



State of Maryland
Department of Information Technology

LARRY HOGAN
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BOYD K. RUTHERFORD
Lieutenant Governor

MICHAEL G. LEAHY
Secretary
LANCE SCHINE
Deputy Secretary

January 15, 2019

Ms. Victoria Gruber
Executive Director
Department of Legislative 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 2019 Mid-Year Report describes all Fiscal Year 2019 projects and their status as of December 31, 2018. It further reflects known or anticipated cost, scope, or schedule changes and risks identified since the FY2018 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

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**MID-YEAR REPORT ON THE
MAJOR INFORMATION TECHNOLOGY DEVELOPMENT
PROJECT FUND**

**For
Fiscal Year 2019
As of December 30, 2018**



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Department of Information Technology

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State Agency Abbreviations

Baltimore City Community College	BCCC
Comptroller	COMP
Department of Budget and Management	DBM
Department of Housing and Community Development	DHCD
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 Attorney General	OAG
Office of Public Defender	OPD
Maryland 529	MIA
Maryland Insurance Administration	529
Maryland Department of Environment	MDE
Maryland Department of Health	MDH
Maryland Department of Transportation	MDOT
Maryland Aviation Administration	MDOT-MAA
Maryland Transit Administration	MDOT-MTA
Maryland Transportation Authority	MDOT-MDTA
Motor Vehicle Administration	MDOT-MVA
State Highway Administration	MDOT-SHA
The Secretary's Office	MDOT-TSO
Maryland Institute for Emergency Medical Services Systems	MIEMSS
Maryland State Department of Education	MSDE
Maryland State Lottery	Lottery
Maryland State Police	MSP
Maryland State Retirement and Pension System	SRA
State Board of Elections	SBE
State of Maryland Assessment and Taxation	SDAT
Worker's Compensation Commission	WCC

Baseline Financial Data Definitions

- **Project Costs to Date (CTD):** Actual expenditures on each project that are verified for accuracy with the State's financial systems of record, on both a quarterly and an annual basis.
- **Estimate at Completion (EAC):** Total updated estimated project cost, combining actual and revised planned costs.
- **Project Funding:** Amount of funding actually made available for each project by funding type.
- **Out Year Cost Detail:** Represents the potential future year cost portion of the EAC, including one full fiscal year of operations and maintenance after project implementation.
- **Total Project Cost (TPC):** The original amount estimated by the agency that the project will cost.



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Executive Summary

The Fiscal Year 2019 (FY19) portfolio of Major Information Technology Projects (MITDPs) Mid-Year Report represents a qualitative snapshot of the portfolio of information technology initiatives. This FY19 report consists of fifty (50) projects, up three (3) MITDPs from FY18. The MITDPs continue to be governed by a two-part Information Technology Request (ITPR) process comprised of a Project Planning Request (PPR) and a Project Implementation Request (PIR). This FY19 Mid-Year Report marks the halfway point of the seventh full fiscal year of the two-step ITPR process implementation. At least half of the projects in the MITDP portfolio are currently in the implementation phase. In order to ensure the systems continue to be developed to meet the needs of the user, stakeholder(s), and the citizens of Maryland, oversight activities continue to be a critical function.

In the first half of FY19 with the completion of the 2018 General Election, the State Board of Elections (SBE) New Voting System Replacement (NVSR) Project will begin its closeout activities for a formal project closure in FY19. The Maryland Department of Transportation, Motor Vehicle Administration (MVA), Document Information and Workflow System (DIWS2) project closed and will now be incorporated into the new Customer Connect application and the future Electronic Human Resource Information System (EHRIS). These projects will no longer be included in future reports.

In August, 2018, the Enterprise Program Management Office (EPMO) completed Phase 1 of an MITDP Project Tracking Tool. The Project Request Information Systems Management (PRISM) system modernizes and streamlines the central intake process for solution and major development reporting requests. This includes modernizing the required ITPR form submitted to DBM and the Department of Legislature Services (DLS) required each fiscal year. Agencies utilized this system to complete the FY2020 IT Project Request (ITPR) Form submissions, were able to check progress of approvals of the submissions, upload deliverables, and also view a history of changes.

Some Major IT Project upcoming highlights that the State can foresee in the second half of FY19 include:

- The expansion for Maryland One Stop Portal to a number of additional agencies/licenses.
- Department of General Services (DGS) eMaryland Marketplace (eMM) and Comptroller (COM) Integration Tax System (ITS) implementation kick-offs.
- The Maryland Health Benefit Exchange (MHBE) HBX joining MDTHINK.
- Statewide Go Live of the Workday Statewide Personnel System (SPS) Benefits Module.

Additionally, as stated above, with the number of projects either initiating or already in system implementation, the EPMO needs to ensure its oversight practices are in a continuous improvement mode. The award of the Oversight Support Services (OPSS) Contract is anticipated for Q3 of FY19. And the automation of MITDP processes, analytics, and reports are forecasted in the EPMO roadmap. This will be critical for increasing visibility into project performance.

In closing, the Department of Information Technology will improve and strengthen its IT



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governance strategies and planning processes. This will reduce redundancies, minimize risk, leverage opportunities, and support a collaborative environment for the successful delivery of IT systems and solutions to the State.



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FY19 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)	PIR
2	Baltimore City Community College	Enterprise Resource Planning System (ERP)	PIR
3	Budget and Management	Statewide Personnel System (SPS)	PIR
4	Budget and Management	Central Collections Unit CUBS Replacement Project (CCU)	PIR
5	Budget and Management	Enterprise Budgeting System (EBS)	PIR
6	Comptroller	Integrated Tax System (ITS)	PPR
7	Education	MD Direct Certification System	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 (LEAD)	PIR
11	Emergency Medical Services	Maryland Institute for Emergency Medical Services Systems (MIEMSS) Emergency Medical Services (EMS) Communication System Upgrade	PPR
12	Health	Integrated Electronic Vital Records Registration System (Vital Records)	PPR
13	Health	Long Term Services and Supports (includes Financial Restructuring of the Developmental Disabilities Administration) (LTSS)	PPR
14	Health	Maryland Board of Nursing (BON) Enterprise Licensing and Regulatory Management System	PIR
15	Health	Medicaid Management Information Systems II (MMISII)	PPR
16	Health	Statewide Electronic Health Records (EHR)	PPR
17	Human Services	Automated Financial Systems (AFS)	PIR
18	Human Services	Maryland Total Human-services Information Network (MD THINK)	PIR
19	Information Technology	Drone Detection and Response System (Drones)	PPR
20	Information Technology	Enterprise Solution Planning Initiative (EPSI)	PPR
21	Information Technology	Maryland One Stop	PIR
22	Information Technology	eMaryland Marketplace (eMM)	PPR



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#	Agency Name	Project Name	PPR/PIR
23	Information Technology	Voice and Datacom Modernization (VDM)	PIR
24	Insurance Administration	Enterprise Complaint Tracking System (ECTS)	PIR
25	Labor, Licensing and Regulation	Unemployment Insurance Modernization (UIM)	PIR
26	Lottery and Gaming Control Agency	Lottery Central Monitoring and Control System (LCMCS)	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	Computerized Criminal History (CCH)	PPR
31	Public Safety and Corrections	Electronic Patient Health Record (EHR)	PPR
32	Public Safety and Corrections	e911 to Text	PIR
33	Public Safety and Corrections	Maryland Correctional Enterprises (MCE) Enterprise Resource Planning Implementation Project (MCE - ERPIP)	PIR
34	Public Safety and Corrections	MD Automated Fingerprinting Identification System (MAFIS)	PPR
35	State Police	Automated Licensing and Registration Tracking System (ALRTS)	PIR
36	State Police	Statewide Public Safety Communications System(700MHz)	PIR
37	State Retirement and Pension Systems	Business Process Reengineering and Support Technology (MPAS-3)	PPR
38	State Treasurer Office	Financial Systems Modernization (SFM)	PPR
39	Transportation - Authority	Automatic Fare Collection System (AFCS)	PIR
40	Transportation - Authority	Electronic Toll System 3 rd Generation	PIR
41	Transportation - Aviation	Noise Operations Monitoring System	PIR
42	Transportation - Motor Vehicle	Customer Connect ¹	PIR
43	Transportation - Motor Vehicle	Customer Traffic Management (CTM)	PPR
44	Transportation - Motor Vehicle	Document Imaging Workflow System 2	PIR
45	Transportation - State Highway	Consumable Inventory System (CIS)	PIR
46	Transportation - Transit	Bus - Unified System Architecture (Bus-USA)	PIR

¹ Previously known as Project Core



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#	Agency Name	Project Name	PPR/PIR
47	Transportation - Transit	Claims Management System (Claims)	PPR
48	Transportation - TSO	Capital Management and Programming System (CMAPS)	PIR
49	Transportation - TSO	Electronic Human Resources Information System (EHRIS)	PPR
50	Workers Compensation Commission	Workers Compensation Commission Enterprise Modernization (WCCEM)	PIR



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

Project Description: Project SEAN 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 fully complaint section 508c, 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. Project SEAN 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 order option with Deloitte on the AWS contract for the SEAN implementation was approved, and the implementation phase of the project began in Q1 of FY19. Additional requirements are being gathered and User Acceptance testing will be conducted for Residential Tax Credits and Homestead Tax Credit Program, which is scheduled to be completed in Q3 of FY19. SDAT is reviewing options to exercise an additional work order for the completion of Homeowners Tax Credits business rules functionality.

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

Known / Anticipated Cost Changes: In FY20, SDAT requested a cost increase of 6.8 million due to a scope change to modernize the remaining mainframe applications. DoIT is awaiting a proper plan prior to the approval of the use of funds for this change request.

Known / Anticipated Scope Changes: In FY20, SEAN will modernize the remaining mainframe applications.

Risk Assessment: Due to delays in the go live of the first set of applications with completing the requirements for testing, the project will need to be more closely monitored and detailed delivery plans developed.

Portfolio Review / Health Assessment Held: 12/18/2018

IV&V Assessments Initiated: None

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

Project Description: Baltimore City Community College (BCCC) is replacing its administrative system, which consists of archaic and segregated modules that are no longer supported. Key functional areas to be replaced include Student-facing functionality, Finance and Human Resource functionality. Maintaining this system is no longer a viable option since the companies who developed these systems no longer provide support or have gone out of business. To support this end-state, four initiatives are under way, including: Infrastructure Improvements (primarily wide and local area network); Financial Aid Management (FAM) (to ensure the college can continue to offer Grants and Scholarships); ERP preparation working with Student Affairs; and ERP procurement (An effort targeted at identifying the correct solution and finding an appropriate procurement path).

Project Status: The infrastructure refresh (LAN, WAN, VoIP Phone System, WiFi, and Admin Building) with DoIT is progressing with an anticipated completion in Q4 of FY19. FAM has remedied many resource challenges by bringing new BCCC Financial Aid staff on board and has an expected completion date in Q4 of FY19. ERP preparation work with Student Affairs is still in the planning phase. ERP procurement efforts are just getting underway and expect to position the college to execute a purchase of software (likely SaaS) in Q2/Q3 of FY20. Efforts will focus on selecting a software and implementation partner, and determine purchase options for software and services.

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

Known / Anticipated Cost Changes: The combined project costs are expected to rise given the updated estimates provided for Infrastructure, FAM and ERP solution. The costs will be better determined upon completion of the analysis of viable solutions (FY20).

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

Risk Assessment: Areas of risk include procurement, and BCCC internal resources to support an ERP Implementation. Evaluation of the budget risk is tied to the research and procurement activities currently underway at the college. BCCC is closely monitoring all areas.

Portfolio Review / Health Assessment Held: 12/18/2018

IV&V Assessments Initiated: None

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

<p>Project Description: Phase 2 of the CCU IT Modernization Project consists of production operations, a system upgrade to FICO Debt Manager 10.2, 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.</p>	
<p>Project Status: Phase 2 production operations initiated in Q1 of FY19 and consists of the annual Tax Refund Intercept Program (TRIP), generating client statements, execution of interface programs to support daily operations and data cleansing of legacy data. The FICO Debt Manager upgrade to version 10.2 includes an improved user interface, technical upgrades and enhanced functionality. Development of a debtor portal will enable debtors to establish payment plans online to replace current manual processes. Online Forms enhancements include user interface enhancements to improve data quality and to provide additional system functionality. Accounting and legal measures enhancements include overpayment processing and processing of judgment accounts. The project implementation schedule for Phase 2 is planned for completion in December 2020. The CCU Contact Center, funded outside of the MITDP, went live in December, 2018.</p>	
<p>Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.</p>	
<p>Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.</p>	
<p>Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.</p>	
<p>Risk Assessment: None</p>	
<p>Portfolio Review / Health Assessment Held: 12/18/2018</p>	<p>IV&V Assessments Initiated: 05/10/2010</p>

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

Project Description: This project's focus is the replacement of the Department of Budget and Management's (DBM) legacy budgeting system, Hands on Budget Office (HOBO), which is no longer maintainable. The new system will integrate position information from Workday and financial information from FMIS to allow the agency Budget Officers and DBM's Office of Budget Analysis (OBA) personnel to manage the budget development process as well as coordinate and manage the mandated amendment processes. The project will enable system-supported tools for the DBM end users to review and analyze the agency-requested budget, recommend approval or cuts of specific requests, incorporate the 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 will introduce new capabilities in monitoring and reporting current year spend.

Due to the age of the current HOBO system DBM is also expecting a significant amount of business process changes to be introduced. The project has designated a key resource for business process change management, training and communication to assist in that effort.

Project Status: Since October, 2018 the project has shifted to an operation and maintenance cadence, with a reduced team size and bi-weekly sprints focused on production defects and minor enhancements. After the publication of this year's budget books (mid-January) the team will start a series of workshops to identify two or three medium-term modifications to be incorporated into the product. The goal is continuous improvement and agency usability.

Known / Anticipated Schedule Changes: A number of very low priority items, such as administrative screens (for reference data) and forecasting functionality, were pushed from development due to the need to address higher-priority defect resolutions and modifications. The lower priority items will start to be addressed now and likely take several months to complete.

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

Known / Anticipated Scope Changes: The team is currently meeting with the Governor's Grants Office to determine whether the software is suitable for grants management within the State. Recommendations will be prepared for the Executive Steering Committee in Q3 of FY19.

Risk Assessment: None

Portfolio Review / Health Assessment Held: 12/18/2018

IV&V Assessments Initiated: 09/23/2014

Budget and Management: Statewide Personnel System (SPS) (#P008)

Project Description: The purpose of the SPS project is to implement SaaS Cloud Multi-tenant Subscription based HCM solutions to replace the State's legacy personnel systems, automate certain manual business processes, integrate statewide personnel systems, and to provide robust business intelligence analysis and reporting capabilities on the related current and legacy data. Agencies statewide will benefit from the integrated Human Resources Information System (HRIS). The project 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 an 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. This combined group of State employees, retirees and their eligible dependents annually process millions of transactions.

Project Status: DBM and DoIT have been live in Workday for Benefits Life Event Changes since January 1, 2018 and performed two Benefits Open Enrollment (2018 and 2019). The remaining Agencies including all Universities, MDOT, Judiciary, and MGA employees are scheduled to go live on January 1, 2019 for Benefits Life Event Changes. The retirees are scheduled to go live on April 1, 2019. The first Statewide open enrollment in Workday will be performed during fall of 2019 for the benefit year 2020.

Known / Anticipated Schedule Changes: The Retiree Prescription Employer Group Waiver Plan ("EGWP") changes were included in the SPS Benefits Go-Live scope. This requires extensive Configuration Changes and testing. The State retirees are now scheduled to go live on May 1, 2019.

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

Known / Anticipated Scope Changes: Inclusion of the "EGWP" based on legislation into the scope of the project.

Risk Assessment: SPS Project team is working with the agencies to correct the HR data so that employees' benefits are not interrupted. In order to avoid this risk, SPS Project team continue to produce scorecards to measure the Agencies data readiness for Benefits go-live.

Portfolio Review / Health Assessment Held: 12/18/2018

IV&V Assessments Initiated: None

Comptroller of Maryland: Integrated Tax System (ITS) (#0431)

Project Description: The Compass Integrated Tax System (ITS) project will replace the Agency's State of Maryland Tax (SMART) system, Computer Assisted Collection System (CACCS), and other outdated tax processing systems. It will integrate with a robust data warehouse to both continue and expand revenue generating projects and provide enhanced reporting functionality. The integrated system will allow the Comptroller 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 bring the Comptroller of Maryland (COM) a modernized system which makes use of current technologies and is 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 Comptroller staff. Ongoing maintenance and support by the ITS vendor is expected. This will include on-site staff responsible for supporting annual tax changes, new legislative mandates, and routine system maintenance and enhancements. The estimated total project cost is \$110 million.

Project Status: The recommendation for RFP award was completed in October and Notice to Proceed (NTP) is expected to be in Q3 of FY19. The Functional Team continued its efforts in accumulating the inventory of system and business artifacts and business rules. The System Integration and Data Migration teams continued their work to document system data flows, identifying, defining, categorizing, and prioritizing data issues, and plans to resolve them. A Technical Subject Matter Expert (SME) Systems Integration Lead joined the project as full-time resources.

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

Known / Anticipated Cost Changes: Upon contract award, the planned Total Project Cost (TPC) will be revised from the original estimate of \$110M to \$88M.

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

Risk Assessment: Risk is currently low. Additional risk assessments will be performed once the vendor is on-boarded.

Portfolio Review / Health Assessment Held: 12/18/18	IV & V Assessments Initiated: In Development
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Education: Maryland Direct Certification System (MDCS) (#F600)

Project Description: The MDCS will use proven stable technologies already in place at the MSDE. The Maryland State Department of Education (MSDE), Office of School and Community Nutrition Programs (OSCNP) will improve the Direct Certification (DC) process by implementing the Maryland Direct Certification System (MDCS).

Project Status: The Vendor's Notice to proceed and a kick-off meeting occurred in late August, 2018. The vendor and MSDE completed on boarding of staff which including establishing network accounts and access controls in mid-September. The initial Program Increment (PI) is complete and included the following: (1) System Confirmation (Development, Test, Staging, Production Environment and Agile Reporting (2) System Rebranding (3) Source Code Analysis (4) Solution Build-out and (5) Testing Configuration. The project is expected to complete in Q1 of 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: None

Portfolio Review / Health Assessment Held: 12/18/2018

IV&V Assessments Initiated: None

Elections: Agency Election Management System (AEMS) (#1500)

<p>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 more user friendliness and flexibility. 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.</p>	
<p>Project Status: Release 4A was delivered on November 21, 2018 for User Acceptance Testing (UAT) 1 and contained new functionality for Post-Election Documentation and Ballot Style Reports. There is remaining work for the Electionware (import ballot data) and EXP (import election results) functionality. A change order was executed to accommodate this work. Expected completion date is Q3 of FY19. Remaining functionality related to election results posting and post-election documentation is also scheduled to be delivered in Q3 of FY19.</p>	
<p>Known / Anticipated Schedule Changes: The project has experienced a 5 month schedule delay due to unforeseen effort required to generate ballot styles, interface with ElectionWare/EXP, import election results and to develop post-election exports and reports.</p>	
<p>Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.</p>	
<p>Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.</p>	
<p>Risk Assessment: None</p>	
<p>Portfolio Review / Health Assessment Held: 12/18/2018</p>	<p>IV&V Assessments Initiated: None</p>

Environment: Environmental Permit Tracking System Modernization (EPTSM) (#3205)

Project Description: The Environmental Permit Tracking System Modernization (EPTSM) project will modernize how the Maryland Department of the Environment (MDE) currently captures departmental permit data by transitioning from the existing legacy PowerBuilder user interface (UI) to one developed using .NET technologies. This project supports the Department's agenda of making services such as ePermitting and eCommerce accessible to Maryland citizens, businesses, and other stakeholders, through the use of an interactive customer-centric web-based portal.

Project Status: Release 1 (Sprints 0-6), which encompasses completion of user stories and screen mockups for the permit and compliance processes for the Air Administration is complete. The project team is planning to continue the same process of creation of user stories and screen mockups for the Land and Water Administrations. The implementation will consist of a two-phased approach. The target date for Phase 1 is Q2 of FY20, and Phase 2 will be completed Q1 of FY21.

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: None

Portfolio Review / Health Assessment Held: 12/18/2018

IV&V Assessments Initiated: None

Environment: Lead Rental Certification & Accreditation Implementation (LRCA) (#3206)

Project Description: MDE is planning to utilize .NET application development technologies coupled with a SQL Server or Oracle backend database as the recommended technology solution for the new LRCA system. The use of this technology will help in reducing dependencies on outside vendors for application enhancements, maintenance and support. This technology plan will enable the Department to utilize existing in-house resources to help maintain and support the new LRCA system. Benefits of this technology approach include agile development, interoperability, increased sustainability and reduced O&M support cost.

Project Status: A CATS+ TORFP for the implementation phase of the project was released on September 10, 2018 and due November 20, 2018. A contract award is anticipated for January, 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: None

Portfolio Review / Health Assessment Held: 12/18/2018

IV&V Assessments Initiated: None

Emergency Medical Services: MIEMSS Emergency Medical Services (EMS) Communication System Upgrade (#1100)

<p>Project Description: Each year the EMS Communications System handles approximately 400,000 radio/phone calls and operates 24/7/365. The primary purpose of this project is to upgrade the MIEMSS communications system and capabilities to meet current and future needs. Particular attention must be given to identifying single points of failure and eliminating these vulnerabilities. It is MIEMSS' goal is 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 including the locations from which MIEMSS currently operates, 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.</p>	
<p>Project Status: The Communications System Upgrade RFP was completed with the Board of Public Works approval in FY18. Initial surveys of all MIEMSS sites are complete. Design review is targeted to be complete February, 2019.</p>	
<p>Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.</p>	
<p>Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.</p>	
<p>Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.</p>	
<p>Risk Assessment: None</p>	
<p>Portfolio Review / Health Assessment Held: 12/18/18</p>	<p>IV&V Assessments Initiated: None</p>

Health: Integrated Electronic Vital Records Registration System (VRRS) (#A807R)

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 the existing user accounts that are currently in use at all Maryland medical facilities and funeral facilities. The integrated system will support the export of new records in specified formats for electronic transfer to the National Center for Health Statistics. It will also support the sending of social security numbers to/from the Social Security Administration. The system will also provide for restricted search and issuance capabilities for use by local Health Departments and by the Motor Vehicle Administration.

Project Status: FY19 Out of Cycle ITPR with DLS approval was granted for this project in December, 2019. The Maryland Department of Health (MDH) has finalized an interagency agreement with the University of California Regents to customize this software for Maryland's use. This will grant MDH a perpetual license to use, reproduce, and modify the software for the purpose of registering births and deaths within Maryland. This is a zero-cost transfer of software code and documentation to MDH. MDH is in the process of documenting detailed requirements for the customization of the system. The project team continues to evaluate hosted infrastructure options of which include the MDTHINK platform or the Amazon Web Services (AWS) at DoIT. HIPAA compliance is required for this implementation.

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: None

Portfolio Review / Health Assessment Held: 12/18/2018

IV&V Assessments Initiated: None

Health: BON Enterprise Licensing and Regulatory Management Solution (ELRMS) (#A805)

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 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: In order to expedite the delivery of the licensing system, the Board of Nursing (BON) RFP that had been assembled will be converted to a TORFP so that MDH can leverage an existing DoIT solution. Anticipated release is scheduled for July, 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 cost changes at this time.

Risk Assessment: None

Portfolio Review / Health Assessment Held: 12/18/2018

IV&V Assessments Initiated: None

Health: Long Term Support and Services Tracking System (LTSS) (#T807, T808, & T809)

Project Description: Maryland Medicaid implemented a crucial Long Term Care reform system that increases federal matching funds (FMAP) by over \$140M. Specifically, Maryland implemented 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. A module to support the Developmental Disabilities Administration (DDA) waiver, the Medical Day Care waiver (MDC), the Rare and Expensive Case Management program (REM), ISAS Provider Portal, and enhancements to existing implementations. LTSS is further expanded in 2019 to support DDA Service Provider billing.

Project Status: DDA Release 1.0 completed in July 2018 and additional releases continue in FY19. As the MDH technical support contract ended August 31, 2019, MDH has begun a competitive bid process. The technical support contract provides network engineer and application developer expertise planning and implementation oversight. Releases in 2019 include MDC Phase II implementation (FY19), TEFT enhancements, REM, and additional programs/services enhancements. A new Software Development TORFP is in progress, as the current vendor's contract ends October 31, 2019.

Known / Anticipated Schedule Changes: MDC Phase II Release moved from FY18 to FY19, due to resource and technical constraints. DDA Release 1.2 and 2.0 have moved a few months due to rate changes not being ready and requiring additional review and vetting.

Known / Anticipated Cost Changes: MDH was approved for 90% funding for Federal FY18 and are in the process of procuring APD approval for Federal FY19.

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

Risk Assessment: The incorporation of the DDA releases remain a risk to the project due to its size and complexity. The LTSS software vendor has increased its development activities to mitigate risk to the current schedule and work quality. DDA business readiness to begin operating their new business model using LTSS is a significant risk. Office of Health Services (OHS) meets regularly with DDA and provides experience information to help DDA understand and prepare for to-be operations. MDH extended their project management contract to manage a competitive bid process and will award a new project management contract shortly.

Portfolio Review / Health Assessment Held: 12/18/2018

IV&V Assessments Initiated: 11/06/2013

Health: Statewide Electronic Health Records (EHR) (#A806)

Project Description: The Maryland Department of Health (MDH) is looking to replace its legacy paper and electronic patient records with a modern Statewide Electronic Health Record (EHR), previously known as “Computerized Hospital Record & Information System (CHRIS)” and revenue cycle system that will improve operational efficiency, hospital planning, evaluation and accreditation, patient care and safety, and data security, as well as reduce the cost of administering a large multi-hospital system. The new system will enable eligible professionals, hospitals and Local Health Departments to submit public health data to MDH electronically and to 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 inpatient facilities. In doing so, this system will modernize and automate many existing manual, paper-based systems and significantly enhance quality improvement and quality assurance efforts within each State inpatient facility.

Project Status: The RFP is expected to be completed in Q2 of FY19 for a subsequent release in Q3 of FY19. A Request for Resume (RFR) for a Program Manager has been completed and the Program Manager started in in December, 2019. MDH has completed the analysis needs and is in the process of ordering the equipment to upgrade hospital(s) infrastructure. Planning and equipment ordering is expected to complete by the end of Q3 of FY19.

Known / Anticipated Schedule Changes: The schedule is expected to be delayed approximately six months due to onboarding of resources and release of a successful RFP.

Known / Anticipated Cost Changes: The transactional EHR component is expected to increase costs once an analysis is conducted on the scope of the effort.

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

Risk Assessment: None

Portfolio Review / Health Assessment Held: 12/18/2018

IV&V Assessments Initiated: None

Health: Medicaid Management Information Systems II (MMISII) Enhancements (#T8018)

Project Description: This project funds a major Program initiative identified as the MMIS Modular Replacement (MMR) Project. The MMR project is a multi-phase multi-year initiative that includes implementing several federally required MMIS initiatives along with improvements to the current MMIS business operations service levels. This project also includes performing an assessment of the current MMIS with a Medicaid Information Technology Architecture (MITA) 3.0 State Self-Assessment (SS-A). The objective is to develop a plan for replacing the legacy MMIS system with a new, modern MMIS based on a modular design, as required by Centers for Medicare and Medicaid Services (CMS). In February 2016 these project components were presented to CMS. CMS gave the Department preliminary approval to receive 90% Federal enhanced funding for the implementation of the MMIS II enhancements and the MITA 3.0 SS-A. In addition, this Project will be funded by the Department of Information Technology (DoIT) in accordance with the submitted FY ITPR.

In June 2016 OSOP submitted a Planning Advanced Planning Document (PAPD) to notify the Centers for Medicare and Medicaid Services (CMS) of the State's intent to complete a successful Medicaid Information Technology Architecture (MITA) 3.0 State Self-Assessment (SS-A) as the initial step towards a modular replacement of its current Medicaid Management Information System (MMIS). In addition to a MITA 3.0 SS-A, the program intends to plan for, procure, and implement a suite of MMIS initiatives necessary to support various Federal requirements and improve current MMIS operational service levels. These initiatives include: National Correct Coding Initiative (NCCI), Health Plan Identifier (HPID) Remediation, Provider Enrollment and Validation, Decision Support System (DSS) / Data Warehouse (DW), CAQH/CORE Remediation, and Case Management System.

Project Status: The project team developed the draft MMR Project Independent Verification and Validation (IV&V) TORFP for an independent assessment of the project. The team also extended the project management support contract and additional eighteen months while the replacement draft project management support RFP is in development. Expected release of the RFP is March, 2019.

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

Known / Anticipated Cost Changes: Revised planned costs for project expenditures in the out years were included in Fiscal Year 2020 ITPR.

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

Risk Assessment: CMS IAPD approval of Roadmap and funding for MMIS Modular Replacement project.

Portfolio Review / Health Assessment Held: 12/18/2018

IV&V Assessments Initiated: In Development

Human Services: Automated Financial System (AFS) (#6B13)

Project Description: AFS is a computerized fiscal tracking system currently used statewide by local finance officers, allowing users to perform several accounting tasks, such as: setting up, printing, and tracking payments for DHS vendors, including payments to foster care providers while maintaining financial transaction history. AFS generates several fiscal reports including 302A for assistance and the General Ledger, and produces annual 1099 data that is subsequently uploaded into the State's Financial Management Information System (FMIS) via a manual batch load process. AFS was developed using Delphi, a programming language based on object Pascal programming methods. While Delphi was regarded as a very promising development platform, it became increasingly restrictive and inflexible for the State to maintain. Requests for minor application changes were often costly to implement and required specialized programming skills to accommodate minor modification requests. AFS was implemented in 2000; given the limitation of the technology suite that the application was built on, AFS is not able to easily adjust to new workflows or adapt to newer technologies in order to provide the State with the flexibility to address changes; scalability and room to grow; and visibility to perform reconciliations and address audit inquiries in an efficient fashion. To address these concerns, the State is in the process of acquiring a new, modernized and state-of-the-art Software-as-a-Service (SaaS) application to provide improved scalability and functionality to support the ongoing operations of the Department.

Project Status: An implementation vendor was on boarded in August, 2018 and completed a deliverables/milestones schedule. Access to the Azure cloud environment has been completed. The Infrastructure team is beginning the preparation of the Active Directory integration into Azure. The team is actively engaged in project development for the Configuration, Conversion & Integration (CCI) of three sites. The high-level Project plan is to have the system planning, configuration, conversion, integration and rollout to be done in a phased approach of the counties. The Planning phase was completed on September 21, 2018. The (CCI) phase is scheduled to be completed on February 1, 2019. Sample data migration files are being extracted from the legacy systems for the data migration and interface testing of the templates. Training content and schedules are currently being finalized.

Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time. Schedule changes that may arise during the period of performance will be handled as per the terms of the contract and change management process agreed to by the vendor and DHS.

Known / Anticipated Cost Changes: No known or anticipated cost changes at this time. Cost changes that may arise during the period of performance will be handled as per the terms of the contract and change management process agreed to by the vendor and DHS.

Known / Anticipated Scope Changes: No known or anticipated scope changes at this time. Scope changes that may arise due to design discussions between DHS and Microsoft will be handled as per the terms of the contract and change management process agreed to by the vendor and DHS.

Risk Assessment: None

Portfolio Review / Health Assessment Held: 12/18/2018

IV & V Assessments Initiated: None

Human Services: Maryland Total Health Information Network (MD THINK) (#6816)

Project Description: MD THINK is a technological endeavor in the State of MD which was initiated in FFY 2017 with Federal approval to modernize and integrate multiple MD 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 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. The common platform will be hosted on a Cloud Service provided by Amazon Web Service (AWS) and will constitute a Shared Data Repository (SDR) for centralized storage and retrieval of consumer data. Health and human service delivery in the State of MD 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 MD, including public health, juvenile systems, and adult services. This leads to a situation where service delivery is rendered more expensive due to systemic inefficiencies and redundancies. 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 time of delivery.

Project Status: The project team successfully implemented the second and third Phases of the Eligibility & Enrollment system for processing Long Term Care (LTC) Applications in August, 2018. This new system focuses on improved services to the customers of LTC by providing a streamlined application process for customers and workers, and the deployment of an integrated scanning /document upload feature within the application to simplify the process for customers and workers. The new system integrates data exchanges to verify customer's information to reduce delays in processing, and creating task-based worker dashboard to track assignments and tasks. Additionally, DHS implemented a new consumer portal, *MyMDTHINK* in June 2018. This web-based portal provides a streamlined application process for LTC as well as an enhanced consumer “dashboard” where customers can view their submitted application, status of their application, and scanning functionality. The program has continued working on additional application work streams starting with the initial integration of Child Juvenile & Adult Management Services (CJAMS) with Master Data Management (MDM), SDR, and Enterprise Content Management System (ECMS), a CJAMS demo to Federal Partners, kicking off the SNAP program and the initial design and development of Food Stamp, Cash and Non MAGI Medicaid programs.

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

Known / Anticipated Cost Changes: The Federal Advance Planning document was submitted for FFY 2019 with requisition for additional funds for CSA/HBX migration/Development Center lease.

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

Risk Assessment: There is risk in approach/engagement and reporting structures of the Organization Change Management (OCM) group for the CJAMS application which involves adequate testing scenarios and educating approx. 4,000 users, using the train the trainer approach. Due to the impact of this activity there is a suggestion that an adjustment to the reporting structure be paid to provide adequate visibility to OCM.

Portfolio Review Meeting Held: 12/18/2018

IV & V Assessments Initiated: 05/22/18

Information Technology: Drone Detection and Response System (Drones) (#P015)

<p>Project Description: The Department of Public Safety and Correctional Services (DPCSC) is looking for a pilot Drone Detection and Response System to warrant against unlawful entry of contraband into the State of Maryland Prison System. This project has a two (2) phased approach: Phase 1, is to contract out to get a Subject Matter Expert (SME) to write the requirements for the RFP, and Phase 2, is to procure a vendor who will deliver and implement a system. The implementation is for 2 sites in Hagerstown only. In addition, the solution will be available for other agencies to use to procure their drone detection system. The efforts and expected outcome is to detect, and stop all unlawful entry across the State.</p>	
<p>Project Status: The RFP development process began in July, 2018, which consisted of meetings with stakeholders, a visit to an urban Correctional facility by the team, and subsequent modifications to the draft RFP. The RFP plans to be finalized in Q3 of 2019 for formal release for vendor bids. Award anticipated for Q4 of FY19.</p>	
<p>Known / Anticipated Schedule Changes: A schedule delay may occur during bidder demonstration at Hagerstown facilities due to coordination of activities. Schedules and activities will be closely monitored.</p>	
<p>Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.</p>	
<p>Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.</p>	
<p>Risk Assessment: The current contract is a pilot program and will allow for two DPSCS locations. Additional discussions will be needed surrounding the expansion of the contract if successful.</p>	
<p>Portfolio Review / Health Assessment Held: 12/18/2018</p>	<p>IV&V Assessments Initiated: None</p>

Information Technology: Enterprise Solutions Planning Initiative (ESPI) (#P013)

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 establishes an IT Solution Request (ITSR) process whereby agencies identify 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 tool to support the numerous IT solutions requests received across multiple agencies. 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, the 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: The team is continuing to enhance the new request system, PRISM, both for solution information gathering (ITSRs) and for continuing project requests (ITPRs). Enhancements including new layouts to budgeting tables, filtering, and reporting/export functionality. Some initiatives that have started or are planned for in FY19 include included data migration, case management, and document management system support. Additional work will be put toward standardization of processes and technologies. ESPI is also working to begin efforts in Q3 of FY19 in the development and implementation of a portfolio system which will provide a framework for the oversight of MITDPs to ensure consistent reviews are performed on all key project aspects and the reporting of useful information.

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: Inclusion of all IT planning regardless of MITDP determination.

Risk Assessment: None.

Portfolio Review / Health Assessment Held: 12/18/2018

IV & V Assessments Initiated: None

Information Technology: Maryland One Stop (#P016)

<p>Project Description: Maryland currently has over 1,000 forms online spread across state agency web sites. 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 utilized to automate a variety of state processes that are currently handled manually or via legacy or unsupported technology.</p>			
<p>Project Status: The project team continues to work on a number of work orders for agencies including MDH, MDOT, Maryland Department of Agriculture (MDA), and Secretary of State (SOS). A total of twenty-six work orders that add functionality to the OneStop platform or automate licenses have been engaged in all so far. Notably, DoIT is presently working with the Maryland Department of Labor Licensing and Regulation (DLLR) to modernize its aging license automation systems, and plans to implement a replacement to these systems using the OneStop portal in the near future. Due to the success of the program, a solicitation was released for a Project Manager. Anticipated award is by late Q3 of FY19.</p>			
<p>Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.</p>			
<p>Known / Anticipated Cost Changes: As more agencies continue to leverage the One Stop Portal, costs will steadily increase to support project management services, hardware and software.</p>			
<p>Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.</p>			
<p>Risk Assessment: None.</p>			
<p>Portfolio Review /Health Assessment Held:</p>		<p>12/18/2018</p>	<p>IV & V Assessments Initiated:</p>
			<p>None</p>

Information Technology: eMaryland Marketplace (eMM) (#P014)

Project Description: DoIT has engaged with DGS, 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 eMM 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 “eMM” solution provided by a contract with Periscope Holdings, Inc., which expires August 28, 2019. In addition to meeting State procurement requirements and providing an enterprise, multi-jurisdictional procurement and contract management tool, eMM will also offer options for end-to-end or Procure-to-Pay functionality with any financial management or asset management system. Such functionality will allow public bodies to either integrate in real time or batch interface, with the potential for replacing Maryland’s current ADPICS purchase order tool. The eMM 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. A statewide eProcurement solution will further provide a single, user-friendly portal for both suppliers and end-users to transact business with the State of Maryland easily and efficiently, including through the use of smartphone mobile applications. This project will ensure the state is able to deploy an eProcurement tool having the advanced eCommerce capabilities to demonstrate how Maryland is open for business.

Project Status: The evaluation team has been reviewing proposals to the RFP. An award package for the Board of Public Works (BPW) is still on schedule for Q3 of FY19. The project acknowledges an aggressive timeline for the initial deployment to replace the bid board functionality of the current eMaryland Marketplace. This needed functionality was clearly indicated in the RFP and offerors were urged to address this need in their proposals. This project will be designated a DGS project in 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. Funding required for the project will better be determined upon contract award.

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

Risk Assessment: The incumbent Periscope contract coming to an end still remains a major risk to the project.

Portfolio Review / Health Assessment Held: 12/18/2018

IV & V Assessments Initiated: None

Information Technology: Voice and Datacom Modernization (VDM) (#P012)

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, utilizing existing network infrastructure, creating an IT infrastructure that will support any future State Unified Communications needs. Unified Communications integrates multiple means of communication (e.g., e-mail, 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 VoIP.

Project Status: The Maryland Department of Disabilities (MDoD) completed their migration to VoIP in August, 2019. The project team is currently working on MSDE and Maryland Higher Education Commission (MHEC) migrations. MHEC phones have already been placed and expected cutover for MHEC is scheduled to take place in Q3. The team is currently reviewing/updating MSDE end-user information and the decision for MSDE cutover has not been made at this time, however, MSDE cutover may happen after MHEC. DHS was added to the MITDP in Q2 of FY19. The core upgrade is still needed to address any agencies networks that are not currently being managed by DoIT. Core upgrade is expected to be ready for testing in Q3 of 2020. The project now includes a 2 year effort to support DHS VoIP implementation.

Known / Anticipated Schedule Changes: With DHS now included into the schedule, it will increase the procurement volume and resource time of the VoIP team. This may impact the schedule but the exact amount of time is to be determined.

Known / Anticipated Cost Changes: The addition of DHS resulted in the addition of \$5.3M per year for FY 2019 and FY 2020. This aligns to the current FY19 and FY20 request.

Known / Anticipated Scope Changes: DHS was added to the scope (47 PBXs) with expected completion by the end of FY19.

Risk Assessment: The timeline for the DHS implementation is aggressive. The core upgrade is necessary to bring all of DHS to VoIP. DHS has additional encryption requirements that have to be taken into consideration. Procurement lag times continue to be a barrier for obtaining additional resources and equipment.

Portfolio Review / Health Assessment Held: 12/18/2018

IV & V Assessments Initiated: None

Insurance Administration: Enterprise Complaint Tracking System (ECTS) (#1200)

<p>Project Description: The Maryland Insurance Administration (MIA) identified the need to replace the legacy Enterprise Complaint Tracking System (ECTS) with a browser based document management technology that automates workflow by routing electronic documents and notifications across the organization, and enables on-line data entry, form creation, standard reports, ad-hoc queries and data exchange with internal and external systems.</p>	
<p>Project Status: MIA completed User Acceptance Testing (UAT) for the ECTS Licensee Portal and implemented this final module of the system into production in August, 2018. In September the Technical Support / Warranty phase of the project began. Multiple urgent and high priority system issues were reported and closed out during Q2 of FY19. In October a pilot group of Insurance Companies began using the Licensee Portal to administer consumer complaints. MIA issued a bulletin in December, announcing availability of the Licensee Portal to other Insurance Companies starting February 1, 2019. This will be the first opportunity to add more insurance companies to the system. With the new deployment MIA is able to provide faster resolution on consumer complaints and cost savings for Insurance Companies on printing and mailing documentation.</p>	
<p>Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.</p>	
<p>Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.</p>	
<p>Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.</p>	
<p>Risk Assessment: As MIA continues to use the new ECTS system, additional bugs may be identified that will need to be resolved during the Warranty phase of the project.</p>	
<p>Portfolio Review / Health Assessment Held: 12/18/2018</p>	<p>IV&V Assessments Initiated: None</p>

Labor, Licensing and Regulation: Unemployment Insurance Modernization (UIM) (#HB10)

<p>Project Description: The Department of Labor, Licensing and Regulation (DLLR) Division of Unemployment (UI) Insurance is modernizing the technology associated with its three (3) primary functions: Benefits (paying unemployment insurance claimants), Contributions (taxes collected from employers that replenish the Trust Fund) and 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.</p>	
<p>Project Status: UIM continues in the execution phase of Milestone 3 of the contract which is focused on Design Development and Implementation of the UIM. The project has completed 16 out of the 18 iterations. The final two iterations are slated to be tested by the end of December, 2018. The project is in the planning phase for the final UAT. The final implementation activities are being planned and documented. The project continues to have quality issues and is in conversation with the vendor to improve the quality.</p>	
<p>Known / Anticipated Schedule Changes: The May, 2019 Go Live date has been moved to September, 2019 due to the continuing quality issues.</p>	
<p>Known / Anticipated Cost Changes: No known or anticipated cost changes at this time. Majority of funding remains unspent due to a fixed price deliverables payment contract and payments will be made upon deliverable delivery.</p>	
<p>Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.</p>	
<p>Risk Assessment: Project overall remains in red status and is attributable to impacts to schedule, resource constraints and quality of delivered functionality.</p>	
<p>Portfolio Review / Health Assessment Held: 12/18/2018</p>	<p>IV&V Assessments Initiated: 7/17/2017 (completed 12/31/18)</p>

Lottery: Lottery Central Monitoring and Control System (LCMCS) (#8991)

Project Description: The Maryland State Lottery and Gaming Control Agency (MLGCA) issued a solicitation to obtain a Lottery Central Monitoring and Control System (LCMCS), and additional Lottery services on December 10, 2015. Services include but are not limited to system implementation, operations and maintenance of LCMCS and related systems, sales, marketing, instant ticket inventory and distribution, accounting, terminals, software, and telecommunications network that shall connect the Retailers to the Primary and Back-up Data Centers and all other locations required for the operation of the LCMCS.

Project Status: This project continues in Operations and Maintenance (O&M). The FY19 End of Year Report will be the final report for Lottery LCMCS.

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

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

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

Risk Assessment: None

Portfolio Review / Health Assessment Held: 12/18/2018

IV&V Assessments Initiated: None

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

Project Description: Maryland 529 is seeking a COTS product to support the agency's needs and requirements. The following represent the product requirements and are included in the RFP: A. Contractors may propose open source software; However, the Contractor must provide support for the proposed software. B. The Solution shall meet but not be limited to the following requirements: 1) Web-based SaaS solution; 2) Utilization of current State web development standards and protocols such as ASP, HTML, etc.); 3) Field search functions supported by performance based indexing; 4) Document storage, search, and retrieval for a minimum of but not limited to enrollment applications and forms requiring signatures; 5) Artifact creation and retention of all legal documents in adherence to State laws and Agency policies; 6) Configurable to meet Maryland 529 requirements; 7) Automate communication to Account Holders to include all of: a) Sending standard (template) emails on demand and on a schedule based on business rules, b) Sending specific emails on demand, c) Generating letters included as email attachments, d) Generating letters to be mailed and their associated envelopes; 8) Provide the ability to perform transaction level investigation and audits, to include: a) Generate an audit trail: Record audit trails for each data entry and change at the field level including but not limited to user, date timestamp, original value, changed value and user events, b) Filtering of transactions to just those selected for audit, c) Ensure audit records include data changed from any source, including the software, direct changes to the database, online web changes, and integration sources; 9) Use of XML standards for communications (data exchange) to external parties; and 10) Utilize APIs to automate exchange of data between internal and external systems.

Project Status: The project status is currently red. The Board has decided to pursue a Program Manager for the Prepaid Plan as opposed to sourcing a single replacement for Banner. In the interim, MD529 is pursuing a move of the physical servers of Banner to the DoIT AWS until a Program Manager can be hired. If the system does migrate to the DoIT AWS the project will likely request cancelation of the MITDP.

Known / Anticipated Schedule Changes: The schedule to replace Banner is impacted by the cancellation of the vendor contract for terms of convenience and due to staff shortages. The extent is unknown until the project direction is finalized.

Known / Anticipated Cost Changes: There are no anticipated costs changes, this may change depending on the outcome of project direction.

Known / Anticipated Scope Changes: Scope changes are dependent upon the direction of the project.

Risk Assessment: The project to replace Banner is at risk since the cancelation of the vendor contract. The project team is currently weighing options to proceed and will pursue the option which best positions the agency for success.

Portfolio Review / Health Assessment Held: 12/18/2018

IV & V Assessments Initiated: None

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

Project Description: This project replaces OAG's fifteen-year-old case management system (CTS) and OPD's ProLaw systems. They no longer meet needs: They are inefficient and slow and impedes productivity. It is rigid and cannot be adapted to fulfill new business needs. It is unsupported and incompatible with current applications. It is somewhat accessible from outside OAG's offices where OAG employees work. The new system (CMS) will be web-based, eliminating miscellaneous 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. Static and ad hoc reporting will be improved. Access 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: Users are testing the configurations for Civil Court eProsecutor customizations. Testing is progressing and things are going well with no unresolved issues. The project anticipates a go-live with the first round of Civil eProsecutor users in January 2019. With other civil users from additional units and agencies to follow thereafter and should be completed by the end of Q4 of FY19. Criminal configuration of eProsecutor has begun with anticipated completion by the end of January and a potential go-live by the end of Q4 of FY19. Consumer Protection configuration has begun and the project plans to start testing CPD by the end of Q4 of FY19 with a go-live by the end of Q2 of FY20.

Known / Anticipated Schedule Changes: No known or anticipated schedule 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: Schedule risks are likely but have little impact on the final delivery since the implementer will be onboard for the operations and maintenance of the system. The focus is on releasing a high quality product with well-trained users. Additionally, lack of agency acceptance and response to statutory required oversight limits full visibility in to the projects true progress and continues to be a risk.

Portfolio Review / Health Assessment Held: 12/18/2018

IV & V Assessments Initiated: None

Office of the Public Defender: Case Matter Management System (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 web based, and will use Microsoft SQL Server for its back end. It will be tailored to OPD's requirements based on OPD's business needs as part of implementation. 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 continues according to schedule and is on target for the Q3 of FY20 rollout. The vendor is in process of utilizing JIRA as a project management tool. The workflows related to case initiation and assignment have been created, tested and verified. Data conversion trials are in process by key user groups. System deployment schedules/alternatives are under consideration as the project determines training timelines for users. Intra-agency project communication continues and serves as organizational change management. The eDefender steering committee was also instrumental in resolving case initiation workflow differences between offices.

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

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

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

Risk Assessment: The project is considered low risk. The project is following an agile implementation approach and the project team is directed by OPD on a daily basis.

Portfolio Review / Health Assessment Held: 12/18/2018

IV & V Assessments Initiated: None

Public Safety and Correctional Services: Computerized Criminal History (CCH) (#1730)

<p>Project Description: The Department of Public Safety and Correctional Services, Information Technology and Communications Division (DPSCS/ITCD) is currently looking to replace the obsolete Computerized Criminal History (CCH) mainframe system to include the Ident/Index and Arrest Disposition Reporting (ADR) mainframe systems to state-of-the-art client/server technology. The new system will allow for the provision of timely, updated offender information to Local Law Enforcement, Community Supervision Programs, and other DPSCS constituents, for the purposes of effective monitoring, rehabilitation, and Case Management of those offenders. It will also serve as a time-saving process by eliminating the need for paper searches, and by consolidating information in a single location for retrieval.</p>	
<p>Project Status: The RFP is pending release with final reviews in process. The Project Management Office is in the process of hiring a business analyst through the DPSCS staffing contract. Resource planning is still in progress with an expected start date to align with the vendor award date, expected for Q1 of FY20.</p>	
<p>Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.</p>	
<p>Known / Anticipated Cost Changes: Grant funding for this project has been extended by one year.</p>	
<p>Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.</p>	
<p>Risk Assessment: None</p>	
<p>Portfolio Review /Health Assessment Held: 12/18/2018</p>	<p>IV&V Assessments Initiated: None</p>

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

Project Description: The Department of Public Safety and Correctional Services is currently looking to replace the outdated EHR with a new, more robust system that will meet the needs Division of Correction (DOC) to Division of Parole and Probation (DPP), the Office of Inmate Health Services (OIHS) and Information Technology and Communications Division (ITCD). The expected outcome is an already constructed Commercial Off-The-Shelf (COTS) ambulatory EHR that includes, an automated Electronic Medication Administration Records (EMAR) system, scheduling system record that interfaces with internal systems and external vendors and satisfy issues outlined in Duvall v O'Malley case. It will provide DPSCS a comprehensive, primary, secondary, and specialty health services EHR, as well as inpatient services, utilization management, social work, mental health services that provide generally accepted standards of care.

Project Status: Evaluation of the proposals for an implementation vendor is in process. Expected award is planned for Q4 of FY19.

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: None

Portfolio Review /Health Assessment Held: 12/18/2018

IV&V Assessments Initiated: None

Public Safety and Correctional Services: e911 to Text (e911) (#1410)

Project Description: The Maryland Emergency Number Systems Board (ENSB) is responsible for overseeing Maryland’s E9-1-1 system and administering the 9-1-1 Trust Fund in a fiscally responsive fashion. As part of these responsibilities, it is the intent of the ENSB to establish and implement a technologically responsive and resilient emergency E9-1-1 system that will provide citizens with rapid, direct access to public safety agencies in a price-effective manner. As part of this initiative, the ENSB is seeking a text service provider to provide a statewide Short Message Service (SMS) text messaging solution to afford the ability for Maryland’s 24 Primary Public Safety Answering Points (PSAP) and their respective Back-Up PSAPs and secondary PSAPs (e.g. Maryland State Police, Maryland Transportation Authority Police) to receive and respond to locally generated text-to-9-1-1 messages. The proposed text-to-9-1-1 system shall be able to migrate to and be compliant with the National Emergency Number Association (NENA) Next Generation 9-1-1 standards. Those standards may be found at <https://www.nena.org/?page=Standards>.

Project Status: Two county PSAPs are on line and receiving text messages to 911 emergency services. Several will go-live in early January. The ENSB continues to inspect systems as they are deployed to the county PSAPs. Several counties are slated to go-live in Q3 of FY19 but the total number cannot be determined due to the autonomy counties have for the implementation. Additionally, DPSCS has determined the Next Gen 911 project will be conducted in the same manner leaving responsibility to the counties.

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

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

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

Risk Assessment: County PSAPs have had issues with scheduling phone system provider resources for text-to-911 integration. These providers are not part of the scope of work, and are contracted to each individual county. The ENSB is working with the counties and providers to get this work expedited.

Portfolio Review / Health Assessment Held: 12/18/18

IV & V Assessments Initiated: None

Public Safety and Correctional Services: Enterprise Resource Program (MCE-ERPIP) (#1780)

<p>Project Description: This initiative will provide the ability for Maryland Correctional Enterprises (MCE) to revise and update its backend processes and aging financial and manufacturing IT infrastructure to better meet the needs of Maryland's correctional industries program. This project will allow more efficient management of the agency's program which currently generates over \$60 million per year in sales and service and employs over 2,000 inmates in Maryland's correctional facilities. The current paper driven process and computing platform is not efficient and has become less effective as MCE grows its business.</p>	
<p>Project Status: In Q1 of FY19, the existing system software maintenance agreement was extended for 6 months thru November 21, 2018. DPSCS/MCE Procurement granted another two month extension of the maintenance agreement while negotiations continue for a two year extension with the vendor. MCE hired additional resources (IT Field Operations and IT Network Specialist) to support MCE's network and institutional infrastructure. An RFR for an ERP Project Manager has been submitted to DPSCS Procurement for release. MCE will be working with IT Communications Division (ITCD) to formulate ERP plans once the new ERP Project Manager is hired.</p>	
<p>Known / Anticipated Schedule Changes: Delays to the schedule continue until a revised project strategy is determined.</p>	
<p>Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.</p>	
<p>Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.</p>	
<p>Risk Assessment: None</p>	
<p>Portfolio Review / Health Assessment Held: 12/18/2018</p>	<p>IV&V Assessments Initiated: None</p>

Public Safety and Correctional Services: Maryland Automated Fingerprinting Identification System (MAFIS) (#1790)

<p>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 current system will no longer be supported after June 30, 2019. 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 arrest able 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 also for latent prints collected at crime scenes.</p>	
<p>Project Status: The evaluation process was completed and the selected implementation vendor was submitted for approval. It is currently scheduled for Board of Public Works approval in Q3 of FY19. Notice to Process is also expected in Q3 of FY19.</p>	
<p>Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time.</p>	
<p>Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.</p>	
<p>Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.</p>	
<p>Risk Assessment: None</p>	
<p>Portfolio Review /Health Assessment Held: 12/18/2018</p>	<p>IV&V Assessments Initiated: None</p>

State Police: Automated Licensing and Registration Tracking System (ALRTS) (#1014)

Project Description: The Maryland State Police (MSP) have been tasked with automating and streamlining regulated firearms processes. This included 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 MSP Licensing Division; automating the process by which a retailer becomes a Maryland licensed firearms dealer; automating, to the extent possible, the process of running a background check on applicants; replacing the current Lotus Domino-based system; and replacing 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 submit an application, provide efficiencies to Maryland firearm dealers and handgun instructors, and significantly streamline and improve processes within the Division.

Project Status: Deployment of the automated Handgun Permit process for Phase 2 remains on hold due to contract issues between eGov/NIC, DoIT, and the State’s Treasurer’s Office that prevented submission of fees by electronic payment. Meanwhile, requirements gathering continues and development for Phase 3 has begun for: automation and process improvement for Machine Gun registration, Security Guards, Security Guard Companies, Special Police, Railroad Police, and Maryland firearm dealer registration. The forms and processing of the application types included in Phase 3 are similar enough to others already developed that MSP expects to complete all of them by Q2 of 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 aforementioned eGov/NIC contract issue poses the greatest risk. To mitigate risk, the project team is exploring other deployment solutions and continuing development of the remaining license/permit types in order to maintain schedule and control costs.

Portfolio Review / Health Assessment Held: 12/18/2018

IV&V Assessments Initiated: None

State Police: Statewide Public Safety Communications System (700MHz) (#PSC1)

Project Description: The 700MHz Statewide Interoperable Radio System Project (Maryland FiRST) is replacing several outdated State agency radio systems with a new state-of-the-art communications system for first responders and public safety agencies. The MD FiRST radio system will allow emergency communications interoperability across the State and with surrounding states. The system will allow multiple jurisdictions and disciplines to communicate during large multi-jurisdictional events or incidents. This MD FiRST radio system will also correct existing emergency communications system deficiencies by constructing new infrastructure specifically designed to meet current and future requirements of the State and participating local agencies. The system infrastructure includes: radio towers, shelters, microwave radio links, and fiber optic communications systems.

Project Status: Phases 1-3 are complete and operational. Implementation of Phase 4 counties (Western Maryland) were completed on December 13, 2018. All three counties, Washington County (December 2017), Allegany County (July 2018), Garrett County (December 2018) are now live. Coverage testing for Garrett County was completed in October, 2018. Phase 5 (Southern Maryland/National Capital Area) design is complete and equipment installation is underway. The project is on track to be complete in FY20. The system currently supports over 15,000 State agency users and an additional 25,000 interoperability users. Kent, Talbot, Caroline, and Queen Anne’s Counties are current full-time users of the system. Cecil County will join the system as a full-time user in FY19. Allegany County has migrated over to MD FiRST and Garrett County is expected to join the system once the county is live and operational.

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

Known/Anticipated Cost Changes: The EAC for this project reflects only subscriber equipment. Infrastructure costs previously included under this project are reported elsewhere by the Department of IT, and are considered separate to the budget for this project. The last subscriber equipment purchases using the 700 MHz contract will occur in FY19.

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

Risk Assessment: Within all phases of the project, there is a risk that some sites will require extensive upgrades to the towers, shelters, power supply, generators, because the radio system is being deployed on existing towers.

Portfolio Review / Health Assessment Held: 12/18/18

IV&V Assessments Initiated: None

State Retirement and Pension Systems: Business Process Reengineering and Support Technology (MPAS-3) (#2020)

Project Description: MPAS to be enhanced to include real-time update 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 the secure Internet sites, the Agency anticipates licensing a commercial authentication product and incorporating that authentication package into the sites.

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. This is the third of 3 phases in the MPAS initiative begun in 2006.

Project Status: With the re-conceptualized business processes outlined in FY18, A proof-of-concept was held and a vendor was selected to serve as the core of customer relationship management (CRM) and to handle revised screens for MPAS data re-using many existing back-end calculation and edit routines. Design / development work has been ongoing on a secure member Internet portal (“mySRPS”) and proofs-of-concept conducted with authentication vendor packages. Other solution components, such as for Internet firewall and document management, are coming together well. Approximately twelve sprints were completed by December using Agile development techniques, and DevOps-based environments continue to be created. Refinements are progressing regarding business process changes, along with decision making on staffing needs / organizational structure, and a work plan strategy / schedule for the remaining three years of the project. A staff communication and education plan has been initiated.

Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time. All planned work is on a schedule, and both the schedule and planned resource needs are manageable.

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: Some short-term risks have been identified related to vendor selection and product functions; however, delays allow the possibility of further improving the functionality of the solutions to be implemented, and the project has remained on schedule. No significant roadblocks have been identified to date.

Portfolio Review / Health Assessment Held: 12/18/18

IV & V Assessments Initiated: None

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

Project Description: IBM has 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, these systems are 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 custom Insurance Management System.

Project Status: Project contract staff is on board, and the majority of project plans have been drafted. The detailed roll-out plan will be completed by Q4 of FY19. All development and test file transfer environments are operational. Application setups are in progress for the financial modules along with custom development of a new RSTARS inbound and outbound interface. Three of five custom modules for insurance and claims are in development. The legacy system archive is in progress of being setup for testing. Project change management and training activities are being implemented.

Known / Anticipated Schedule Changes: No known or anticipated schedule changes at this time. Estimated go-live date of September, 2019 is still forecasted.

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 STO system is responsible for managing select bank accounts for all state agencies. At present, the State is moving all agency bank accounts from Bank of America to Wells Fargo. The new STO Dynamics 365 system cannot go-live until all bank accounts are moved to Wells Fargo. There is a small risk that Wells Fargo and STO will not get all bank accounts migrated by September, 2019 which will delay the Dynamics 365 go-live date. At present, Wells Fargo's plan forecasts bank account migration to be completed in time and so as to not impact the Dynamics go-live date.

Portfolio Review / Health Assessment Held: 12/18/2018

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 back end 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: Approval for the Cloud Hosting Contract providing Operation and Maintenance (O&M) was granted by Board of Public Works (BPW) in November, 2018. Notice To Proceed is pending until delivery of the certified software release. System Integration Testing and Certified Software release is expected to complete in Q3 of FY19. NF7 upgrade device testing is 95% complete. The new CharmCard has an expected delivery targeted in Q4 of FY19.

Known / Anticipated Schedule Changes: Operational Readiness has been delayed from Q3 to end of Q4 of FY19 until the release of Certified Software for MTA QA Lab verification in the new cloud hosting environment.

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: Primary risk that affects all project elements is vendor delivery of certified software that is deemed free of defects or bugs after MTA QA Lab Testing.

Portfolio Review / Health Assessment Held: 12/18/2018

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 includes a 2 year build phase, a 90 day performance evaluation phase, and up to 10 years of operations services and maintenance, and up to 1 year of transition support at the end of the contract. The call center includes building a call center within Maryland and populating it with the necessary equipment, and operating the call center for the duration of the contract. It 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. This contract 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 2 year build, 90 day performance, and up to 10 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 1 year at the end of the contract.

Project Status: In Q2 of FY19 the data migration was completed. Importing data has begun for validation and testing of the blackbox interface and will continue through March, 2019. The toll system vendor's design for image review lacks critical formatting requirements which is causing concerns about performance of this critical function. The issue is being escalated via the issue resolution ladder which was defined in the partnering sessions. The expected resolution is January, 2019.

Known / Anticipated Schedule Changes: ETC3G still expects to meet the original transition date, February, 2020. Testing for the CSC was delayed by 30-60 days due to data migration, but it is not expected to delay transition to the new services. The toll system vendor may also need to move some testing, but the time can be made up during the construction phase.

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: There are risks associated with some complicated and/or unique project issues including: (1) The blackbox conversion of transactions from the new equipment to the legacy system protocol is very custom development and is critical to timely conversion. It is being tracked closely and has experienced some delays. (2) Data migration was a challenge with close to 200 issues identified in the first attempt and validation of data is being monitored closely. (3) The toll system vendor design does not include critical formatting processes for image review including plate type and licenses plate data entry. Partnering session has been scheduled to resolve.

Portfolio Review / Health Assessment Held: 12/18/2018

IV & V Assessments Initiated: None

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

<p>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 element, which the FAA approved on February 26, 2008, recommended replacement of the current Noise Operations Monitoring System. The MAA received FAA approval of funding support for the design and implementation of this delegated procurement for an aeronautical related service.</p>	
<p>Project Status: Twenty four new Noise Monitor Terminals (NMT) were purchased and are in various stages of installation: Eleven are completed and were accepted as of November 7, 2018. Three sites are awaiting hinged pole delivery and final installations, one site is currently under the 30-day operational test, and four sites are awaiting BG&E to allocate a date for installation of the electrical meters. There are currently three NMT sites that are awaiting easements from respective counties and schools and two NMT sites that are yet to be determined on final location.</p>	
<p>Known / Anticipated Schedule Changes: Five NOMS units currently have no easement agreement in place. MAA is working diligently to get the agreements in place with Home Owners Associations, schools and counties.</p>	
<p>Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.</p>	
<p>Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.</p>	
<p>Risk Assessment: None</p>	
<p>Portfolio Review / Health Assessment Held: 12/18/2018</p>	<p>IV&V Assessments Initiated: None</p>

Transportation - Motor Vehicle: Customer Connect (#0688)

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: Customer Connect is currently on schedule with no major or unexpected barriers or constraints. Vehicle Services has been deeply engaged in definition meetings and began base configuration on December 4, 2018. Business Licensing and International Registration Plan (IRP) functional demos were performed throughout December to verify configurations were directionally correct as both teams move into their development phase on December 17, 2018. Two additional FAST team leads permanently relocated to MVA in early December as well. All three state developers are now co-located with the project team. With Vehicle Services now active, project cadence can be expected to increase significantly.

Known / Anticipated Schedule Changes: No known or anticipated scheduled 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: None

Portfolio Review / Health Assessment Held: 12/18/2018

IV&V Assessments Initiated: None

Transportation - Motor Vehicle: Customer Traffic Management (CTM) (#0684)

Project Description: Maryland Department of Transportation (MDOT) Motor Vehicle Administration (MVA) plans to modernize the existing Customer Traffic Management System 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 offices 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: A MDOT dedicated project manager has been assigned and a draft Request For Proposal (RFP) is under revision as better alignment with the Customer Connects schedule and its system function and traffic flow. Coordination of resources are being reviewed as Customer Connect Phases progress. Current CTM O&M vendor contract expires in December, 2019 and a two year extension is in progress.

Known / Anticipated Schedule Changes: The schedule for CTM is being aligned with the Customer Connect Phase 2 Implementation, which is the Driver's License and Enforcement Phase for a Q2 of FY21 release.

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 success depends heavily on the Customer Connect deployment. CTM is monitoring progress for risk aversion.

Portfolio Review / Health Assessment Held: 12/18/2018	IV & V Assessments Initiated: None
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Transportation - Motor Vehicle: Document Information and Workflow System 2 (DIWS2) (#0684)

Project Description: The Document Imaging Workflow System 2 (DIWS2) project is an enterprise solution collaboration between MDOT and DoIT for all State agencies to utilize. DIWS2 replaced more than 300 million paper documents with electronic storage and retrieval, and has become an integral MVA operating system. DIWS2 is improving workflows with standardization of information, improved reporting, and auditing capabilities. The purpose of this project is to transition the current client-server portion of the DIWS application to a new web based Electronic Document Management System (EDMS) web-based application. The proposed project would extend benefits by substituting a modern web-based Electronic Document Management System (EDMS) for the client-server system that will provide the input and workflow capabilities in DIWS. Currently the main process in which documents enter DIWS is through scanning. Future development will allow documents to enter DIWS through scanning, electronic transfer, e-mail and other applications and workflow capabilities in DIWS.

Project Status: Due to the cancellation of the Enterprise Content Management System (ECMS) Request for Proposal (RFP), and the State's Hardware/Software contract, the project has been cancelled. The document imaging needs for MVA have been incorporated into the new Customer Connect application and the future Electronic Human Resources Information System (EHRIS). DIWS2 project closure has been approved by DoIT in Q2 of FY19 with a formal closeout letter provided to MDOT. This project will no longer be included in future MITDP reporting.

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: None

Portfolio Review / Health Assessment Held: 11/20/2018

IV & V Assessments Initiated: None

Transportation-State Highway: Consumable Inventory System (CIS) (#2039)

Project Description: The MDOT SHA CIS project is to replace the current antiquated material & supplies inventory application known as Bradley-FAST. The project will investigate and document the requirements of the future SHA CIS and determine a course of action.	
Project Status: The RFP final approval for release was granted in Q2 of FY19. Evaluation of proposals are expected to complete in Q4 of FY19 and implementation to begin in 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: None	
Portfolio Review / Health Assessment Held: 12/18/2018	IV & V Assessments Initiated: None

Transportation - Transit: Bus-Unified System Architecture (USA) (#1333)

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 2005-2017. The unification of the transit architecture will help to streamline MTA's Operations and Maintenance, and standardize methods, architecture, and operations.

Project Status: Bus USA progress continues. Factory Acceptance Testing (FAT) was completed in July, 2018. The MTA Baltimore Bus-USA Bus in a Box (BIB) test was completed in December, 2018. This test is designed to demonstrate the functionality of the BIB unit equipped with radios & MG90 routers. During this time Vehicle Pre-Trip Maximo Interface Dry-Run Test was completed by the vendor, and VPN tunnel set-up was completed. Bus Mini Fleet Prototypes (2 buses) installations were completed in December with testing to begin on January 14, 2019. The rest of the Bus Mini-fleet installations will begin on February 11, 2019 and production Bus installs will begin on March 25, 2019. Bus installation and delivery for all locations are expected to be complete in Q2 of FY20.

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

Known / Anticipated Cost Changes: Cost changes are expected due to end of life notice for the oMG router used on the 2011-2016 bus series and APX voice radio upgrades. Estimated cost difference is expected at \$1,385,000.

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

Risk Assessment: None

Portfolio Review / Health Assessment Held: 12/18/2018

IV&V Assessments Initiated: None

Transportation - Transit: Claims Management System (Claims) (#2050)

Project Description: Maryland Department of Transportation's Maryland Transit Administration (MDOT MTA) is seeking to implement a new Claims Management System 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: MDOT MTA is planning to submit the contract award for Board of Public Works approval in January, 2019. Following approval, Notice to Proceed to the implementation vendor is expected in Q3 of FY19.

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: None

Portfolio Review / Health Assessment Held: 12/18/2018

IV & V Assessments Initiated: None

Transportation -TSO: Capital Management and Programming System (CMAPS) (#0103)

Project Description: MDOT and its Transportation Business Units (TBU) / Authorities – Maryland Aviation Administration (MAA), Maryland Port Administration (MPA), Maryland Vehicle Administration (MVA), Maryland Transit Administration (MTA), State Highway Administration (SHA), The Secretary’s Office (TSO), and the Maryland Transportation Authority (MDTA) currently utilize the MDOT CPMS to manage, budget, forecast and report on the capital program. This project will replace the existing CPMS to manage, budget, forecast, and report on the capital program for all of MDOT. The current system has reached the end of its useful life and is difficult to maintain. This project will develop a new system to manage capital projects and develop the annual MDOT Consolidated Transportation Program (CTP) Budget.

Project Status: Through Q1 and Q2 of FY19 the detailed Design and Configuration for the following modules of the CMAPS Solution occurred: Funding Sources Structure, Funding Control Structure, Cost Estimates Structure, Programmed Funding, Change (Project Change and Cash Flow Change), Expenditures Structure, Forecasting, Quarterly Program Development (QPD) for all TBUs, QPD for TSO / Office of Planning and Capital Programming, Capital Transportation Plan (CTP), Statewide Improvement Plan (STIP), and Reports. Migration and Integration / Interface Design and development activities were also in progress. End-to-End Testing initiated in December, 2018. Change Management activities continue in parallel of all tasks, with a dedicated Change Management resource joining the Project Team in July 2018. Individual Monthly CMAPS Steering Committees initiated in the individual TBUs, as well additional communication outreach efforts to additional stakeholders such as the Federal Partners (FHWA, FTA), Metropolitan Planning Organizations (MPOs), TBU Project Managers, and all SHA District Offices.

Known / Anticipated Schedule Changes: After reviewing some configured components of the CMAPS solution, the Project Team requested configuration modifications to streamline the business process flows and usability. This caused the Project implementation date to move one month from the initial target of March, 2019 to April, 2019.

Known / Anticipated Cost Changes: The Project Team executed an additional Work Order with the Vendor to account for requested configuration modifications. This Work Order was within Contract Authority and did not necessitate a Change Order.

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

Risk Assessment: None.

Portfolio Review / Health Assessment Held: 12/18/2018

IV&V Assessments Initiated: None

Transportation-TSO: Electronic Human Resources Information System (EHRIS) (#A0108)

Project Description: The purpose of this project is to implement a new SaaS Human Resources Information System (M.EHRS) for the Maryland Department of Transportation (MDOT). The new M.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 M.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. The project is going to be an Agile project (incremental). The project duration is for 7 years base period with Two (2) five-year option periods. The total expected cost for the 7 base year period is \$24.7M.

Project Status: The project is continuing the procurement process as the proposal date has been extended. Anticipated award by Q4 of FY19.

Known / Anticipated Schedule Changes: As a result of procurement delays, the NTP date is subject to change.

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: None

Portfolio Review / Health Assessment Held: 12/18/18

IV & V Assessments Initiated: None

Worker's Compensation Commission: Worker's Compensation Commission Enterprise Modernization (#2002)

<p>Project Description: The Workers' Compensation Commission Enterprise Modernization (WCC EM) Project is a modernization of an aging and complex system. It is coupled with an enterprise modernization of business practices 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 the following: (1) maintaining setting 90 percent or more of all non-permanency hearings within 60 days of the date when issues are filed; (2) maintaining a conformance rate of at least 95 percent for the issuance of Commission Orders within 30 days after the conclusion of a hearing; and (3) maintaining an average of no more than 10 days between the hearing date and the first award issued by the Commission.</p>	
<p>Project Status: The project implementation phase was initiated in Q1 of FY19 with BPW approval and contract Notice to Proceed (NTP). The EM team executed Epic (Objective) 1 (commenced September, 2018), which is scheduled to end January, 2019. In Epic 1, the following functions were deployed: (1) Inquiry Reports, User Registration, Funeral/Death Benefit Request, Medical Claims, Statement of Wages, Attorney Appearance, and Operational Data Storage. Epic 2 will begin in Q3 of 2019.</p>	
<p>Known / Anticipated Schedule Changes: The project may experience a six week delay in the initial Epic (Release) 1 deployment, because of a requested change.</p>	
<p>Known / Anticipated Cost Changes: No known or anticipated cost changes at this time.</p>	
<p>Known / Anticipated Scope Changes: No known or anticipated scope changes at this time.</p>	
<p>Risk Assessment: None</p>	
<p>Portfolio Review / Health Assessment Held: 12/18/2018</p>	<p>IV&V Assessments Initiated: None</p>