

Western Governors' Association - Request for Proposal #06WGA148WRAP
WRAP EDMS Operations and Maintenance

Questions and Answers
October 2, 2006

1. Section 3.2 item a. - is it the intention of the WRAP that the hardware and software used to host EDMS is to be delivered to WRAP at the end of the contract?

Answer: The RFP anticipates that the individual bidders will provide leased computer hardware and asks the bidders to provide services to host and maintain the EDMS along with ancillary security, periodic backups, et cetera. Copies of the software and updates to the computer code need to be provided to WGA/WRAP as requested, whenever there is an update to the version of the software and code.

2. Section 3.2 item c. - it is stated in the RFP "contractor will provide consulting services on an as-needed basis, encompassing..." - is that to be bounded by the amount of monthly budgetary expenditure and the overall budget of the project? Please explain.

Answer: Yes, the Emissions Forum intends for the monthly billing rate not to exceed \$12,000 on average. The monthly billings would include consulting services as well as work on the fixed rate tasks.

3. The Oracle export log at http://www.wrapair.org/forums/ef/EDMSop/EDMS_Production_Export_Log_9_3_06.txt lists application tables that are not included in the Data Model. Can we get a complete Data Model diagram and/or a complete listing of application table and column names and descriptions?

Answer: The Oracle export log includes all database objects for all schemas in the current EDMS database. See the attached file: "EDMS_Schema_Table" containing the 10 schemas that begin with "EDMS_", which also will be posted at: <http://www.wrapair.org/forums/ef/EDMSop/index.html>.

4. Will the Oracle database be delivered as Oracle Export files? On what media?

Answer: The plan is deliver a copy of the EDMS Oracle database as Oracle Export files on an appropriate medium. If an alternative format is desired, please detail the advantages of doing so in your bid.

5. Is Oracle Database Server Standard Edition or Enterprise Edition currently installed and licensed on the EDMS production system? If the Enterprise Edition, are there optional Oracle components that have been installed and licensed (such as Oracle Spatial)?

Answer: The current system uses Oracle9i Enterprise Edition Release 9.2.0.7.0 - 64bit Production version, with the Partitioning, OLAP and Oracle Data Mining options. Most of the program logic is written in either Visual Basic and "classic ASP" is used for the web pages. No optional Oracle component has been installed and licensed.

6. Oracle licenses are either perpetual or term. Will Oracle or any other software licenses be transferred with the system?

Answer: The Oracle licenses for the current EDMS host are system-wide, renewed each year, and not transferable.

7. The web interface source code has been provided from http://www.wrapair.org/forums/ef/EDMSop/index.html/Wrap_Source_Code_Production_09_01_2006.zip. Are there any other application code modules (such as Oracle stored procedures)?

Answer: A full Oracle export will contain all the information needed to create the database objects (tables, procedures, triggers, etc.) that currently exist in the EDMS database. The database objects should be created when the DBA imports the data from the export dump file.

8. Please clarify the backup schedule "periodic" vs. "daily" on page 16.

Answer: The backup schedule will be proposed by the bidder, assessing the needs and advantages for various backup frequencies. It is expected that the proposals will offer daily and less frequent periodic backup options to help manage costs.

9. Is there a specific date or a set number of days after contract award when hosting of the system at UNC will end?

Answer: The EDMS should be moved off the UNC server before December 15, 2006, or as soon as practicable before then.

10. We would like to review the current status and history of bug reports entered into the Bugzilla system for the WRAP EDMS project. Would you please either give us a read only account into the system or provide for us a complete extract of all of the bug reports in the system (including all resolved or closed bugs)?

Answer: See the attached "Completed Action Plan" document, which also will be posted at: <http://www.wrapair.org/forums/ef/EDMSop/index.html> .

11. In the document "EDMS_Draft_QAPP_7_9_04.pdf" Appendix E is listed as "QC/QA Listing," and there is embedded in the pdf a link to the file "edmsqcqagapfill.pdf". Would you please provide this file for review?

Answer: Pages B-5-1 and B-5-2 of the Draft QAPP adequately describe information that would have been included in Appendix E.

12. The "Inventory Description Document" (Feb21, 2006) does not contain information on inventories 9 and 10, which are currently in EDMS. Can the inventory document be updated?

Answer: No. Also, see the answer to question #20, below for additional information.

13. The WRAP EDMS DBA Activities documentation report indicates the following in response the question #2: "The second step, in transaction stage, certain potential irregularities in data format are addressed, such as trimming spaces and upper casing of certain fields. Quality Control routines diagnose duplication errors, referential integrity errors, valid range errors, null checks for required fields, and valid value errors. This report is returned to the data provider for review. The

DBA controls the amount of quality assurance applied to each submittal by manually setting up the scripts to be run against the data." Will the referenced scripts and an inventory of these types of scripts, along with a description of their function, be made available at time of award?

Answer: No, the Emissions Forum expects the successful bidder to complete their critical system analysis report within 10 weeks of contract award. The types of QA/QC checks needed and methods to execute them will need to be provided in the critical system analysis, in enough detail for the Emissions Forum to give the EDMS contractor direction on the level of effort for future inventory data processing.

14. The WRAP EDMS DBA Activities document, the third step of the QA process-- the Staging Database, indicates that "...quality assurance routines, such as gap filling for missing sites, counties, SCCs or pollutants are performed, consistent with the version and typing restrictions enforced by the EDMS. The inventory is analyzed by the DBA to compare it to the anticipated submittals. Gap-filling methodologies and procedures are finalized with the WRAP Steering Committee. The database administrator and data analyst then manually develop and apply scripts for the QA/gap-filling to be applied." Can you make available a few sample database QA scripts?

Answer: No, see the answer to question #13, above.

15. Can you clarify how automated the gap filling process is? For example, the DBA documentation activities indicates that "...if a submittal does not include a particular county for point sources, that county's information is forwarded from a previous year, or previous version of the inventory. If an area source submittal does not include certain pollutants for an SCC, those pollutants are brought forward from a previous version of that year's inventory...". Are these processes automated or do they require significant manual intervention (i.e., does the Admin simply click a 'gap fill by copying forward' button, or does the Admin need to modify and run an existing script or write a new script)? If significant manual intervention is required, please describe the process.

Answer: Inventory processing for future data and the associated need for any gap filling remains subject to review and direction by the Emissions Forum with assistance from the WRAP Technical Coordinator. The Emissions Forum is currently completing a survey to determine plans for data submissions by states, tribes, and locals during the next 12 months. The method and need for gap filling future data sets and the best manner to do so are subject to the same answer as question #13, above.

16. Is the level of documentation associated with database scripts, packages, and functions similar to the documentation in the source code already made available?

Answer: See the answer to question #13, above.

17. On page 18 of the RFP it states: "The contractor will be reimbursed on a base, plus a time and effort basis. Tasks A, B, and C in the Scope of Work will be reimbursed based on firm discrete bids by the contractor." Will the "discrete bids" referenced be created at the start of each task over the course of the contract or will you be looking for those as part of the proposal?

Answer: The firm, fixed price bid amounts for Tasks A, B, and C are due with the proposal.

18. What specific EDMS functionality do the Scientific Application Server and Statistical Analysis Server listed on page 16 support?

Answer: The purpose of listing various servers in Task A was to give bidders an idea of potential functional operational needs of the EDMS in the future. Task A also mentions that hybrid or alternate arrangements will be considered. The individual bidders need to consider this list of functional servers in preparing their proposals and be prepared to make the server configuration they propose suitable for all the functions identified in the list, keeping in mind that the critical system analysis report will prioritize future operations of the EDMS for the Emissions Forum.

19. Can you provide a copy of the EDMS database DDL (i.e., database creation scripts)?

Answer: See the answer to question #7, above.

20. On the conference call you said that all data submitted to date has not completed processing. The follow-up question you said you would provide a written answer for was whether or not all data that has been submitted will have the processing completed by the current contractor before the end of their contract.

Answer: The data uploaded to the EDMS that has not completed processing include various inventories for 2018, as well as 1999 Mexico and 2002 Eastern Pacific Ocean marine shipping inventories.

21. How does WGA expect the operations of the WRAP Technical Support System and the EDMS hosting task to work?

Answer: The WRAP TSS and the WRAP EDMS projects are separate. The RFP identifies that bidders should plan to provide EDMS outputs directly to the TSS in the future. The RFP also identifies that proposals combining the EDMS hosting effort with existing long-term WRAP data systems are also desirable. The CIRA staff hosting the TSS would like to be involved in reviewing the design and format of future EDMS outputs, and are willing to host the EDMS at some point in the future, since TSS services provided by CIRA to WRAP already include the hosting of a large inventory of emissions, modeling, and monitoring data. WGA and the Emissions Forum would expect that any future services from CIRA for the EDMS would be delivered under the WGA-CIRA TSS contract, so proposals with CIRA for this RFP are not required. The Emissions Forum would like to see proposals from this RFP that identify how the individual bidders envision any proposed transition from the bidder's host site to having the EDMS hosted at CIRA, and when and why that transition would be advantageous and cost-effective.

22. The DBA activities document refers to many QA/QC routines. Will the code or scripts for all of these QA/QC routines be provided if the EDMS is transferred? I.e., QA/QC will continue to be provided on future data submittals; if there is a new contractor for the EDMS, would that contractor be expected to develop code/scripts for the QA/QC routines from scratch or will WRAP provide what is currently used as a starting point?

Answer: See the answer to question #13, above.

23. There are almost no comments in the source code. Is there a programmer's guide or any external documentation of the software? At a minimum, is there a code map?

Answer: No.

24. The DBA activities documentation refers to an upcoming version 2 release of the inventory. When will that be released and what will be in there that is different from the latest inventory version? The DBA documentation also says that there will be a more detailed Inventory Description Document. What information will be included in that?

Answer: The version 2 release will contain limited changes, including QA checks of earlier EIs, primarily for point and area sources, and summarized fire emissions data to improve system operations. Additional changes may be accomplished prior to the release, to correct data reporting issues for selected major point sources. No additional work on a revised Inventory Description Document will be completed in the immediate future.

25. What operating system and web server software is being used on the web server, and what versions are they? What has been the historical CPU load average and memory usage on the server? The bandwidth statistics say that the average total transfer is 45GB per day, but that less than 9% of this is the EDMS server - so please confirm that the EDMS system is averaging less than 4.5GB per day. Is this server dedicated to the EDMS web site, or are there other applications running on it?

Answer: This information is not available.

26. What other software is required to support development and hosting of the GIS interface?

Answer: No additional software is installed to support this application.

27. What is the development environment and what software development tools and libraries are required, with version numbers?

Answer: This information is not available.