



## COMMONWEALTH of VIRGINIA

### DEPARTMENT OF MEDICAL ASSISTANCE SERVICES

600 East Broad Street, Suite 1300

Richmond, VA 23219

August 1, 2016

#### ADDENDUM No. 7 TO VENDORS:

Reference Request for Proposal: RFP 2016-05, Enterprise Data Warehouse Solution

Dated: June 15, 2016

Proposal Due Date: August 19, 2016

Below are updates that may delete, add, modify or clarify certain aspects of the aforementioned RFP. Please incorporate as necessary.

#### 1. Adjustment to proposal due date

DMAS has changed the due date for receipt of proposals. As referenced throughout the RFP, please update the date as follows:

Proposal Due Date: **August 19, 2016, 10:00 A.M. ET**

**See Attachment 1 (below) for additional questions posed by Offerors and the Department of Medical Assistance Services (DMAS) responses.**

Please note some questions may take additional time to generate an adequate response. If you do not see a response to a question you have submitted, please monitor the DMAS and eVA website for future addendums.

A signed acknowledgment of this addendum must be received by this office, either prior to the proposal due date and hour required or attached to your proposal response. Signature on this addendum does not substitute for your signature on the original proposal document. The original proposal document must be signed.

Sincerely,



**Christopher M. Banaszak**  
DMAS Contract Manager

**Name of Firm:** \_\_\_\_\_

**Signature and Title:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Attachment 1**  
**RFP 2016-05, Addendum 7**  
**Offerors Questions and DMAS Responses**

<b>RFP</b>	<b>Question #</b>	<b>RFP Cite</b>	<b>Offeror Question</b>	<b>DMAS Response</b>
EDWS	17	EDWS-RPT-002	Does the Commonwealth require or prefer a solution that has been previously certified by CMS?	The Commonwealth prefers a CMS certified solution but does not require a solution that has been previously certified by CMS.

**Attachment 1**  
**RFP 2016-05, Addendum 7**  
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RFP	Question #	RFP Cite	Offeror Question	DMAS Response
EDWS	18	3.a.7.2	<p>Will the use of services detailed in VITA contact VA-120416-CYDA and the "VITA IT service rates Fiscal 2017" document be available for a VITA co-location hosting arrangement?</p> <p>i.e. Vulnerability scanning, intrusion detection, ITSM, etc</p>	<p>Services detailed in a VITA/Stateside solution include:</p> <ul style="list-style-type: none"> <li>• VITA will establish and manage the data center including the facility, power and cooling need</li> <li>• VITA will stand up the HW, OS, prewire the LAN and firewall as related to the solution for all the application environments including DR</li> <li>• VITA will provide OS patching and monitor for performance and application security for all environments</li> <li>• VITA will provide all infrastructure components needed to support the hosted application, network connectivity, desktop client/applications install and DR at the associated Commonwealth costs for services to DMAS.</li> <li>• Will Install and configure software application on the VITA racked up hardware for all the applicable environments including DR</li> <li>• Vendor will provide project management services and associated SMEs to facilitate and assist with the stand-up of the VITA hosted infrastructure to support the vendor solution.</li> </ul>

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EDWS	19	3.a.2.2	How will the EDWS contractor be able select a testing tool that integrates with the other contractor's tools without knowledge of those tools?	Each Contractor should propose their chosen tool(s) and explain how the tool(s) will meet the requirement. Integration refers to the ability to receive, process, and exchange data throughout the test environments.
EDWS	20	3.a.7.2	Can we assume that there is an existing backup and recovery structure in place at VITA Chesterfield that can be used for the EDW Servers backups as well?	No, for a Vendor hosted solution VITA backup is not an option. For a Solution hosted at VITA, VITA has an in-house backup and recovery structure to include DR services at a secondary data center.
EDWS	21	3.a.7.2	If DC is at VITA in Chesterfield, does the State have a DR datacenter of choice?	VITA has a backup DC in Southwest VA.
EDWS	22	APPENDIX J.3 EDWS-TEST-041, page 175	For security testing and secure code review, are there any existing tools that can be leveraged such as HP Fortify, HP Webinspect, IBM Appscan etc.	No.

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EDWS	23	3.B.6.8. scalability page 92	As per section 3.b.5.2, the initial capacity requirement is 100TB and the platform will be scalable to support growing data needs to 300TB in the next ten years. As per 3.b.6.8, the expected growth in volume for DMAS data in the next five years is approximately 50 TB. Can you provide insight into the actual data volume, as choice of tools is dependent on data volume?	<p>Our current volume of data is 10 TB. Based on our projections of the new initiatives that may start at DMAS in the near future, we believe that it may grow exponentially to 50 TB.</p> <p>DMAS requires that the initial configuration of the EDWS to be ready to expand to 100 TB at very short notice. The system should also be designed in such a way that it can be scalable up to 300 TB with minimum hardware procurement in next 5 years. It is anticipated that any incremental expansion event will not be more than 50TB.</p> <p>These numbers are also assessed based on the performance throughput that DMAS requires. Alternative suggestions will be entertained as long as it will not compromise the performance of the solution.</p>

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EDWS	24	3.B.6.4 MULTIDIMENSIONALITY page 91	Has the state evaluated any multi-dimensional platform in conjunction to the EDW. EDW architecture diagrams on page 73 and 74 don't highlight use of multidimensional package.	DMAS requires an environment which can be accessed by technical and business professionals with equal ease that entails minimum coding. This includes data integration, data quality assessment and data usage. The environment should have user friendly interfaces that can be easily navigated by resources with cross-functional skillsets rather than resources with specialized IT skillset. In addition, since DMAS is using SAS Analytics platform, DMAS believes that transitioning SAS users to SQL will be much easier than No-SQL technologies like map-reduce. This requirement is to support adaptability across the existing resources in the organization. DMAS is open to other suggestions as long as that does not comprise the objective.

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EDWS	25	3.B.6.8.SCALABILITY page 82	Current storage is 100 TB and in ten years it will grow to 300 TB. However growth projection in 5 years is 50TB. Is the growth exponential kindly clarify?	<p>Our current volume of data is 10 TB. Based on our projections of the new initiatives that may start at DMAS in the near future, we believe that it may grow exponentially to 50 TB.</p> <p>DMAS requires that the initial configuration of the EDWS to be ready to expand to 100 TB at very short notice. The system should also be designed in such a way that it can be scalable up to 300 TB with minimum hardware procurement in next 5 years. It is anticipated that any incremental expansion event will not be more than 50TB.</p> <p>These numbers are also assessed based on the performance throughput that DMAS requires. Alternative suggestions will be entertained as long as it will not compromise the performance of the solution.</p>
EDWS	26	3.B.6.6. DISASTER RECOVERY page 81	Please give details of recent DR Drills performed by VITA?	VITA conducts an annual state-wide DR drill via testing the DR services housed at the Southwest VA datacenter. If a VITA hosted solution is selected, Contractor must participate in state-wide DR exercises.

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EDWS	27	3.B.6.6. DISASTER RECOVERY page 81	2 Options asked. Preferred option is with VITA. DR site to be within 100 miles and RTO and RPO is 2 hours and 10 minutes respectively. Is distance of 100 miles a constraint?	Offeror must comply with VITA standards (see requirement EDWS-NFR-DR-028). The 100 mile requirement refers to a distance greater than 100 miles between the data centers.
EDWS	28	3.B.6.5. BACKUP, RECOVERY, AND ARCHIVE page 81	Please clarify what is the Storage requirements for Backup and Archive for 10 years Data and 3 years of Archive? Also rough order of magnitude with growth expectation of 300 TB from current 100 TB in 10 year	<p>Our current volume of data is 10 TB. Based on our projections of the new initiatives that may start at DMAS in the near future, we believe that it may grow exponentially to 50 TB.</p> <p>DMAS requires that the initial configuration of the EDWS to be ready to expand to 100 TB at very short notice. The system should also be designed in such a way that it can be scalable up to 300 TB with minimum hardware procurement in next 5 years. It is anticipated that the incremental expansion at any point of time will be no more than 50TB.</p> <p>These numbers are also assessed based on the performance throughput that DMAS is requesting. Alternative suggestions will be entertained as long as it does not compromise the performance of the solution.</p>

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EDWS	29	3.B.4.2 REPORTING REQUIREMENTS page 70/71	The document refers to other reporting tools, apart from SAS & Tableau. Please explain if there are any other BI Visualization tools (Spotfire, Qlikview, MicroStrategy etc.) Available/interested in?	The Contractor can choose to recommend an alternative BI Solution. If an alternative is recommended, the Contractor shall describe the benefits of using the contractors alternatively proposed Solution and describe how they will transition DMAS to the new Solution.
EDWS	30	3.B.4.1 BUSINESS INTELLIGENCE (BI) TOOLS page 70	At a high level how many number of BI reports and dashboards need to be developed for all the business processes / Ad-hoc reports / statutory reports etc.	Please refer "Appendix K: CMS Required Reports ". Approximately 200 additional reports will be required during implementation to support the business.
EDWS	31	3.B.5.2.A HARDWARE REQUIREMENTS page 65	Please provide us source system wise volume of data with frequency information that contributes to 50TB.	Our current volume of data is 10 TB. Based on our projections of the new initiatives at DMAS in the near future, we believe that it may grow exponentially to 50 TB. Please refer to vendor reference library for additional detail.
EDWS	32	3.B.5.2 page 65. HARDWARE REQUIREMENT	Kindly inform if the contractor will need to integrate its monitoring with VITA's Service Desk Tool/ITSM tool in case of Option 2.	This depends on the solution. DMAS is open to vendor recommendation on whether integration with VITA is viable. DMAS prefers that any relationship with VITA be managed by vendor independent of DMAS.

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EDWS	33	3.B STATEMENT OF WORK page 48	Can you list approx. no of UI templates to be developed with use cases across CSS/FMS/PBMS applications. Also share complexity breakup of these pages (simple / medium / complex UI pages) in % terms.	Due to the existing monolithic nature of the VAMMIS Solution, exact listings for the new modular solution are not known at this time.
EDWS	34	3.A.11 conversion page 47	Has the state performed any data quality assessment? What is the general confidence on Data Quality?	Currently, the state performs limited, manual evaluations of data quality. There are some internal edits and quality checks implemented in the current MMIS system. DMAS identifies that there is an opportunity to implement advanced tools for more effective data quality assessment.
EDWS	35	3.A.10 ENTERPRISE DATA WAREHOUSE SOLUTION page 46	Data Model is critical for EDW function. Does the state have a well-defined data governance function which takes care of data standards and definitions and custodian of conceptual data models?	DMAS has an established Data Governance process.

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EDWS	36	3.B.1.2. PHASE 2 (RELEASE 3/4/5/6): ESTABLISH ETL PROCESS FOR NEWLY IMPLEMENTED SYSTEMS page 42	<p>With regard to the requirement on Encounter processing, and in reference to the below statement: "Detail encounter data will be brought into the warehouse to make the process transparent to the encounter team. The goal is to provide capabilities to query data generated throughout the life cycle of the process. Also, there is a need for Dashboards: to cater to strategic needs of management and Detailed reports: to support ongoing operations and handle errors "</p> <p>1. We deduce that the EDWS will be conduit for acquiring the encounter claims through its stages from MCOs and other stakeholder systems/parties. Please confirm.</p> <p>2. We assume that the encounter claims compliance processing is outside the scope of EDWS. Please confirm.</p> <p>Please specify the file formats for the encounters.</p>	<p>Encounters and externally generated claims will be processed by the new MES Encounters Processing System (EPS). External claims will be translated and processed before they are loaded in EDWS.</p> <p>EDWS will collaborate with EPS/EDI team and business team to ensure reporting and analytical needs are met. EDWS vendor is required to support encounter file formats as per the business need. The file format will adhere to generally accepted industry standards of data exchanges.</p>
EDWS	37	3.A.2.2 TEST CASES, SCRIPTS, AND MANAGEMENT TOOLS page 30	Any existing tools for Test Management, Performance or Automation being use currently?	Each Contractor should propose their chosen tool(s) and explain how the tool(s) will meet the requirement.
EDWS	38	3.A.2.1 REQUIRED TESTING METHODS page 30	What is the scope of Performance Testing? IS it confined to ETL workflows Testing or includes any web portal or other end user applications?	Performance testing should encompass all functionality in the Contractor's Solution.

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EDWS	39	3.A.2.1 REQUIRED TESTING METHODS page 29	Approximately how many Integration points do we have for this implementation?	There is no existing Enterprise Data Warehouse to provide a current state interface diagram of the applications. This information will be gleaned from the DDI life cycle.
EDWS	40	3.A.2.1 REQUIRED TESTING METHODS page 29	Could you please confirm whether testing of downstream systems and dependent systems is within the scope of this engagement? Could you please provide us with the interface diagram of the applications within the scope of this engagement including level of testing?	<p>At this point we cannot confirm that participation in testing of systems to which the EDWS supplies data is within the scope of this engagement. The EDWS is a reporting system and primarily receives data from interfaces to support reporting activity. Since the MES has not gone through a DDI life cycle, it is not possible to confirm or deny that there will be downstream or dependent systems.</p> <p>There is no existing Data Warehouse to provide a current state interface diagram of the applications. This information will be gleaned from the DDI life cycle.</p> <p>Please also note that some information is available in the Procurement Library. See especially the Interface list for current applications.</p>

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EDWS	41	2.b State technology standards	As per Virginia's Technology Standards, LogiXML and Microsoft SQL Server Integration Services as strategic ETL tools. The EDWS program should use only strategic ETL tools or can contractor propose new set of tool for Data integration.	DMAS is not prescribing any particular software tool and the vendors can choose to propose any ETL tool that adheres to VITA's policies. Vendors do not have to restrict themselves to ETL tools listed.
EDWS	42	1.e.4 Expectation of role page 26	From a scope perspective, is data provisioning for Enterprise Data Warehouse Solution (EDWS) solution in the expected format and quality responsibility of ISS contractor?	Provisioning of data for Enterprise Data Warehouse Solution will be managed by ISS contractor. However, the quality, layout, and format in which data is required will be a collaborative effort between DMAS and the ISS and EDWS Contractors.
EDWS	43	1.d present situation page 21	Has the state decided on the high level technical architecture and Information architecture for the proposed centralize Data Warehouse?	Yes. DMAS high level technical architecture adheres to MITA 3.0 standards with interoperability capabilities. Please refer to section 3.b.5.1 of the RFP.
EDWS	44	1.d present situation page 20	Are there any archived data that need to be considered for loading into Central Data Warehouse and if yes what is the format in which are they stored? What is the size of the data and number of such objects?	All historical data must be extracted, transformed and loaded to the Contractor's Solution. Please refer to the Vendor Reference Library for information concerning data formats and approximate size. Please refer to section 3.b.5.1 of the RFP.

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EDWS	45	1.d present situation page 20	Other than Mainframe what are the other sources of data/databases that will act as a source for the proposed central Data Warehouse?	Other sources include but are not limited to Oracle, SAS datasets, other COTS applications, and raw files. Please refer to the Vendor Reference Library for additional details.
EDWS	46	1.e.2 Business Domain Overview page 11	It is listed that EDWS will 'Support Integration of Clinical and administrative data'. We interpret this to mean that the solution will have the ability to bring in clinical data at some point in the future and that actual integration of clinical data is not in scope at this point. Please confirm.	The actual integration of clinical data is in scope for this project although the exact timing is not finalized.
EDWS	47	3.a.3 Page 32	Will there be two separate and distinct Change Management Plans for the DDI phase and the on-going operations phase, each requiring customized requirements, approvals and decision protocol?	There will be 2 deliverables for change management, one for DDI and one for Operations and Maintenance.
EDWS	48	Appendix C Schedule M	Would the state consider changing this language to remove the reference to using these rates in the fixed monthly payments line item? Rates for time and material project work are typically different than those used to build a fixed fee price because in a fixed fee price bid you benefit from the holistic purchase	No, this reference will not be removed. Note that all costs associated with Schedule M are for informational purposes only and may be used during the performance of the contract to calculate Offeror reimbursement rates for other projects identified and approved by the Department.

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EDWS	49	Appendix C Ongoing Operations	The configuration and customization costs in Price Schedule K represent a single year. May the Offeror apply the COLA factor from Schedule K to each subsequent year for purposes of completing Line 3 of the schedules?	As noted in the RFP, COLA adjustments apply only if the Department requires the purchase of additional Enhancement hours.
EDWS	50	Appendix C Price Proposal Schedule K	Can the State further clarify this statement? Is the cost for configuration and customization incremental the base Operation and Maintenance Services, or are these optional hours for out of scope enhancements?	This schedule will include pricing for the Offeror to account for requests that are either included in the base price (as noted) or are priced as an option for system configuration and customization in addition to the base price.
EDWS	51	Appendix C Price Schedule K	Would the state consider using a standard for FTE hours that accounts for holidays and other time off? A typical industry standard of 1,880 hours represents 1 FTE.	No.
EDWS	52	EDWS-SLA-09 page 130	Please confirm that the Commonwealth intended for EDWS-SLA-09 to serve as the RPO (recovery point objective) to coincide with the stated RTO on ID EDW-SLA-10? Please provide clarification that an RPO of 120 minutes and RTO of 2 weeks are required.	DMAS recommends a 2 hour window to restore essential services for operational continuity and a full restoration of the original environment within two weeks of disaster irrespective of the severity of the disaster. DMAS is open to vendor suggestions.
EDWS	53	Appendix J.34 Reporting page 217	Claim validation would seem to be the responsibility of the MMIS or other operational system rather than a data warehouse. How does DMAS see a data warehouse being involved in the adjudication of a point-of-sale process?	EDWS will support storage, cleansing, reporting, and analysis for claims and encounters data.

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EDWS	54	Appendix J.22 Data Integration	Will the state please provide an example of a software system resolving semantic conflicts?	DMAS expects that the data integration (ETL) tools support transformation and cleansing of data in order to resolve semantic conflicts of data received from multiple data sources. An example would include different values in different data sources used to identify gender.
EDWS	55	Appendix J.21 Page 200	As not all standards harmonize with each other what is the explicit list of standards with which DMAS would like vendors to comply?	DMAS prefers to use national standards. DMAS Data Governance committee will provide support to harmonize data standards in case of ambiguity and provide any state specific standards. Vendor recommendation for national standards will be welcomed.
EDWS	56	Page 200 Appendix J.21 Data Modeling	What is an Atomic Warehouse Model? What does 'generated' mean in this context?	Atomic data are data elements that represent the lowest level of detail. Atomic Data Warehouse represents the enterprise-wide repository of atomic data used for information processing. Atomic data models are usually highly normalized, although it can contain duplication and derivation for ease of navigation and performance. The vendor is expected to propose a reliable and sustainable data model that meets DMAS business needs. The word "generated" means EDWS will be developed based on vendor proposed data model.

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EDWS	57	Appendix J.19 Hardware Page 198	Can the State please confirm the use and meaning of “asymmetric” in the context of this requirement? Please provide an example.	By asymmetric we mean that the platform should have different tiers for query planning and query execution. The system should be capable of distributing the execution over parallel processors after query planning is done. This is a desired solution and DMAS is open to suggestions from vendor.
EDWS	58	Appendix J17	Does DMAS have a list of other source systems in which they are interested? Do they exist beyond DMAS? Since this scope is potentially unbounded does DMAS agree this would be a change order?	Other source systems include but are not limited to data from other Virginia state agencies, Medicare data from CMS and data from other partners and vendors. The determination of Change Order Status will be made during DDI and O&M Phases based upon defined requirements.
EDWS	59	Appendix J.15 EDI	Does DMAS expect the EDWS will shred the EDI transaction and repeat validation already performed by the MMIS?	In future, encounters and externally generated claims will be processed by the new MES Encounters Processing System (EPS). External claims will be translated and processed by EPS before they are loaded in EDWS. EDWS will not repeat validation already performed in the MMIS and or EPS.
EDWS	60	Page 174 Testing	Does DMAS have a specific tool(s) required for automated testing?	Each Contractor should propose their chosen tool and explain how it will meet the requirement.

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EDWS	61	Appendix J.3 Testing page 173	Which of the ten (10) test environments described in requirement EDWS-TEST-001 will require manipulating the system date for temporal testing?	All test environments used by the Department, along with any others the Contractor deems necessary in order to perform thorough testing.
EDWS	62	Figure 3 and 4, graphics on pg 12 and 14.	Figure 3 - The graphic on page 12, Business Domain View, within the ISS shows a Document Management Service. Figure 4 - the graphic on page 14, Technical Architecture View depicts no such service in any location. Does DMAS expect this to be the responsibility of the ISS or included in the EDWS?	Responsibility of the ISS vendor.
EDWS	63		I wanted to inquire if there was a published or available list of participants in the pre-proposal conferences for RFP 2016-04 RFP 2016-05	Attendance listings for participants of the pre-proposal conference were posted in Addendum 2 for RFP 2016-04 and Addendum 3 for RFP 2016-05.
EDWS	64	RTM	The dropdown function on the Excel file, RFP 2016-05 Enterprise Data Warehouse Solution Requirements Traceability Matrix, is not working. Will the Commonwealth please provide us with a new version of this file with a functioning drop down feature to enable submission in the designated format?	The completion of the RTM document is not dependent on, or intended to be based on the use of drop-down lists.

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EDWS	65		Is there metadata on the existing system which can be used to determine what data resides in what system?	Some technical documentation is available for current MMIS system. But it does not cover all data elements in use at DMAS. Additionally, there is a Data Governance process established to create business definitions.
EDWS	66	Appendix C Pricing - C.1 Price Proposals	The dates in Table C-1: Contract Stage Pricing Table are out of date. Contract Stage 1: DDI Phase I shows a start date of July 1, 2016. Will the Commonwealth please update Table C-1 with revised dates?	Contract Phase 1 dates will be updated once the chosen vendor has been identified during the Planning phase of the project.
EDWS	67	9.c - SWaM Procurement Plan	Page 128 requests that Contractors state the percentage of the contract's value that will be spent with SWaM subcontractors. However, the table under Section B on page 134 asks only for the Planned Contract Dollars During Initial Period of the Contract. Should Contractors provide the percentage and, if so, should it be included in the table on page 134 or provided in the introduction to Appendix B?	Contractors should follow the instructions in Appendix B, Section B and provide the planned contract dollars during initial period of the contract. All information on planned SWaM subcontracting should be included in the table in Section B of Appendix B.
EDWS	68	3.a.9	Will the Commonwealth clarify whether the enterprise content management (ECM) solution already exists in the VA DMAS, and the EDW will integrate with this ECM? Or does the Commonwealth require a new ECM to be installed as a component of the EDWS?	EDWS vendor is not expected to provide an Enterprise Content Management solution for the MES. The EDWS Contractor is required to provide a Documentation Management solution for its proposed Solution.

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EDWS	69	Page 36, 3.a.11. CONVERSION CHALLENGES	As unexpectedly high data volume is listed as a conversion challenge, please provide estimates of the number of records (by subject area) that must be converted under the three phases of the EDWS DDI project.	Please note that information is already available in the Procurement Library. See especially the Technical Documentation and the VAMMIS System Stats.
EDWS	70	J.16 - Documentation Management Solution	<p>Is it the Department's expectation that the EDWS Contractor's documentation management solution will serve as an enterprise content management solution for the entire MES? Figure 3: DMAS MES EDWS Business Domain View of the Future State indicates that Document Management Services is within the scope of the Integration Services Solution (ISS). Can DMAS clarify whether the requirements stipulated in J.16 are in fact applicable to EDWS? These capabilities are not typically included in the EDWS.</p> <p>If Contractor is intended to provide documentation management services, what is the anticipated volume that we will need to convert?</p>	<p>EDWS vendor is not expected to provide an Enterprise content management solution for the MES.</p> <p>The EDWS Contractor is required to provide a Document Management solution for its proposed Solution.</p>

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EDWS	71	Appendix H and Appendix C.1	In light of these three provisions, please clarify the following: (1) Is DDI Phase 1 12 months regardless of when the Contract signing date/Contract Effective Date is or must it be completed by 6/30/17 regardless of the Contract Signing Date/Contract Effective Date? (2) Are all DDI Phases collectively 24 months or must all DDI Phases be completed by 6/30/18 regardless of when the Contract signing date/Contract Effective Date occurs?	DDI phase length will be confirmed with the chosen vendor. It is the goal to have this phase last approximately 12 months or less. Goal for the program is to have the entire MES solution implemented within 24 months or less but no later than 6/30/18.
EDWS	72	Appendix H; Appendix C.1	In light of these three provisions, what should bidders assume to be the start of DDI and the Effective Date of the Contract?	Flight Plan dates will need to be adjusted and will impact the start of the DDI phase. The effective date will be that date which the contract is signed by both DMAS and the chosen vendor.

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EDWS	73	6.f.2	The RFP specifies several key staff positions and it is both typical and important for the Department to have visibility into the percentage of time that any key personnel proposed by each bidder will be expected to be assigned to the project. On the other hand, requiring each bidder to specify the percentage of time proposed for all proposed personnel is not typically required, especially where the bidder must meet certain deadlines and deliverables, with liquidated damage exposure if the bidder fails to do so. In light of the foregoing, would the Department clarify that the time commitment requirement in Section 6.f.2 is limited to the key personnel proposed by a bidder?	The time commitment is relative to key personnel.
EDWS	74	Page 217, J.34 Reporting	How is the drug rebate information referenced in this requirement to be made available to users and subscribing systems?	This data will be used for reporting and analytics, and is not required to be made available to users and subscribing systems.
EDWS	75	1.d	What is the definition of external data; is it external to EDW component or external to DMAS system? What is the frequency and volume of this external data?	External data is the data not generated by DMAS or stored in its applications. It is data received in raw files from external entities. Some examples of external data are – Medicare data, Commercial Drug file, Vital Statistics from Dept. of Health.

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**Offerors Questions and DMAS Responses**

RFP	Question #	RFP Cite	Offeror Question	DMAS Response
EDWS	76	Page 217, J.34 Reporting	Please provide more information about what drug rebate information will be loaded to the EDW System. Is this data limited to the data used to calculate the invoice amount per unit by NDC and quarter?	No, this information includes but, is not limited to, covered outpatient drug status, Unit Rebate Amount, Manufacturer invoices and manufacturer payment detail.
EDWS	77	J.1 - EDWS-TECH-STND-015	What is the max file size, frequency, and average success rate (files that make it without the need of a restart or failure)?	The standard frequency will be daily; the max file size is unknown and depends on the data sources in the new MES solutions. The solution must support configuration of record acceptance and load based on business rules.
EDWS	78	J.1 EDWS-TECH-STND-014	Please provide the following metrics: a) Total EDWS user base b) # of concurrent users c) # of internal vs. external users d) number of program integrity users e) number of MARS users	Total EDWS users are projected to be approximately 200-300. There will be up to 200 concurrent users and 30 BI/Report developers. The number and distribution of users will depend on the future MES solution.
EDWS	79	1.e.1	Is it a state provided and managed ESB or the vendor needs to purchase it and provide custom development, configuration, etc. for this ESB? What type of functionality is expected from "communication bus" in the EDW module?	State will not provide, configure or manage the enterprise service bus for the EDWS vendor. The Communication Bus functionality required is to support interactions with the ISS Vendor.

**Attachment 1**  
**RFP 2016-05, Addendum 7**  
**Offerors Questions and DMAS Responses**

RFP	Question #	RFP Cite	Offeror Question	DMAS Response
EDWS	80	3.a.10; 3.b.5.1; 3.b.6.1	Please verify that the EDWS references to “source of truth” are not equivalent to “system of record”	<p>Source of truth and system of record refer to different items as noted below:</p> <p>System of record is the authoritative data source for a given data element or piece of information. The need to identify systems of record is critical to build a data warehouse for extracting output data from multiple source systems.</p> <p>Source of truth – practice of using one source for a particular data element. The primary purpose of data warehouse at DMAS is to support reporting and analysis of data that has been combined from multiple sources. The fact that such data has been combined from multiple information systems might result in some differences with the same piece of information (that might arise from semantic differences). Data is stored in EDWS by re-processing this data, and then re-presenting the result for a new business use. Therefore, data available from the data warehouse becomes the "single source of truth" or “single version of truth” for reporting to multiple stakeholders.</p>

**Attachment 1**  
**RFP 2016-05, Addendum 7**  
**Offerors Questions and DMAS Responses**

RFP	Question #	RFP Cite	Offeror Question	DMAS Response
EDWS	81	J.34 Reporting EDWS-RPT-037	Please confirm that the EDW role in this process is limited to the provision of such encounter extracts, and the loading of the corresponding shadow priced encounters (and not the shadow pricing itself).	The EDWS role as it relates to requirement EDWS-RPT-037 is confirmed.
EDWS	82	1.a.1.1, EDWS-EDI-001, EDWS-EDI-008, EDWS-GNRL-002	Can you outline your current real-time data usage needs including data types and source systems?	EDWS is not required to load data on a real-time or near real time frequency. The current business need is to refresh the data on at least a daily basis.
EDWS	83	3.b.1.1	Please confirm that the offeror is not required to replace or purchase user or application server based licenses for SAS software.	DMAS currently owns SAS software licenses and the vendor is not required to replace or purchase user or application server based licenses for SAS software.
EDWS	84	1.e.4 and 3.a.8	Please clarify whether the contractor is responsible for real time reporting.	EDWS is not required to load data on a real-time or near real time frequency. EDWS is expected to produce On demand reporting using the data currently loaded in the Data Warehouse.