centrex/TDM/PRI/Fax lines for voice services to an IP Telephony solution. The project utilizes existing network infrastructure while also creating an IT infrastructure that will support any future State Unified Communications needs. Unified Communications integrates multiple means of communication (e.g., email, instant messaging, voice, etc.) onto one platform; gaining efficiency across the State enterprise network. As part of this effort, local area networks will be upgraded as necessary to support the VDM project.
Project Status: DoIT migrations over this period consisted of installing over 500 phones at eight locations, along with decommissioning outdated PBX's. The greater portion of these migrations occurred in the Annapolis region which included high visibility State building locations at the Government House, Shaw House, and State House. The DHS migrations included over 500 phones which were installed at five locations along with preparing the facilities and training the staff at three critical DHS service locations for DoIT provided "Call Center Services". The project is progressing as planned.
Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: Several additional agencies are interested in the VoIP solution offered under the VDM MITDP. DoIT is currently drafting a re-baseline of the project scope to include the additional agencies.
Risk Assessment: The project is working to issue a new PORFP for telecom equipment. The current PORFP expires at the end of FY20. Delays in issuing the new PORFP could result in equipment delays for the project.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Information Technology: networkMaryland 100GB Backbone Upgrade (100GB) (#P017)

Project Description: networkMaryland's infrastructure is currently a partial mesh design that has grown organically over time based on the availability of fiber assets. This network is anchored by a number of core sites, strategically located throughout the State, where network traffic and services aggregate. The availability of external internet peering services, location of data center services, and proximity to subscriber headquarters are all potential reasons a location has been selected to be a core site. These core sites are interconnected by networkMaryland fiber and the resulting fiber network is referred to as the backbone network. The current backbone network was designed based on a maximum capacity for any specific fiber link of 10 Gbps, which was the standard at the time.

This project includes 1. Re-design and re-engineering of the backbone network to leverage current technologies to increase the maximum bandwidth of the most heavily utilized backbone links to 100 Gbps and 2. Configuration and deployment of the network equipment required to support the upgrade. The project will focus on those core locations where current network traffic and expected traffic growth is the heaviest. The current preliminary design upgrades eleven core sites. Sites to be upgraded will include all of the core sites in the Baltimore - Annapolis corridor, the Frederick core site, as well as the State's primary cloud services location.

Project Status: The preliminary design of the 100 Gbps backbone solution has been finalized. The detailed design of the first phase of the ring has been completed. A technical evaluation of the potential vendors of equipment has been completed and vendors have been selected. A procurement for the MPLS equipment needed to upgrade the service delivery network has been put out for bid. The project is progressing as planned.

Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.

Known / Anticipated Cost Changes: Additional costs associated with US tariffs placed on Chinese made goods for will be incurred.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: The design risk was mitigated and the final design has been approved.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Project Description: Maryland currently has over 1,000 forms online spread across State agency websites. Many of these forms are only available to download, complete manually on paper, and return via US mail. There is no inter-agency coordination for license processing, which means that license processing tasks are duplicated many times throughout the State government apparatus. These inefficiencies come at a significant cost burden to the State and result in inconsistent qualities of service to our customers. DoIT plans to convert forms and licenses into electronic forms that enable customers with the ability to complete and submit them online, whether on a home computer, their mobile phones, or tablets. Additionally, the technology will be used to automate a variety of State processes that are currently handled manually or via legacy, or unsupported, technology.

Project Status: The project launched the OneStop platform in July 2019 to build and publish applications. Currently the project supports form creation for eight State agencies including the Department of Labor, Department of the Environment, Department of Health, Department of Transportation, Department of Higher Education Commission, Medical Cannabis Commission, Department of Assessments and Taxation, and the Department of Agriculture. The project has completed several form builds and continues to make progress towards the planned completion dates.

Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.

Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: The payment integration risk is not yet resolved, discussions with STO continue for a suitable solution. Additionally, the project has identified a need for middleware to integrate with external registry systems. Neither risk is critical as of this reporting but will soon impact the project if not resolved by Q4 FY20.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Labor: Unemployment Insurance Modernization (UIM) (#HB10)

Project Description: The Department of Labor (DOL), Division of Unemployment Insurance (UI) is modernizing the technology associated with its three primary functions: 1. Benefits (paying unemployment insurance claimants). 2. Contributions (taxes collected from employers that replenish the Trust Fund). 3. Appeals (the function that arbitrates disputes between claimants and employers on the validity of a claim). The system will be cloud based and serve the states of Maryland and West Virginia.
Project Status: UIM is in the final stages of completing Milestone 3 of the contract, the design, development, and implementation (DDI) phase. The project remains significantly behind the original production release schedule due to the poor quality of vendor deliverables and is operating without an approved project schedule. The vendor has started the end to end testing phase. The project team plans to initiate final User Acceptance Test (UAT) in January 2020, contingent upon the resolution of the pending critical PIRs, and allowing a duration of 90 days for the UAT in order to go-live, according to the current plan, by the end of March 2020.
Known / Anticipated Schedule Changes: Although operating without an updated/approved project schedule, the project team plans to go-live in March, 2020 (contingent upon successful completion of the final UAT).
Known / Anticipated Cost Changes: Majority of funding remains unspent due to a fixed price deliverables payment contract. Payments will be made upon product delivery.
Known / Anticipated Scope Changes: The scope of the minimally viable product has not changed since the last report.
Risk Assessment: Delays in the final UAT put the anticipated March 2020 release at critical risk.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** 7/17/2017 (completed 12/31/18)

Project Description: The division is targeting to launch and modernize the back-end licensing system and upgrade the current front-end E-Licensing system. The new modernized system will streamline office procedures and enhance online services to applicants, licensees, and consumers. Select features will include the ability to: store documents electronically, generate mail-merge letters/forms, store email communications, interface using tablet/smart devices and ad-hoc reporting. Previous efforts to address these features have been piece-meal in nature. The new system will give the Department flexibility to introduce new services, within a quicker time frame, thereby boosting productivity and quality of service.

Project Status: This project has been moved to the OneStop project. All future reporting will be included within the OneStop MITDP.

Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.

Known / Anticipated Cost Changes: FY19 funding has been transferred to the One Stop MITDP. It is expected that the FY20 appropriation will be moved by DOL no later than June 2020.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: No project risks to report at this time.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

MD529: Account Holder Management System (AHMS) (#0829)

Project Description: Maryland 529 provides flexible and affordable 529 plans to help Maryland families save for future college expenses and reduce dependence on student loans later. Maryland 529 is an independent state agency that offers two 529 college savings plans: 1. Maryland Prepaid College Trust (MPCT), which first opened for enrollment in 1998; and 2. Maryland College Investment Plan (MCIP), which launched in 2001 and is currently managed by T. Rowe Price. Maryland 529 has been using a single account record system called Banner since 1998 to manage both plans. Banner needs to be replaced due to the lack of support available for the system. The support was previously maintained by College Savings Systems of VA ("CSS") who terminated the contract on 11/30/2017. As a result, Maryland 529 has initiated a project to procure and implement a replacement for the Banner system.
Project Status: The project team completed a new version of the draft RFP to replace the Banner system. The draft RFP is currently under review by an independent third party. DoIT has advised MD529, that the review process for the RFP must go through its Department prior to release to ensure the technical needs are addressed.
Known / Anticipated Schedule Changes: The project is more than a year behind schedule. MD529 is estimating Q2 FY21 for the completion of the transition to managed services. A formal project schedule is expected after the review of the RFP is completed and the project has a better understanding of a procurement timeline.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: The project remains a high risk due to the delays in creating an RFP to replace the system. The risk is compounded by the lack of support for the current system and the urgency to modernize.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Office of Attorney General: Case Matter Management System (OAG-CMMS) (#10021)

Project Description: This project replaces the OAG's 15-year-old case management system (CTS). The system no longer meets the needs of the agency due to its inefficiency and speed, which impedes productivity. It is unsupported and incompatible with current applications, with limited accessibility from outside OAG's offices by employees. The new system (CMMS) will be web-based, providing multiple ways of tracking case information. Data exchange with other applications will be integrated, as will the ability to interact with current applications. New capabilities such as tracking physical files, improved document management, and legal conflict checking will be supported. System design will focus on supporting, adapting and simplifying OAG's multiple business processes. Simpler, more intuitive, task-oriented user interfaces will improve productivity, while static and ad hoc reporting will be improved. Accessibility wherever OAG work is done will enhance OAG operations at non-OAG locations, improve employee productivity, and make possible expansion of services to external customers and consumers of Maryland.

Project Status: The project rolled out planned functionality to most of the civil division and plans to complete the rollout in Q3 FY20. Additionally, the project plans to rollout eProsecutor to the Medicaid Fraud and Criminal divisions in Q4 FY20. The project team is working with the State Treasurer's Office (STO) to create an interface for a secure file transfer supporting case development. The project has experienced delays in developing the required documentation and is working to complete the SDLC documents in Q3 FY20.

Known / Anticipated Schedule Changes: Additional delays are anticipated as resource availability continues to be unpredictable.

Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: Resource constraints continue to be a risk. OAG is onboarding an additional resource, expected Q3 FY20. Additionally, lack of agency acceptance and response to statutory required oversight, limits full visibility into the project's true progress and risks.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Office of the Public Defender: Case Matter Management System (OPD-CMMS) (#20001)

Project Description: OPD will deploy E-Defender, the module of Journal Technologies, Inc.'s COTS legal case management application customized for Public Defender offices. It is a web-based tool with a Microsoft SQL Server back end, that will be tailored to OPD's requirements based on OPD's business needs. Versions of other applications in use by OPD that are required to perform case management-related tasks such as word processing, mail, calendaring, reporting, and data exchange integrate with E-Defender.
Project Status: The project has completed the overall workflow supporting the requests for specialized services and is refining the workflow specific to each service for testing. Data conversion planning experienced delays as the subcontractor was onboarded. The planning has been completed and the conversion has begun. OPD proposed an initial plan for internal workflow roles and security that the vendor is implementing. The overall physical and software infrastructure was agreed upon, and implementation begins in Q3 FY20. The project team continues to tailor and test the eDefender workflows. Delays were encountered during testing, as a result, the project pilot target has shifted to Q4 FY20.
Known / Anticipated Schedule Changes: The agreement with the Judiciary is not yet finalized, which may impact the implementation timeline. The project team is working with the Judiciary to establish the needed workflows to support secure data pulls and e-filing.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: Project schedule risks are compounded by accumulating work from previous iterations that were not prioritized and incorporated into planning of future work. An assessment by the agency is underway to determine the impact of additional iterations to the schedule.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Project Description: The Department of Public Safety and Correctional Services (DPSCS) and the Department of Information Technology (DoIT) are jointly investigating the feasibility for implementing a Drone Detection System to mitigate unlawful entry of contraband into the State of Maryland Prison System. While there is interest in including a response component to this initiative, the primary objective of this project is drone detection versus response. The project was initiated as a two-phased approach, with the first phase being a sole source contract to define the requirements and author an RFP, while the second phase will procure a contractor to deliver and implement a system. The result of the procurement would be the implementation of a two-site pilot program.
Project Status: The Drones project was transferred to DPSCS during Q1 FY20 after mutual determination between DoIT and DPSCS that the project did not garner enterprise level interest. DPSCS is preparing the RFP for release in Q4 FY20.
Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: No project risks to report at this time.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Project Description: The Department of Public Safety and Correctional Services, Information Technology and Communications Division (DPSCS/ITCD) is in the process of replacing the obsolete Computerized Criminal History (CCH) mainframe system. The legacy system which includes the Ident/Index and Arrest Disposition Reporting (ADR) systems, will be replaced with an enhanced solution that allows for the provisioning of timely, updated offender information to Local Law Enforcement, Community Supervision Programs, and other DPSCS constituents. The new system will provide effective monitoring, rehabilitation, and Case Management of offenders, providing time-saving processes that eliminate manual processes while providing consolidated information within a single data system.
Project Status: The RFP recommendation for award to the Board of Public Works is anticipated in Q3 FY20.
Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: The risk remains as per last report. The project will rely on external vendor resources to implement the new system. Resources must be conversant with the Department's business processes and current systems that will require system integration.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Public Safety and Correctional Services: Electronic Patient Health Record (EPHR) (#1740)

Project Description: The Department of Public Safety and Correctional Services is in the process of replacing the outdated Electronic Patient Health Record (EPHR) with a new and more robust system to address the needs of the Division of Correction (DOC), Division of Parole and Probation (DPP), the Office of Inmate Health Services (OIHS) and the Information Technology and Communications Division (ITCD). The Department intends to acquire and deploy a Commercial Off-The-Shelf (COTS) ambulatory EPHR that provides the facility for an automated Electronic Medication Administration Records (EMAR) system with a scheduling system that interfaces with internal systems and external vendors. The new system will comply with legal requirements as outlined in Duvall v O'Malley case, and provide DPSCS a comprehensive, primary, secondary, and specialty health services EPHR, as well as providing inpatient services, utilization management and social work mental health services that provide generally accepted standards of care.
Project Status: DPSCS reviewed bids submitted in response to the EPHR RFP. After careful evaluation of proposed systems, along with underlying technologies and projected costs, the DPSCS decided to amend previously stated requirements for an on-premise solution. DPSCS completed revisions to its technical requirements to include a cloud solution and anticipates issuing a new RFP for a cloud solution with a release of Q3 FY20.
Known / Anticipated Schedule Changes: The project is behind schedule due to procurement related delays.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: No new risks since the last report. The project will continue to rely on vendor resource knowledge and expertise for a successful implementation.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Public Safety and Correctional Services: Enterprise Resource Program (MCE-ERPIP) (#1190)

Project Description: The project description has been updated to highlight the project's focus on offering value to its stakeholders. The Maryland Correctional Enterprises (MCE) intends to replace its legacy application with a new Enterprise Resource Planning (ERP) solution. The new solution will modernize and automate manual processes that result in delays in accounts payables, accounts receivables, inventory management, along with delays in other financial workstreams. The new application will provide a centralized system to address the current limitations of decoupled processes & systems and will replace manual and inefficient business processes.
Project Status: The evaluation team completed its review of candidates for the project manager position. The recommendation for award was approved by the Board of Public Works on November 20, 2019. The new project manager will subsequently assemble the project team, revise the RFP along with its underlying requirements and work to issue an RFP through a competitive bidding process on or before Q1 FY21.
Known / Anticipated Schedule Changes: The project is behind schedule due to procurement related delays. Project related delays will be remedied once the new project manager is in place.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: No new risks since last report. As the new system may integrate with other legacy applications, the department will be required to provide subject matter experts knowledgeable in legacy applications, business processes, and workflows.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Project Description: The Department of Public Safety and Correctional Services is looking to replace the current outdated fingerprinting system with a more robust system. The new system will be expected to have enhanced requirements for the processing capabilities, record storage and management capacity of the system, to support the continued growth of the identification databases and identification-processing workload. MAFIS is used to perform fingerprint searches on individuals taken into custody by law enforcement and charged with an arrestable offense and is used by other agencies as well. Searches are completed via MAFIS for applicants requiring background checks for non-criminal justice purposes and for latent prints collected at crime scenes.

Project Status: In Q2 FY20, DPSCS attempted to resolve several concerns relating to work quality and contractual compliance that resulted in the project missing its October 2019 go-live date. DPSCS provided opportunities to cure deficiencies with course corrective measures. DPSCS also made clear its request for the vendor to deploy the MAFIS legacy application to the new MAFIS-II hardware by February 2020. This stipulation set forth the understanding to the MAFIS vendor that contractual default will result if the vendor fails to meet new deliverable obligations, as set forth in a revised deliverable schedule.

Known / Anticipated Schedule Changes: DPSCS anticipates that MAFIS-II production hardware will be configured and deployed by February 2020, and subsequent phases will be implemented prior to full system deployment by October 1, 2020.

Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: DPSCS secured an 18-month extension for the MAFIS contract in Q2 FY20 to provide legacy application support for MAFIS-I, while MAFIS-II is being implemented. This approach mitigates risks related to system availability and ensures DPSCS completes end-to-end testing and acceptance of the MAFIS-II application.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Project Description: The Department of Public Safety and Correctional Services' Police and Correctional Training Commissions (PCTC) department is in the process of implementing a new Learning Management System. The department provides regulatory oversight of entry level training, ongoing in-service training, and certification of the sworn public safety professionals in the State of Maryland. The new system will replace the twenty-year-old legacy system and will track public safety professional's certification throughout their careers, as well as original certification or recertification, separation of employment, changes in officer status, promotion/demotion, name change, instructor certification, and transfers. In addition to tracking a public safety professional's training and certification history, the system will also be used to respond to public disclosure requests, create custom and standard reports, track course/class information history, scheduling and student attendance (Academy and in-service classes) history, firearms qualification records, law enforcement agency information, agency contact information, and instructor certification & training area expertise information.

Project Status: DPSCS has prioritized active procurements resulting in the LMSR procurement being placed on hold until the Electronic Patient Health Record's RFP is complete. Work on the LMSR RFP is anticipated to resume in Q3 FY20.

Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.

Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: The legacy system has multiple interdependencies requiring integration with DPSCS' core infrastructure. Integration of newer components may impact the functionality of existing stored procedures, web service calls, and other legacy system integration processes not yet identified.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

State Retirement and Pension Systems: Business Process Reengineering and Support Technology (MPAS-3) (#4001)

Project Description: The Maryland Pension Administration System (MPAS) is to be enhanced to include real-time updates for maintenance transactions and online viewing of service credit and compensation histories. MPAS business objects, used for calculations and updates, will be shared between batch and online processing. To build secure Internet sites, the Agency anticipates licensing a commercial authentication product and incorporating that authentication package into the sites. This project entails reengineering business processes in retirement administration and supporting functions in FY18, aimed at dramatic improvements in service delivery (to 400,000 participants and 150 employers) and Agency efficiency. Over the period FY19-22, the Agency will transition methodically to the envisioned future state, including supporting technology. This is the third of three phases in the MPAS initiative begun in 2006.

Project Status: The Microsoft Dynamics 365 customer relationship management (CRM) is in Production, along with Office 365 and the Member Document Storage (MDS) application, fully integrated. The Agency's secure member portal (mySRPS) is in "beta" testing after a well-received "alpha" test, incorporating SecureAuth (a commercial product) for authentication, and go-live is planned for early 2020. The mySRPS portal includes a retirement benefit estimator, views of Agency data for each participant and other sought-after features. Agile-methodology programming has already begun on the next release, with additional features. High-volume printing and mailing equipment is producing enrollment letters to all participants in a staged roll-out, which will last several months.

Known / Anticipated Schedule Changes: Minor schedule changes have occurred due to vendor and procurement delays. Additionally, the mySRPS roll-out, employer process re-engineering detailed design, and implementation was delayed several months, but will progress according to a revised schedule.

Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: No project risks to report at this time.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Project Description: The Maryland State Police (MSP) ALRTS project involves the automation and streamlining of the regulated firearms processes. This includes automating the 77R (Application for Purchase of a Regulated Firearm) by replacing the multiple-page carbon form paper application with a web accessible smart form, submitted electronically to the MSP Licensing Division. The ALRTS project will also automate the process by which a retailer becomes a Maryland licensed firearms Dealer by automating the process of running a background check on applicants. The modernized system replaces the previous Lotus Domino-based system, and in addition replaces the current Handgun Permit application process as part of a fully integrated licensing system. The online MSP Licensing Portal will greatly reduce the time it takes for an applicant to apply, provide efficiencies to Maryland firearm Dealers and handgun instructors, and streamline processes within the Division.
Project Status: The Merchant Services Contract (MSC) has started the conversion process to the new system. Deployment of the handgun permit application process in the licensing portal was completed on October 1, 2019. Applicants for a handgun permit are required to send payment via United States Postal Service (USPS) to the Licensing Division until MSP is able to offer electronic payment options. The machine gun and dealer registration process is planned to be completed by the beginning of January 2020.
Known / Anticipated Schedule Changes: The project is delayed approximately six months due to the new MSC.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: Since a conversion of applicants using the previous MSC to the newly awarded MSC is required, any delay in this conversion process would delay the overall project, as unconverted applicants would be unable to perform credit card payment transactions for permit activities.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Project Description: The 700 MHz project will replace several outdated agency radio systems with a new state-of-the-art voice and data communications system for first responders and public services agencies. The existing systems are old and employ out dated analog technology which relies on software patches to maintain interoperability. . The new system will allow a trunked, digital system and interoperability that is easier to achieve and allows a common use language built to Project 25 (P25) standards. New infrastructure will be designed and built to meet current and future communications system requirements of the State and participating local government agencies. The new system will provide communication capability between State agencies and local jurisdictions.	
Project Status: The project is on track to complete Phase 5 (Southern MD and NCR Region) - the final phase of the implementation cycle and consists of five counties which are to be completed concurrently. The final system acceptance is scheduled for December 2020. The construction of a tower at Harry Nice Memorial Bridge in Charles County was completed on 11/18/2019.	
Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.	
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.	
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.	
Risk Assessment: No project risks to report at this time.	
Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

State Treasurer Office: Financial Systems Modernization (FSM) (#1800)

Project Description: IBM had designated an end-of-service date of December 31, 2018 for STO's midrange AS400/i5 Treasury Management System and Insurance Management System. The AS400/i5 is the core financial interface system and is a mission critical agency system allowing the Treasurer's Office to meet its constitutional and statutory responsibilities to disburse funds as warranted by the Comptroller's Office. In addition, this system is used for daily cash flow management and reconciliation functions, ACH and wire transfers for Statewide receipts and disbursements, investment of State funds, daily budget and accounting functions, and overall SITF claims management processing and recordkeeping. This project will replace the current system with a cloud-based Microsoft ERP financials and Azure custom insurance management applications.
Project Status: The project continues to make progress towards the planned March release. The Azure development and production environments supporting file transfer, web services, and batch processing are fully implemented and operational. Delays in the banking module have affected the project's budget in the areas of i5 legacy system conversion and D365 development requiring contract staff to be maintained beyond the original timeline. The delays have resulted in several contract cap extension requests.
Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.
Known / Anticipated Cost Changes: The project has submitted an adjusted FY20 deficiency request for approximately $1.8M. This increase reflects additional costs for programming and development support, Azure services, penetration testing, and for the Network Operations Center (NOC).
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: The assessment of the schedule impact for banking delays due to the Wells Fargo transition continues. Significant delays are expected if the deficiency request does not get approved.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Transportation: Authority: Automatic Fare Collection System (AFCS) (#0105)

Project Description: Maryland Transit Administration (MTA) Office of Fare Collection System and Services, under State of Good Repair (SOGR-C1), will upgrade and refresh the MTA AFCS to a stand-alone, self-sustaining system with a cloud-hosted backend that provides better expandability and supportability, extending both the lifecycle and functionality of the existing infrastructure. The project includes upgrading the AFCS software from NextFare 4(NF4) to NextFare 7 (NF7), provision of an integrated Customer Web Portal, CRM Software to support MVA's inter-agency call center, updated CharmCards, and separation from the Washington Metropolitan Area Transit Authority (WMATA) regional fare collection system.
Project Status: The project is delayed because a key milestone (System Availability) was missed. The vendor is working to resolve defects found during testing but has extended beyond the allocated time frame on the project schedule. A new go-live date and revised schedule is set for June 2020. The project completed Quality Assurance Testing in Q2 FY20. Defects related to Web Portal and CRM software, Card Reader software, and Credit Payment software need to be resolved before the next milestone (System is available for Rekey) can commence. MTA is working with the vendor to deliver an updated schedule and expedite software resubmittals to resolve the outstanding defects.
Known / Anticipated Schedule Changes: Resolving the identified defects will most likely cause a five month delay.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: The project has identified the interface between the Cubic Payment Application (CPA) and Cubic Card Reader software as part of the Fairbox payment process as critical items that need to be fully tested. Based on the delayed testing of this process, AFCS cannot confirm that all payment transactions were recorded and reconciled.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Transportation: Authority: Electronic Toll System 3rd Generation (ETC3G) (#2147)

Project Description: The ETC3G program consists of two new advertised contracts (projects). First is the Customer Service Center (CSC) which will provide for a new set of Systems and Services to manage EZ-Pass accounts. The project includes the software, host computers, a call center, IVR, web site and web services. The project has a two year build phase, a 90-day performance evaluation phase, up to ten years of operations services and maintenance and up to one year of transition support at the end of the contract. The project includes building a call center in Maryland, populating it with the necessary equipment and operating the call center for the duration of the contract. This includes receiving transactions from the toll system, conducting DMV look ups for images, account management, payment processing, reciprocity processing, collections management and citation management.

The second project is the Toll Systems and Services contract, which will replace all of the toll lane equipment with new toll collection systems. It includes new toll host computers, a central toll host, cash collection reporting and systems that support cash reconciliation and accounting. It has the same two-year build, 90-day performance, and up to ten years of operations services and maintenance as the CSC project. It includes image review and interfaces with the CSC system to pass electronic toll collection transactions to the CSC system for further processing. Both projects also have a phase out period of up to one year at the end of the contract.

Project Status: ETC3G project is delayed approximately two-three months due to several factors: factory acceptance testing (FAT), system to system connectivity not yet starting, and a change in the configuration of the William Preston Lane Jr. Memorial Bridge (WPL) to an All Electronic Toll (AET).

Known / Anticipated Schedule Changes: Both the Toll system and CSC projects show a two month slip. It is unlikely that they will recover two months of productivity with four months to go-live in February 2020.

Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: In order to minimize additional delays pertaining to the opening of the new toll stations; and defects related to the software needed to transfer payment data from other MDOT TBUs, ETC3G PM and its stakeholders are holding monthly steering committee meetings with vendors. The monthly stakeholder meetings are necessary to identify and mitigate any risks that would cause further delays in the Toll deployment schedule.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Transportation: Aviation: Noise Operations Monitoring System (NOMS) (#7405)

Project Description: The Maryland Aviation Administration (MAA) is required by the Maryland Environmental Noise Act and the Annotated Code of Maryland, to assess the noise environment created by current and projected aircraft operations at Baltimore/Washington International Thurgood Marshall Airport (BWI Marshall). In 2007, the MAA completed an update to the BWI Part 150 Noise Compatibility Program (NCP) pursuant to Title 14 of the Code of Federal Regulations (14 CFR). One NCP component approved by the FAA on February 26, 2008, recommended replacement of the current Noise Operations Monitoring System. The MAA has since received FAA approval of funding support for the design and implementation of this delegated procurement.
Project Status: After the installation of sites (24-29), each site underwent a 30-day test to ensure proper installation and performance. The Vendor wired a final acceptance letter after the 30-day test was completed for the last site installation (Site 28) on August 6, 2019 and approved on August 8, 2019. The vendor gathered final as-built documentation and presented it to MDOT MAA as part of the project closeout process. The project completion date was noted as of 10/4/2019 and a 5-year maintenance agreement is in place. This project will no longer be included in future reports.
Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: No project risks to report at this time.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Project Description: Customer Connect, formerly known as "Project Core," is an enterprise-wide project with an emphasis on modernizing the Motor Vehicle Administration's (the Administration) IT infrastructure, replacing legacy systems and enhancing the Administration's ability to provide customers and the agency with a 360-degree view of their services and needs. Customer Connect will address and serve as the base architecture for replacing the existing Titling and Registration System (TARIS) and other Administration legacy systems. Customer Connect will also provide a platform for development of new applications. The project includes five tracks: document imaging; vehicle, drivers, and business licensing; insurance; external interfaces; and data quality.
Project Status: Development for Vehicles, International Registration Plan (IRP), and business license processes are complete as of Q2 FY20. The Foundations team will utilize the test scenarios created by their Motor Vehicle Administration (MVA) subject matter experts (SMEs) to support the next phase of testing. This testing activity will be executed concurrently with conversion (Staging/Production Environment setup, Partial Mock, Full Mock,) activities. Both are slated to be completed in Q4 FY20. Training for Business Licensing, IRP, & Vehicle Services started in December 2019.
Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: No project risks to report at this time.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Project Description: The purpose of the Consumable Inventory System (CIS) project is to analyze the existing material & supplies inventory processes at MDOT SHA supported by the Office of Finance in order to develop a consolidated consumable inventory application. The system will replace a very old system currently in use today. The scope of the project includes the tasks and deliverables associated with DoIT SDLC phases 1-4 (Initiation through Requirements Analysis).

Project Status: In September 2019, a Fit/Gap report, that analyzed several products, was completed which outlined the percentage of requirements that could meet the system needs. The MDOT SHA CIS project sponsors met with DoIT in October 2019 to discuss the best path forward for product selection and procurement strategy. Use cases were developed by the project team and vendors made respective presentations on the use cases/ business requirements to satisfy a replacement system. A product demonstration was held in November of 2019. SHA is in the process of reviewing the vendor responses and anticipate on making a decision in Q3 FY20.

Known / Anticipated Schedule Changes: Once a product is selected a revised project schedule will include a new timeline and milestones.

Known / Anticipated Cost Changes: Any cost changes (i.e. software costs/licensing) will be assessed following the production selection decision.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: MDOT SHA will be following the Agile development methodology. This may pose a learning curve based on a lack of familiarity with the methodology. Also, based on the specification of the CIS requirements, the project may require a significant amount of time to verify and validate the SHA specific configuration and customization. MDOT SHA may need additional support to translate their specific business requirements within an Agile framework.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** Under evaluation.

Project Description: The project provides for a state-of-the-art suite upgrade and unification of on-board bus equipment and the fixed-end control and monitoring system under one contractor. The unified components will be provided on 690 buses encompassing all models from 2005-2018. The unification of the transit architecture will help to streamline MTA's Operations and Maintenance, and standardize methods, architecture, and operations.
Project Status: As of Q2 FY20 six out of thirteen mini-fleet buses have been installed with the new software, firmware, and route audio files. The remainder of the mini-fleet installs and testing has been put on hold by MTA Operations until the contractor provides final resolution on the fallback issue. Routers losing data communication is making the buses go into fallback (a situation where the bus can only do voice communication). Vehicle drawings have been resubmitted by the contractor and are under MTA review. Six routes have been reviewed/approved and pushed out into production. User training is ongoing
Known / Anticipated Schedule Changes: The project is currently delayed. The vendor has agreed to a no-cost extension with a planned completion date by 11/30/2020.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: BUS USA selected several buses on three routes to test the new software. The Buses that were taken out of operation for installation were deemed out of service. As a result, the three routes (Blue, Navy and 75) needed additional buses to be added in order not to disrupt service on those routes. Additional buses will have the software installed based on when they are available instead of waiting for a bulk install process. The MTA will consistently check for bus availability so that the team can quality check and push out as they become available.

Portfolio Review / Health Assessment Held: 12/17/2019	IV&V Assessments Initiated: None.

Project Description: Maryland Department of Transportation's Maryland Transit Administration (MDOT MTA) is seeking to implement a new Claims Management System to manage claims derived from accidents and incidents on MTA's transit system. This includes, tracking litigation, making and managing payments to claimants, vendors, attorneys, and insurance companies, tracking escrow payments, and providing numerous reports regarding insurance and claims. The objective of the project is to deploy a scalable solution leveraging robust application programming technologies, using proven field-tested principles, and access to tools intended to eliminate workarounds, improve business processes, and consolidate financial information, ultimately resulting in increased productivity and service quality offered by MDOT MTA to its many customers.
Project Status: The project commenced conversion activities on July 9, 2019 with their first submission of claims records. On July 19, 2019 a full extract file was provided to the vendor. The vendor provided a crosswalk matrix to track the tables submitted by MTA against those requested by the team for the conversion of data. MTA and the vendor continues to review the total list of tables (23) required to support their Claims process in the new software - ClaimsVISION. Conversion activities will include processing MTA extracts (datasets) into tables used for testing. MTA has completed data cleanup of litigation records. MTA worked with the vendor to fix errors in the loading process resulting in a short delay. The original date for testing the converted data was 11/18, but due to delays, it occurred on 12/5/19.
Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.
Risk Assessment: MTA continues to work with the vendor to identify ways to add additional automated extraction methods and validation scripts as part of the extraction, loading, and transformation (ETL) process.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Project Description: This project will develop a new system to manage capital projects and develop the annual MDOT Consolidated Transportation Program (CTP) Budget. MDOT and its Transportation Business Units (TBUs)/Authorities - Maryland Aviation Administration, Maryland Port Administration, Motor Vehicle Administration, Maryland Transit Administration, State Highway Administration and the Maryland Transportation Authority - currently utilize the MDOT Capital Programming Management System (CPMS) to manage, budget, forecast and report on the capital program. CPMS was developed in 1998 on a Microsoft (MS) Access Database Management System (DBMS) platform that has reached the end of its useful life. Recent loss of some functionality as well as security and maintenance challenges have also brought to light the need for a more modern and robust replacement system with increased capability and reliability.
Project Status: The project is on schedule to deploy phase one functionality to the Capital Programming staff throughout MDOT. The second round of UAT has concluded for all Transportation Business Units (TBUs). Defects with a Severity 1 and 2 were resolved by the 11/25/19 release. SHA leadership met with CMAP Project Manager to identify additional SHA specific business rules that needed to be incorporated into the Capital Planning module. As a result, SHA requirements will be included in a February 2020 release along with fixes for Severity 1 and Severity 2 defects. The vendor has a target completion of 12/30/19 to meet the February release schedule.
Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.
Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.
Known / Anticipated Scope Changes: As stated above, CMAPS is working with SHA to document additional requirements that are specific to the agency in order to increase their adoption of the new system in their business process.
Risk Assessment: No project risks to report at this time.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Project Description: The purpose of this project is to implement a new SaaS human resources system for the Maryland Department of Transportation (MDOT). The new EHRS will provide a single, integrated platform for managing and handling recruiting, hiring, employee records, benefits, payroll, time and attendance, compensation, employee relations, training and development, performance management, compliance, reporting, and organizational design for all MDOT business units. The EHRS workflows will route electronic documents and notifications across the organization and automate approvals, when needed. Increased automation and a consistent platform will increase the efficiency and effectiveness of the organization.

Project Status: The selection committee has completed the evaluation process and made a recommendation to MDOT. The recommendation is currently under review. An award is anticipated in January 2020.

Known / Anticipated Schedule Changes: A revised schedule will be developed upon Notice to Proceed (NTP).

Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: No project risks to report at this time.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Transportation: Motor Vehicle: Customer Traffic Management (CTM) (#80721)

Project Description: Maryland Department of Transportation (MDOT) Motor Vehicle Administration (MVA) plans to modernize the existing Customer Traffic Management System (CTM) with a comprehensive customer traffic management and reporting solution that directs, and tracks interactions with MDOT MVA customers who are required to come into a branch office in order to complete driver and vehicle service transactions. MDOT MVA is looking for a customizable, state of the art and commercially available application that provides both linear and mobile queuing options and supports the use of personal wireless devices and other web enabled platforms.

Project Status: The CTM RFP has been updated to better decompose customer data requirements between the Customer Connect (EMS C) and the new CTM system. Since customer data will no longer be available from the DB2 mainframe, Customer Connect (EMS C) will become the new database of record for all MDOT MVA customers. Also, CTM's RFP was updated to better define the interface requirements related to customer demographic information, customer wait time, and standards related to customer service queues. The CTM RFP is under review by the MDOT MVA procurement office.

Known / Anticipated Schedule Changes: No known changes at this time; however, there is a schedule dependency between this project and Customer Connect (EMS C) to support the interface requirement discussion.

Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: CTM needs to solidify the timeframe of when the customer demographic data will be needed from the Customer Connect application. The current RFP has gone through several revisions and updates to the CTM project schedule and interface requirements need to be shared with Customer Connect.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.

Project Description: The Workers Compensation Commission (WCC) Enterprise Modernization (EM) project is the modernization of an aging and complex system. It is coupled with an enterprise modernization of business processes to achieve a paperless administration of the provisions of the Maryland Workers' Compensation Law. WCC seeks to improve the effectiveness and timely delivery of services provided to its customers by achieving the following: 1. Ensuring at least 90% of all non-permanency hearings are conducted within 60 days of the "issue filed date"; 2. Maintaining a conformance rate of at least 95% for the issuance of Commission Orders within thirty days of a hearing; and 3. Maintaining an average of no more than ten days between the hearing date and the first award issued by the Commission.

Project Status: The Enterprise Modernization team has completed four development releases and is currently working on release five. External user beta testing will begin in January 2020. At present, more than 40 business processes have been created, tested, and certified for release, with an additional 30 business processes being developed as part of release cycle five.

Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.

Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.

Risk Assessment: No project risks to report at this time.

Portfolio Review / Health Assessment Held: 12/17/2019	**IV&V Assessments Initiated:** None.