Current Operational IT Investments

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

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

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

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

DMAS has an Agency Mission Statement to provide access to a comprehensive system of high quality and cost effective health care services to qualifying Virginians. Additionally, DMAS has an Agency Vision Statement to become a recognized leader in the administration of health care programs in Virginia and among state Medicaid agencies.

To support the Agency Mission and Vision, DMAS Information Management Division per the 16 - 18 Biennium offers the following IT Strategic Plan (ITSP). The ITSP focuses on the following areas:

· Program Management Office (PMO) effort to plan for the Medicaid Management Information System (MMIS) Renewal/Procurement Planning.
· PMO and IT Services (ITS) collaborative effort with DMAS Office of Data Analytics on the Smart Data initiative.
· ITS infrastructure modernization and IT services improvements.
· Office of Compliance and Security (OCS) effort

Factors Impacting the Current IT

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

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

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

There many factors impacting IT at DMAS. MES Program Management Office (PMO) goal is to provide oversight, guidance and direction to the Supplier community and DMAS staff in the projects that make up the replacement of the Medicaid Management Information System (MMIS). Through IT contracts and services, the PMO will manage the transformation to a modernized Medicaid Enterprise System (MES). The PMO will coordinate Supplier activities for services and products that are MITA compliant, CMS certifiable,
and align with DMAS mission to provide services to the stakeholders of the Commonwealth. The transformation to the Medicaid Enterprise System will be phased in throughout this bi-annual reporting period and the monolithic MMIS will be running concurrently with MES in some instances. Where possible and without disruption to the overall process, the MMIS functions will be sunset as the MES COTS products are deployed. WINDOWS 2003 SERVER Currently, DMAS has 9 Windows 2003 servers in the DMAS environment. Those servers provide infrastructure foundation to the following DMAS business functions: RightFAX, Legacy Citrix, Oracle Web, Oracle Forms and Oracle Financials. All 5 business functions have a defined project-based path forward to be off of the Windows 2003 server platform with timeframes as follows: Oracle Web - NLT 10/30/2016 Oracle Forms - NLT 10/30/2016 RightFAX - NLT 10/30/2016LegacyCitrix - NLT 12/30/2016 Oracle Financials - NLT 06/30/2017

IT INFRASTRUCTURE TRANSITION

a. Identify your new projects/work, due dates and if it is mandatory DMAS will be conducting its MMIS re-procurement over this biennium and transferring the current MMIS platform to a new MES [Medicaid Enterprise System] platform. DMAS must have the full transition complete on July 1, 2018. Traditionally, MMIS has been a one-size fits all procurement. However, MES will be broken down into various components with each component procured separately. This is a CMS mandated approach.

b. Identify your existing projects, due dates and if it is mandatory DMAS will be conducting its MMIS re-procurement over this biennium and transferring the current MMIS platform to a new MES [Medicaid Enterprise System] platform. DMAS must have the full transition complete on July 1, 2018. Traditionally, MMIS has been a one-size fits all procurement. However, MES will be broken down into various components with each component procured separately. The Agency will have multiple projects that will be part of a Master Implementation Plan. An Integrator Services Solution vendor will manage the Master Implementation Plan which will have multiple implementations leading up to the July 1, 2018 date.

c. Identify your existing applications and infrastructure, where are the databases for your applications, do the applications have connections with other apps/databases DMAS is actively monitoring VITAs IT infrastructure transition and the subsequent impact on DMAS. Our main concern is the to-be Server and Storage solution and the to-be Messaging solution. DMAS has business functions that the infrastructure and applications support which are heavily populated with PII/PHI. It is incumbent that VITA provide IT infrastructure transition solutions that are foundationally SEC525 compliant. Our infrastructure and applications are fully inventoried. DMAS will be prepared to transition existing infrastructure and applications at VITAs schedule. Additionally, we will be actively working with the DMAS business community on those transitions efforts at the appropriate time.

d. You should also start to consider/plan for any application testing that may be required for transition DMAS is actively monitoring VITAs IT infrastructure transition and the subsequent impact on DMAS. Our main concern is the to-be Server and Storage solution and the to-be Messaging solution. DMAS has business functions that the infrastructure and applications support which are heavily populated with PII/PHI. It is incumbent that VITA provide IT infrastructure transition solutions that are foundationally SEC525 compliant. Our infrastructure and applications are fully inventoried. DMAS will be prepared to transition existing infrastructure and applications at VITAs schedule. Additionally, we will be actively working with the DMAS business community on those transitions efforts at the appropriate time.

SHARED SECURITY SERVICES DMAS does not plan to use Shared Security Services.

CLOUD HOSTING APPLICATIONS Yes. DMAS is taking an aggressive approach to use cloud hosting for future solutions.

INTERNET UTILIZATION DMAS should see an increase in internet usage based on the way technology is trending. As DMAS is making efforts to put future technologies into the Cloud, initial connectivity will be obtained via dedicated and secure site-to-site VPNS over the COV public Internet. In addition, with the push toward more citizen driven self-services, this will result in increased transactions. This will cause an increase in internet use.

Proposed IT Solutions

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

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

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

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

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

-MMIS Renewal/Procurement Planning - MES · Department of Medical Assistance Services (DMAS) of Commonwealth of Virginia is planning the renewal of its out-sourced Medicaid Management Information System (MMIS). CMS, the federal agency for Medicaid oversight, is mandating that all states are to follow MITA 3.0, Level 2 (Medicaid Information Technology Architecture) or above for all new MMIS systems. The current DMAS MMIS is at level 1 maturity. CMS is requiring states to reach Level 2 or above to get 90/10 (Federal/State) funding. The current MMIS contract expires June 30, 2018. DMAS is aligning staff, processes, infrastructure and technologies to drive the effort of the new MMIS replacement. As MMIS is the hub for most current DMAS business function contracts, having a newer core technology and platform is key to support the future contracts of DMAS. This will also keep costs down on integration. · The current DMAS MMIS has a lot of technology underpinnings that were designed 20 years ago. These technologies are starting to phase out and need replacement or upgrading. A few examples are Sybase for electronic data interchange, hardware stacks and ClaimCheck for the national correct coding initiative. DMAS is planning to implement a new system, as opposed to a take-over of the current MMIS. The new technologies introduced with the new system will allow for DMAS business processes to be better positioned in getting results faster. · DMAS is planning to investigate and leverage new Commonwealth IT investments in newer technology stacks such as service oriented architecture (SOA). To be most cost effective, DMAS may break the new MMIS into smaller logical chunks to achieve the CMS seven standards and conditions for a future MMIS system. See the link-- http://www.medicaid.gov/Medicaid-CHIP-Program-Information/By-Topics/Data-and-Systems/Downloads/EFR-Seven-Conditions-and-Standards.pdf. DMAS is planning to investigate whether it makes sense to out-source, in-source or have a hybrid-source model for the new detangled MMIS system. · The new MMIS will be the technical foundation of DMAS business functions. DMAS will be well positioned to modularize the delivery system of Agency services; bring more competition, flexibility, speed to change; implement new initiatives. · Smart Data · Department of Medical Assistance Services (DMAS) of Commonwealth of Virginia is currently developing a roadmap to incorporate MITA 3.0 framework into its information architecture and operations. In alignment with MITA requirements, and in an effort to enhance process transparency, automation, and consistency, DMAS has evaluated its existing SAS/analytics infrastructure and found improvement opportunities in the following 4 dimensions: 1) Data Sharing Architecture and Security. 2) Fast Response and efficiency. 3) Audit and Version Control. 4) Automation of Manual Processes. · Based on the evaluation, DMAS proposes to upgrade the current PC based SAS footprint to a DMAS server based analytics one. Doing so will provide the organization with a spectrum of tools that will enhance DMASs capacity to standardize analyses and engage in automated, dynamic reporting complete with user driven options to “slice and dice” the data. Such an environment would allow for automated alerts based on thresholds and benchmarks within the data. The time and resources currently expended on manual processes and slow processing time will be redirected to exploratory analysis, forecasting, prediction, and optimization in support of organizational decision-making. In addition, it will also make the processes transparent through audits and version control. Consistency will be achieved through automation, organization of projects, and change management control. An analytics environment will also allow business users to have secure, easy access to necessary reports and data without programmer intervention. In the future, DMAS also intends to create a data warehouse as part of its data standardization effort (MITA 3.0 Information Architecture), and these tools will complement the warehouse and create a comprehensive analysis platform. DMAS anticipates completion by March 2017. · Citrix/Remote Working · DMAS is addressing its need to have its workforce to be able to work remotely away from DMAS headquarters. Currently, 72% of its workforce uses VPN via COV/DMAS issued laptops when away from headquarters. The remaining 28% use a legacy Citrix environment that is being upgraded and will be decommissioned. The legacy Citrix environment has been upgraded to an Enterprise Application Publishing Service (EAPS) platform. This platform will allow for the publishing of core IT services needed remotely, as well as core DMAS IT applications. The EAPS platform is being designed to accommodate the entire Agency in the event of a COOP scenario. DMAS is in the process of completing its applications migration from Legacy Citrix to EAPS. · Windows 2003 Servers · DMAS has 9 Windows 2003 servers still in production. With Microsoft ending support of Windows 2003 servers July 2015, DMAS is actively working to retire or migrate to a supported platform. Impacted DMAS applications are Intranet, RightFAX, legacy Citrix, Oracle Environment, SAS production files and GoFileRoom. Each application environment is being address individually per upgrade/improvement in a manner to move it from its current
Windows 2003 platform. Faxing Services - Application Development · DMAS is planning the implementation of an Agency Enterprise Content Management System. Existing DMAS data will be migrated into the new CMS system. This effort will allow DMAS to reduce its redundant data footprint and allow indexing of the files stored. · DMAS is planning to automate the various manual approval workflow processes; this will greatly improve the efficiency of the tasks related to this within the agency. · DMAS is planning to adhere to a MVC framework for rapid application development and a framework for web services. Implement the industry standard version control, continuous integration solutions to aid the configuration management. · DMAS is planning to implement a Secure Managed File Transfer solution for the agency. · DMAS is planning to leverage the IBM SOA suite products (WODM, BPM, WTX and ESB) housed in VITA. · DMAS is planning to align the application development to comply with CMS Seven Standards and Conditions and MITA initiatives. · Oracle Financials Upgrade, to include Forms Migration and a project-driven effort to transform into COV Cardinal.
### Current IT Services

<table>
<thead>
<tr>
<th>Category</th>
<th>GF Year 1</th>
<th>NGF Year 1</th>
<th>GF Year 2</th>
<th>NGF Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>VITA Infrastructure Changes</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Specialized Infrastructure</td>
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<td>$0</td>
<td>$0</td>
<td>$0</td>
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<tr>
<td>Agency IT Staff</td>
<td>$1,151,541</td>
<td>$2,303,081</td>
<td>$1,209,118</td>
<td>$2,418,235</td>
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<tr>
<td>Non-agency IT Staff</td>
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<tr>
<td>Cloud Computing Service</td>
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<td>$0</td>
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<td>$0</td>
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<tr>
<td>Other Application Costs</td>
<td>$348,203</td>
<td>$1,686,312</td>
<td>$360,266</td>
<td>$1,722,500</td>
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<tr>
<td>Total</td>
<td>$12,280,583</td>
<td>$30,007,415</td>
<td>$11,372,481</td>
<td>$27,903,078</td>
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</table>

### Proposed IT Investments

<table>
<thead>
<tr>
<th>Category</th>
<th>GF Year 1</th>
<th>NGF Year 1</th>
<th>GF Year 2</th>
<th>NGF Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major IT Projects</td>
<td>$5,323,177</td>
<td>$41,369,488</td>
<td>$5,665,241</td>
<td>$44,127,488</td>
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<tr>
<td>Non-Major IT Projects</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
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<tr>
<td>Agency-Level IT Projects</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Major Stand Alone IT Procurements</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Non-Major Stand Alone IT Procurements</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Agency-Level Stand Alone IT Procurements</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Procurement Adjustment for Staffing</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Total</td>
<td>$5,323,177</td>
<td>$41,369,488</td>
<td>$5,665,241</td>
<td>$44,127,488</td>
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### Projected Total IT Budget

<table>
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<tr>
<th>Category</th>
<th>GF Year 1</th>
<th>NGF Year 1</th>
<th>GF Year 2</th>
<th>NGF Year 2</th>
<th>Total Costs</th>
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</thead>
<tbody>
<tr>
<td>Current IT Services</td>
<td>$12,280,583</td>
<td>$30,007,415</td>
<td>$11,372,481</td>
<td>$27,903,078</td>
<td>$81,563,558</td>
</tr>
<tr>
<td>Proposed IT Investments</td>
<td>$5,323,177</td>
<td>$41,369,488</td>
<td>$5,665,241</td>
<td>$44,127,488</td>
<td>$96,485,396</td>
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<tr>
<td>Total</td>
<td>$17,603,761</td>
<td>$71,376,903</td>
<td>$17,037,723</td>
<td>$72,030,566</td>
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<tr>
<td>BReT DMAS Overall Risk Program 2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------------------------------------------------------------</td>
<td>---</td>
<td></td>
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</tr>
<tr>
<td><strong>BRT Type:</strong></td>
<td>Business Requirement for Existing Technology</td>
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<tr>
<td><strong>Date Submitted:</strong></td>
<td>4/6/2017</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Mandate:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mission Critical:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Description:</strong></td>
<td>Completed Risk Management Plan for some applications in April 2016. Planning on procuring a third party to complete the rest of the application risk management plans from October 2016 through June 30, 2017</td>
<td></td>
<td></td>
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<table>
<thead>
<tr>
<th>BReT for MS Server 2003</th>
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<tbody>
<tr>
<td><strong>BRT Type:</strong></td>
<td>Business Requirement for Existing Technology</td>
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<tr>
<td><strong>Date Submitted:</strong></td>
<td>7/16/2015</td>
</tr>
<tr>
<td><strong>Mandate:</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Mission Critical:</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Description:</strong></td>
<td>The business requirement is that DMAS has to upgrade its 11 MS Server 2003 servers due to end-of-life support from Microsoft.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BReT for New Citrix [EAPS]</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BRT Type:</strong></td>
<td>Business Requirement for Existing Technology</td>
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<tr>
<td><strong>Date Submitted:</strong></td>
<td>8/10/2015</td>
</tr>
<tr>
<td><strong>Mandate:</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Mission Critical:</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Description:</strong></td>
<td>Upgrade of current/legacy Citrix platform to a new Citrix platform called EAPS. Enterprise Application Publishing Service.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BReT for Oracle 10.2 Upgrade</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BRT Type:</strong></td>
<td>Business Requirement for Existing Technology</td>
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<tr>
<td><strong>Date Submitted:</strong></td>
<td>7/23/2015</td>
</tr>
<tr>
<td><strong>Mandate:</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Mission Critical:</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Description:</strong></td>
<td>DMAS Oracle Instances are still in Oracle DB version 10.2 and need to be upgraded.</td>
</tr>
</tbody>
</table>
## BReT for SQL 2005 Upgrade

**BRT Type:** Business Requirement for Existing Technology  
**Date Submitted:** 7/16/2015  
**Mandate:** No  
**Mission Critical:** No  
**Description:**  
DMAS needs to upgrade its instances of SQL 2005 as it is at end-of-life support.

## BReT Smart Data

**BRT Type:** Business Requirement for Existing Technology  
**Date Submitted:** 10/1/2014  
**Mandate:** No  
**Mission Critical:** No  
**Description:**  
Move all DMAS/XEROX SAS functionality from current in-house servers to VITA-hosted solution. This investment supports the centralization of sensitive HIPPA data in a server based environment. It improves business process efficiencies, allowing multiple level users to access data. This is a change from DMAS's as is PC SAS which is inefficient and less secure. The move to server based environment will allow more timely and accurate data management reporting.

## BRnT for Business Process Improvement MFT

**BRT Type:** Business Requirement for New Technology  
**Date Submitted:** 9/8/2015  
**Mandate:** No  
**Mission Critical:** No  
**Description:**  
DMAS would like to automate its File Transfers to/from the Agency. Agency is exploring multiple solutions to determine which works best for the Agency. This will improve business processes.

## BRnT Medicaid Enterprise System (MES) Program

**BRT Type:** Business Requirement for New Technology  
**Date Submitted:** 8/17/2015  
**Mandate:** Yes  
**Mission Critical:** Yes  
**Description:**  
DMAS is replacing its existing Medicaid Management Information System (MMIS) and transforming to a Medicaid Enterprise System (MES). The MMIS is the mechanized claims processing and information retrieval system which states are required to
have by CMS (Centers for Medicare & Medicaid Services). The contract to operate Virginia’s MMIS (VAMMIS) ends June 30, 2018. This represents the end of the fourth and final option year that is expected to be exercised on top of the initial four year contract period, or a total of eight years. Virginia must begin the procurement process to replace VAMMIS and acquire a new system so it can continue to:

- Enroll recipients and providers
- Process claims
- Pay the providers, Managed Care Organizations (MCOs) and Administrative Services Organizations (ASOs) that deliver services to members.

CMS requires that the Single State Medicaid agency (DMAS) must operate a federally-certified system in order to qualify for federal financial participation for its Medicaid program. The current VAMMIS system must be replaced to ensure that Virginia will continue to receive the maximum federal funding for its Medicaid program. Virginia received approximately $4.5 billion in federal funding in SFY 2015.

The Medicaid Enterprise System Program (MES) program will address the business, information, and technical requirements needed to meet Agency needs and Medicaid Information Technology Architecture (MITA) objectives. MITA is an initiative of CMS to establish national guidelines for technologies and processes that improve program administration for the state Medicaid Enterprise System. During a recently completed MITA State Self-Assessment, DMAS reviewed its current systems and operations and began identifying what should be changed and adopted going forward.

While the direction will be further developed through RFP development, some key objectives have been identified for the new MES that include:

- Continue the development of the Eligibility & Enrollment (E&E) enhancement to address all existing members and to integrate with additional intrastate systems, such as the Commonwealth Authentication System (CAS)
- Develop a data warehouse that improves the breadth and quality of data available and provides the information needed to manage, operate, measure and improve the Medicaid Enterprise
- Transform the traditional Medicaid Management Information System (MMIS) to a modern Medicaid Enterprise System, including:
  - Pursuing a modular approach to specific business needs where cost-effective robust solutions can easily be integrated, possibly in areas such as claims processing, financial management and pharmacy benefits
  - Identifying ways to further automate and integrate business processes that were not traditionally part of an MMIS but are components of the MES, such as managing member and provider appeals and contractor management
  - Creating provider and member portals that support the ‘one stop shop’ objective and improve information access and service for all Medicaid related needs
  - Supporting exchanges with federal, State and other entities, including the Health Insurance Exchange (HIX) and Health Information Exchange (HIE)
  - Expanding the automation and decision making associated with business processes where feasible and cost-effective
- Establish a technical architecture that supports the CMS and DMAS vision for current and future services and performance, including items such as SOA architecture, an enhanced content management system that includes reports produced by our business partners, and supporting a variety of user-friendly methods to access information and services in an environment that is scalable, cost-effective, and easily changed and supports innovation and experimentation
- Enhance provider enrollment and management to address the multiple relationships providers have with DMAS and its business partners, such as managed care organizations (MCOs)
- Collect and integrate all fee-for-service claims in a single repository
- Address encounter processing in a manner that recognizes the variety of managed care models and programs, such as risk-based versus administrative services only (ASO)
- Collect clinical data for fee-for-service claims to better measure health outcomes and populate electronic health records (EHR)

- Adhere to the MITA seven standards and conditions.

The program is sponsored by CMS and DMAS’s Agency Director. MES stakeholders include the DMAS Executive Management Team.

The goal is to transition to a modern MES with no disruption in service.

DMAS management will provide the functional leadership for the procurements, and the program will be managed by the DMAS PMO.

<table>
<thead>
<tr>
<th>BRnT MES Data Warehouse</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BRT Type:</strong></td>
</tr>
<tr>
<td><strong>Date Submitted:</strong></td>
</tr>
<tr>
<td><strong>Mandate:</strong></td>
</tr>
<tr>
<td><strong>Mission Critical:</strong></td>
</tr>
<tr>
<td><strong>Description:</strong></td>
</tr>
</tbody>
</table>

The MES Data Warehouse RFP is required to replace and transform the system and services provided in the current MMIS contract. That contract expires in June, 2018. The specific requirement is to acquire a solution that is consistent with the MITA 3.0 Framework.

The RFP will present the requirements with the expectation that vendor solutions will integrate existing software components that require little or no development and where the development and implementation of business requirements is primarily configuration and testing. The business requirement is to create a single source of truth for a historical data storage.

<table>
<thead>
<tr>
<th>BRnT MES Encounter Processing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BRT Type:</strong></td>
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<tr>
<td><strong>Date Submitted:</strong></td>
</tr>
<tr>
<td><strong>Mandate:</strong></td>
</tr>
<tr>
<td><strong>Mission Critical:</strong></td>
</tr>
<tr>
<td><strong>Description:</strong></td>
</tr>
</tbody>
</table>

The MES Encounter Processing RFP is required to replace and transform the system and services provided in the current MMIS contract. That contract expires in June, 2018. The specific requirement is to acquire a solution that is consistent with the MITA 3.0 Framework and addresses the needs of several business areas:

- Business Relationship Management
- Operations Management
- Provider Management.

The RFP will present the requirements with the expectation that vendor solutions will integrate existing software components that require little or no development and where the development and implementation of business requirements is primarily configuration and testing.

<table>
<thead>
<tr>
<th>BRnT MES Fee for Service and Core Processing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BRT Type:</strong></td>
</tr>
</tbody>
</table>
### MES Fee-for-Service and Core Processing RFP

**Date Submitted:** 11/3/2015  
**Mandate:** Yes  
**Mission Critical:** Yes  
**Description:**  
The MES Fee-for-Service and Core Processing RFP is required to replace and transform the system and services provided in the current MMIS contract. That contract expires in June, 2018. The specific requirement is to acquire a solution that is consistent with the MITA 3.0 Framework and addresses the needs of several business areas:  
- Business Relationship Management  
- Care Management  
- Eligibility and Enrollment Management  
- Financial Management (limited)  
- Member Management  
- Operations Management  
- Performance Management  
- Plan Management  
- Provider Management.

The RFP will present the requirements with the expectation that vendor solutions will integrate existing software components that require little or no development and where the development and implementation of business requirements is primarily configuration and testing.

---

### BRnT MES Financial Management

**BRT Type:** Business Requirement for New Technology  
**Date Submitted:** 10/21/2015  
**Mandate:** Yes  
**Mission Critical:** Yes  
**Description:**  
The MES Financial Management RFP is required to replace and transform the system and services provided in the current MMIS contract. That contract expires in June, 2018. The specific requirement is to acquire a solution that is consistent with the MITA 3.0 Framework and addresses the needs of several business categories:  
- Accounts Receivable Management  
- Accounts Payable Management  
- Fiscal Management  
- Payment and Reporting (limited)

The RFP will present the requirements with the expectation that vendor solutions will integrate existing software components that require little or no development and where the development and implementation of business requirements is primarily configuration and testing.

---

### BRnT MES Integration

**BRT Type:** Business Requirement for New Technology  
**Date Submitted:** 9/2/2015  
**Mandate:** Yes  
**Mission Critical:** Yes  
**Description:**  
The MES Integration RFP is required to replace and transform the system and services provided in the
current MMIS contract. That contract expires in June, 2018. The specific requirement is to acquire a solution that is consistent with the MITA 3.0 Framework.

The RFP will present the requirements with the expectation that vendor solutions will integrate existing software components that require little or no development and where the development and implementation of business requirements is primarily configuration and testing. The business requirement is to integrate the components of the MES solution.

---

**BRnT MES Pharmacy Benefit Management**

**BRT Type:** Business Requirement for New Technology  
**Date Submitted:** 10/21/2015  
**Mandate:** Yes  
**Mission Critical:** Yes

**Description:**

The MES Pharmacy Benefit Management RFP is required to replace and transform the system and services provided in the current MMIS contract. That contract expires in June, 2018. The specific requirement is to acquire a solution that is consistent with the MITA 3.0 Framework and addresses the needs of several business areas:

- Business Relationship Management
- Care Management
- Eligibility and Enrollment Management
- Financial Management (limited)
- Member Management
- Operations Management
- Performance Management
- Plan Management
- Provider Management.

The RFP will present the requirements with the expectation that vendor solutions will integrate existing software components that require little or no development and where the development and implementation of business requirements is primarily configuration and testing.

---

**DMAS IT Infrastructure Transition**

**BRT Type:** Business Requirement for Existing Technology  
**Date Submitted:** 9/29/2016  
**Mandate:** No  
**Mission Critical:** Description:

The Commonwealth is transitioning to a multi-supplier model for IT Infrastructure. This BRT outlines the infrastructure an agency will need to plan and test in support of the transition.

**Messaging BReT:**

VITA is initiating disentanglement from NG messaging services in 2016. Messaging Services for email, enterprise collaboration services, and mobile device management are required for roughly 800 mailboxes. We also have roughly 20 applications that have hooks into messaging services which will need to be tested. Furthermore, DMAS uses the full security functionality of the current messaging platform to include DLP [data lose prevention], direct TLS with providers, CRES [cisco registered envelope service], HMA [hosted mail archive] and IM/A [instant messaging with archive]. DMAS will need to ensure that all functions work properly on the new VITA platform.

**Workplace Collaboration Services (VITA provided SharePoint):** DMAS is a full user of WCS as the entire Agency uses SharePoint. DMAS will need to migrate its current SharePoint to the new VITA service offering. DMAS has roughly 40 DMASers using the current AirWatch which will need remediation.
Server/storage (including housing of equipment) BReT:
VITA is initiating disentanglement from NG servers and storage. DMAS has roughly 85 servers which will need to be migrated and tested during this transition. More than 100 DMAS applications will be affected by this move and will need to be tested.

Authentication/directory services BReT:
DMAS has more than 100 applications which will need to be migrated and tested during the authentication/directory services transition. By practice, DMAS credentials external users who need to access DMAS COV applications with COV credentials and thus are treated as internal users. Roughly 800 users are internal.

End user computing BReT:
DMAS has roughly 575 desktop computing systems that will need to be migrated. DMAS is on a managed print
Medicaid Enterprise System (MES) Program

Appropriation Act/Funding Status

DMAS is replacing its existing Medicaid Management Information System (MMIS) and transforming to a Medicaid Enterprise System (MES).

The MMIS is the mechanized claims processing and information retrieval system which states are required to have by CMS (Centers for Medicare & Medicaid Services). The contract to operate Virginia’s MMIS (VAMMIS) ends June 30, 2018. This represents the end of the fourth and final option year that is expected to be exercised on top of the initial four year contract period, or a total of eight years. Virginia must begin the procurement process to replace VAMMIS and acquire a new system so it can continue to:

- Enroll recipients and providers
- Process claims
- Pay the providers, Managed Care Organizations (MCOs) and Administrative Services Organizations (ASOs) that deliver services to members.

CMS requires that the Single State Medicaid agency (DMAS) must operate a federally-certified system in order to qualify for federal financial participation for its Medicaid program. The current VAMMIS system must be replaced to ensure that Virginia will continue to receive the maximum federal funding for its Medicaid program. Virginia received approximately $4.5 billion in federal funding in SFY 2015.

The Medicaid Enterprise System Program (MES) program will address the business, information, and technical requirements needed to meet Agency needs and Medicaid Information Technology Architecture (MITA) objectives. MITA is an initiative of CMS to establish national guidelines for technologies and processes that improve program administration for the state Medicaid Enterprise System. During a recently completed MITA State Self-Assessment, DMAS reviewed its current systems and operations and began identifying what should be changed and adopted going forward.

While the direction will be further developed through RFP development, some key objectives have been identified for the new MES that include:

- Continue the development of the Eligibility & Enrollment (E&E) enhancement to address all existing members and to integrate with additional intrastate systems, such as the Commonwealth Authentication System (CAS)
- Develop a data warehouse that improves the breadth and quality of data available and provides the information needed to manage, operate, measure and improve the Medicaid Enterprise
- Transform the traditional Medicaid Management Information System (MMIS) to a modern Medicaid Enterprise System, including:
  - Pursuing a modular approach to specific business needs where cost-effective robust solutions can easily be integrated, possibly in areas such as claims processing, financial management and pharmacy benefits
  - Identifying ways to further automate and integrate business processes that were not traditionally part of an MMIS but are components of the MES, such as managing member and provider appeals and contractor management
  - Creating provider and member portals that support the ‘one stop shop’ objective and improve information access and service for all Medicaid related needs
  - Supporting exchanges with federal, State and other entities, including the Health Insurance Exchange
(HIX) and Health Information Exchange (HIE)

- Expanding the automation and decision making associated with business processes where feasible and cost-effective
  - Establish a technical architecture that supports the CMS and DMAS vision for current and future services and performance, including items such as SOA architecture, an enhanced content management system that includes reports produced by our business partners, and supporting a variety of user-friendly methods to access information and services in an environment that is scalable, cost-effective, and easily changed and supports innovation and experimentation
  - Enhance provider enrollment and management to address the multiple relationships providers have with DMAS and its business partners, such as managed care organizations (MCOs)
  - Collect and integrate all fee-for-service claims in a single repository
  - Address encounter processing in a manner that recognizes the variety of managed care models and programs, such as risk-based versus administrative services only (ASO)
  - Collect clinical data for fee-for-service claims to better measure health outcomes and populate electronic health records (EHR)
  - Adhere to the MITA seven standards and conditions.

The program is sponsored by CMS and DMAS’s Agency Director. MES stakeholders include the DMAS Executive Management Team.

The goal is to transition to a modern MES with no disruption in service.

DMAS management will provide the functional leadership for the procurements, and the program will be managed by the DMAS PMO.

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## Project Related Procurements

### MES RFP Assistance Procurement

**Procurement Description:** The contractor will provide experienced resources to assist in the development, tracking and validation of requirements for the RFP procurement project.

The tasks include:

- Provide Business Architect Analyst (BAA) support to assist in joint application requirements sessions that are MITA 3.0 knowledgeable, CMS 7 Standards and Conditions knowledgeable, Medicaid and MMIS knowledgeable, and MITA Business Processes knowledgeable.
- BAA should be able to conduct joint application requirements sessions with multiple business units. The BAA is responsible to capture all requirements as well as to include additional industry requirements. After BAA requirements validation, Final requirements will be approved by the PMO.
- Risk Assessment report on requirements
- Supplier will provide an Online Requirements Tracking Tool that allows for weekly reporting and downloads. Tool should be able to provide traceability to MTIA business processes or unique business processes. The tool should be capable of tracing to CMS' MITA Enterprise Certification Toolkit (MECT) checklist.
- BAA will compile final requirements, validate against business processes, and present final work product.
- BAA will be required to provide content for overview of various business areas of the RFP.
- BAA can be assigned up to 2 RFP tracks.
- Conduct an evaluation of the draft RFPs. Make recommendations for the drafts.

The expected duration of the assignment is 5 months.

**Planned Delivery Date:** 12/1/2015

### MES Program Enterprise Architect Procurement

**Procurement Description:** DMAS Information Management has an immediate need for an Enterprise Architect. IM would like to procure the services of Rajan Gopalakrishnan.

**Roles and Responsibilities include:**

**Enterprise Architect Roles and Responsibilities:**

- Extensive knowledge of HIPAA X12, NCPDP D.0, ICD 10, MITA 3.0, SOA technologies, web services, JAVA, RDBMS, Work flow products, Share point, HL7, Legacy programming.
- Extensive Knowledge of IBM Enterprise Service Bus, WTX, MQ.
- Extensive Knowledge of Medicaid Encounter processing.
- Extensive Knowledge in the Medicaid business processes.
- Extensive knowledge on integration of heterogeneous systems.
- Developing/Deploying service enabled logic to Websphere ESB.
- Developing aggregate web services, mediations to provide real time transactions.
- Employing ESB capabilities appropriately from service discovery and availability.
- Thorough knowledge of both standard and agile SDLC methodologies.
- Knowledge of emerging development tools and integration architecture and use of these tools in a distributed environment.
- Demonstrated ability to design, develop and test solutions for complex solutions while meeting user and agency needs.
- Demonstrated ability to work independently and to effectively communicate with all levels of an organization (peers, subordinates and superiors), external agencies, CMS, VITA and vendors

**Period of Performance:** Anticipated period of performance is from 2/1/16 begin
MMIS Services Procurement

Procurement Description: Services are needed to augment the DMAS team to develop 5 RFPs and one statement of work. A contractor will be used to develop the RFPs, provide architecture input to concept of operations, a security architect will provide input to the security plan, and resources will be used to assist in assessing the supplier responses.

Planned Delivery Date: 7/1/2018

MES Program IV&V Services Procurement

Procurement Description: Procure IV&V services for the MES Program and all of the qualifying component projects, to be conducted throughout the MES Program lifecycle, designed to satisfy the IV&V requirements of both the Commonwealth IT Project Management Standards, and the Federal CMS requirements. This competitive procurement qualifies for CMS 90/10 funding.

Planned Delivery Date: 6/30/2016

MES Test Support Tool Procurement

Procurement Description: DMAS needs to obtain the IBM Rational (DOORs) products for requirement and testing needs for the MES Program. The COTS product will be installed and configured on a server without any product customization. Note that there is an exception request that has been approved for cloud hosting. The CIO approval letter and DMAS response is uploaded. Also, DMAS plans to purchase this software off of an existing state contract.

Planned Delivery Date: 9/30/2016

MES Workflow Automation Procurement

Procurement Description: DMAS needs to obtain a workflow automation tool to use in conjunction with SharePoint (or SharePoint substitute) to automate internal workflows as well as the future interoperability with MES contractor workflows.

Planned Delivery Date: 11/30/2016

MES Data Warehouse

The data warehouse solution will provide the DMAS Agency with the ability to accomplish improved business operations through data integration, creation of data quality standards, data and business process documentation, creation of a repeatable framework, and increased security.

The Enterprise Data Warehouse Solution (EDWS) provides the functionalities listed below, but not limited to:

- Data Standardization
- Interoperability and integration
- Secure Data Exchange
- Promote industry best practices
- Efficient and effective data sharing
- Support integration of clinical and administrative data
- Promote seamless information flow between systems without barriers such as source of program sponsorship, geography, etc.

Project Approach: The goal of DMAS in this procurement is to select an EDWS that serves as a central repository for all of DMAS’s relevant data that will enable timely, accurate and consistent information and ultimately, empower the decision makers to make the most informed decisions possible. DMAS’s goal is to implement an EDWS that complies with the Seven Conditions and Standards, as mandated by CMS, in order to provide timely data to help improve the delivery of Medicaid services. The use of the EDWS to
Provide integrated Medicaid-related program data will provide the State's Medicaid Program with an enhanced ability to gain insights into outcomes and anticipate future needs. Ultimately, the EDWS is expected to facilitate users in answering vital questions relating to the Medicaid program.

The DMAS EDWS project will require multiple phases, each releasing new capabilities, including improved data quality and analytical competences. The EDWS will be built using a multi phase approach.

Phase 1: Build data management foundation and convert historical data
Phase 2: Establish extract and load process for NEW SYSTEMS
Phase 3: Advanced and Improved Data Sharing

Specific solution: Through this procurement process DMAS has identified the Optum Triple Aim Analytic Services (OTAAS) solution provided by the vendor Optum. OTAAS is an integrated commercial off the shelf (COTS)-based health care data warehouse and innovative analytic platform. It provides analytics already being used by government and commercial payers in order to achieve their Triple Aim goals targeting better care, better health and lower cost. With OTAAS, DMAS can fulfill all the objectives of the EDWS and support the MES goals. OTAAS combines a centralized enterprise data warehouse with integrated analytics and reporting capabilities that serve business imperatives across state programs. The solution is aligned to all three MITA Framework architectures: Business; Information; and Technical. The architectural design is based on best practices such as the use of open standards and COTS. Each of the individual components of our OTAAS solution for the EDWS, whether they are hardware, application, or network-related, is architected and integrated using a HIPAA-compliant security framework and business-hardened, fault-tolerant redundancy.

Customer: DMAS Data Analytics Directorate, Finance & Policy, Program Integrity and Operations, Contract Management (Managed Care) and other departments within the agency.

Benefits: The data warehouse solution will provide the DMAS Agency with the ability to accomplish improved business operations through data integration, creation of data quality standards, data and business process documentation, creation of a repeatable framework, and increased security.

Planned project start date: 7/1/2016 Planned project end date: 9/30/2018
PPEA Involvement: No

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Service Area Weight
There are no service areas for this project.
### Project Related Procurements

**MES Data Warehouse Procurement**

**Procurement Description:** Procure Data Warehouse services and tools as a component of the MES Program.

**Planned Delivery Date:** 7/1/2016

**MES Program Staffing Procurement**

**Procurement Description:** Information Management has an immediate need to procure the services for two Project Managers (PM Level III) to support the (a) Medicaid Enterprise Services (MES) Enterprise Data Warehouse (EDWS) Project and the (b) MES Integration Solution Services (ISS) Project.

**Planned Delivery Date:** 8/12/2016

### MES Encounter Processing

**Appropriation Act/Funding Status**

This is a component project within the DMAS MES Program. The objective is to develop an in-house DMAS solution for processing encounters from managed care and administrative services contractors. The system will give DMAS more control over the processing approach and schedule for encounters, and will segregate that processing from the fee-for-service claims system.

The EPS will leverage the technical environment already in place, including the DMAS EDI Gateway that was implemented in December, 2015. The EDI Gateway will be used to collect encounters using HIPAA standard formats, and enforce compliance edits. The EDI Gateway will pass encounters to the EPS for further validation. The EPS project includes creating the needed environments, i.e. hardware and software, to develop, test, and operate the encounter processing solution.

The EPS will validate and process encounters. Encounter processing status and results will be captured and made available to submitters and business owners. Encounters will be loaded to the Enterprise Data Warehouse Solution (EDWS) and available for analysis and reporting.

The EPS will be developed, operated and maintained by DMAS using its existing internal development staff and an operations support staff to be created. It will support all current and future DMAS programs that require encounter processing, including:

- Medallion 3.0
- Non-Emergency Transportation
- Behavioral Health
- Dental
- Consumer Directed services
- Managed Care for Duals (CCC, MLTSS)

The EPS will incorporate a Business Rules Engine (IBM Operational Decision Manager (ODM)) to support a configurable approach to defining edits, which will make future changes more efficient (quicker and less expensive). By hosting and maintaining the EPS, DMAS will significantly reduce the cost of operating the EPS in the years to come, as well as avoid the need to reprocure the EPS in the future.

**Planned project start date:** 8/17/2016  
**Planned project end date:** 9/30/2018

**PPEA Involvement:** No

**Estimated Costs:**

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Service Area

There are no service areas for this project.

Project Related Procurements

MES Encounter Processing Procurement

Procurement Description: Procure Managed Care Processing services and tools as a component of the MES Program.

* * * Note: As of 2/2/16, DMAS is NOT planning on conducting a procurement for Encounter Processing; rather, that functionality will either be developed in-house, or it may be incorporated into a vendor solution offering. * * *

Planned Delivery Date: 7/1/2016

MES Financial Management

Appropriation Act/Funding Status

This is a component project within the DMAS MES Program. The MES Financial Management RFP addresses many of the financial business requirements that will comprise the MES solution, as mandated by CMS through the MITA 3.0 Framework. The project will deliver:

- Accounts Receivable Management
- Accounts Payable Management
- Fiscal Management
- Payment and Reporting (limited)

The DMAS MES FMS project management team will facilitate the transition from the current IT environment, which consists of VAMMIS financial transaction processes, Oracle Financials, and other internal systems. The future Financial Management System will be a contractor-provided COTS or SaaS solution that aligns with the MITA 3.0 Framework, the CMS Seven Conditions and Standards. DMAS recognizes that the MITA Seven Conditions and Standards must be adhered to in order to be eligible for enhanced match funding. The CMS MITA Seven Standards and Conditions include system modularity, MITA maturity, HIPAA, accurate and timely processing, program evaluation and continuous improvement, enable interoperability with health care information systems, and leverage/reuse processes, systems, and other resources with other states as needed. CMS also requires the FMS to be certifiable according to the CMS Medicaid Enterprise Certification Toolkit (MECT) checklists and the Independent Verification and Validation (IV&V) assessments conducted by Ernst & Young throughout DDI, which is targeted for mid-year 2018.

Where possible, the FMS Solution will leverage existing technologies, such as the DMAS EDI investment. The FMS will successfully connect to other MES modules, such as ISS and EDWS. Additionally, the FMS solution will successfully connect to critical systems, such as Cardinal, the statewide accounting system. The new FMS must incorporate modularity standards to enable it to successfully adapt to changes in technology and infrastructure. The FMS will be available 24/7/365 and will maintain the highest levels of data security, as stated in VITA and MITA 3.0 standards. The new FMS will support Financial Accounting and Reporting functions, General Ledger functions, and the following MITA 3.0 Framework business processes:

1. FM01: Manage Provider Recoupment
2. FM02: Manage TPL Recovery
3. FM03: Manage Estate Recovery
4. FM06: Manage Accounts Receivable Information
5. FM07: Manage Accounts Receivable Funds
6. FM09: Manage Contractor Payment
The new FMS solution will benefit stakeholders and users by providing secure and reliable data with accurate and timely results. The deficiencies in the existing financial environment will be addressed with the efficient and technologically advanced COTS or SaaS. The improved efficiencies in the financial processes will contribute to improved Medicaid program administration and tracking/reporting.

Planned project start date: 7/1/2016  Planned project end date: 9/30/2018

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Service Area Weight

There are no service areas for this project.

**Project Related Procurements**

**MES Financial Management Procurement**

Procurement Description: Procure system and professional services and tools as a component of the MES Program that address business processes in the following business categories:

- Accounts Receivable Management
- Accounts Payable Management
- Fiscal Management
- Payment and Reporting (limited)

Planned Delivery Date: 7/1/2016

**MES Integration**
This is a component project within the DMAS MES Program. The purpose of the ISS project is to contract with a contractor who will provide a solution that will provision a self-contained, SOA-based communication broker, which provides several functionalities that are listed below, but not limited to:

Ø Communication Services
Ø Document Transfer Services
Ø Document Management Services
Ø Information Exchange Services
Ø File Transfer Services
Ø Data Transfer Services
Ø Information Viewing Services

The solution will serve as a hub to integrate various modules that will be implemented under each of the projects listed below. In addition the ISS project will provision a Single Sign On (SSO) and Identity Management solution for the Agency. Finally the integrator will provide and manage master integration plan and configuration/change management support for the MES program.

Ø Core Services Solution (CSS)
Ø Enterprise Data Warehouse Solution (EDWS)
Ø Financial Management Solution (FMS)
Ø Pharmacy Benefit Management Solution (PBMS)

Planned project start date: 7/1/2016
Planned project end date: 9/30/2018
PPEA Involvement: No

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<td>$3,118,500</td>
<td>Non-general - Federal</td>
</tr>
<tr>
<td>Estimated project expenditures second year of biennium:</td>
<td>$3,350,000</td>
<td>$335,000</td>
<td>$3,015,000</td>
<td>Non-general - Federal</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Funding Required:</th>
<th>Total</th>
<th>General</th>
<th>Nongeneral</th>
<th>Nongeneral Funding Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding required for first year of biennium:</td>
<td>$3,465,000</td>
<td>$346,500</td>
<td>$3,118,500</td>
<td>Non-general - Federal</td>
</tr>
<tr>
<td>Funding required for second year of biennium:</td>
<td>$3,350,000</td>
<td>$335,000</td>
<td>$3,015,000</td>
<td>Non-general - Federal</td>
</tr>
</tbody>
</table>

Service Area Weight
There are no service areas for this project.

Project Related Procurements
MES Integration Procurement
Procurement Description: Procure integration services and tools to incorporate and implement all of the components of the MES Program.
The role of an Integration Service Vendor (Integrator) in a Medicaid Enterprise system is to provide secure data exchange between the application modules within an agreed upon SLA using canonical data format, standards and protocols. The Integrator will develop SOA based services based on the design principles as prescribed by MITA (e.g. Standardized Contract, Loose Coupling, Abstraction, Reusability, Autonomy, Statelessness, Discoverability and Composability).

<table>
<thead>
<tr>
<th>Planned Delivery Date:</th>
<th>7/1/2016</th>
</tr>
</thead>
</table>

**MES Program Staffing Procurement**

**Procurement Description:** Information Management has an immediate need to procure the services for two Project Managers (PM Level III) to support the (a) Medicaid Enterprise Services (MES) Enterprise Data Warehouse (EDWS) Project and the (b) MES Integration Solution Services (ISS) Project.

<table>
<thead>
<tr>
<th>Planned Delivery Date:</th>
<th>8/12/2016</th>
</tr>
</thead>
</table>

**MES Workflow Automation Procurement**

**Procurement Description:** DMAS needs to obtain a workflow automation tool to use in conjunction with SharePoint (or SharePoint substitute) to automate internal workflows as well as the future interoperability with MES contractor workflows.

<table>
<thead>
<tr>
<th>Planned Delivery Date:</th>
<th>11/30/2016</th>
</tr>
</thead>
</table>

**MES Pharmacy Benefit Management**

<table>
<thead>
<tr>
<th>Appropriation Act/Funding Status</th>
<th>Project Initiation Approval - Fully Funded GF/NGF 100%</th>
</tr>
</thead>
</table>

The MES Pharmacy Benefit Management Solution is required to replace and transform the system and services provided in the current MMIS contract. That contract expires in June, 2018. The specific requirement is to acquire a solution that is consistent with the MITA 3.0 Framework and addresses the needs of several business areas:

- Business Relationship Management
- Care Management
- Eligibility and Enrollment Management
- Financial Management (limited)
- Member Management
- Operations Management
- Performance Management
- Plan Management
- Provider Management.

The vendor solution will integrate existing software components that require little or no development and where the development and implementation of business requirements is primarily configuration and testing. The selected vendor will provide an implementation team to stand up the PBMS under the direction of the DMAS PBMS project team (PM is Greg Lewis). The winning vendor will also operate and maintain the PBMS for five years, with three additional optional years.

The project will be conducted in two phases. Phase 1 will implement PBMS, covering all deliverables previously mentioned, and pharmacy customers will conduct transactions directly with the vendor PBMS. Phase two will incorporate PBMS into the DMAS MES Solution, where PBMS transactions and reports will be sent through the DMAS Enterprise Service Bus, administered by the MES Integrator.

<table>
<thead>
<tr>
<th>Planned project start date:</th>
<th>12/15/2016</th>
<th>Planned project end date:</th>
<th>3/1/2018</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>PPEA Involvement:</th>
<th>No</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Estimated Costs:</th>
<th>Total</th>
<th>General Fund</th>
<th>Nongeneral Fund</th>
<th>Nongeneral</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding Source</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>----------------</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Project Cost (estimate at completion): $5,996,901</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Estimated project expenditures first year of biennium: $4,359,407 $1,089,852 $3,269,555</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Estimated project expenditures second year of biennium: $4,323,123 $1,080,781 $3,242,342</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Service Area</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>There are no service areas for this project.</td>
<td></td>
</tr>
</tbody>
</table>

**Project Related Procurements**

**MES Pharmacy Benefit Management Procurement**

<table>
<thead>
<tr>
<th>Procurement Description:</th>
<th>Procure Pharmacy Benefit Management services and tools as a component of the MES Program.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planned Delivery Date:</td>
<td>7/1/2016</td>
</tr>
</tbody>
</table>
There are no stand alone major procurements for this agency.