Questions
Data Management RFP
Solicitation # DCRB-14-028

Overview

This document contains questions asked by the vendor community in response to the DCRB RFP Solicitation #DCRB-14-028 and DCRB's answers. Please note that none of the answers contained in this document qualify the terms of the solicitation and the terms of the solicitation will remain unchanged unless the solicitation is amended in writing.

Common Answers

Integration points

The purpose of this RFP is to implement a fully integrated solution that will receive data from the District's PeopleSoft system and Treasury's STAR to capture active member data, validate, verify, and cleanse data, and stores the data in a MDM solution that governs the information. The proposed systems should be integrated with each other and should be able to receive the flat files identified in the RFP.

EDQ and MDM are SOA enabled systems and are to be integrated with the ESB. The ESB will receive the flat files from the SFTP site and transform that data to be transmitted to the EDQ and MDM.

There will be future efforts that will leverage the SOA based ESB for integrating data and systems. Integration points identified in the RFP were addressing the ESB and not as part of the Retirement Modernization Program.

Record sizing, structure, and growth

The sources of data are Active Members from the District's PeopleSoft System and Retired Member Data from Treasury's Star. While other systems have been identified as integration points they are not sourcing data to the MDM solution. In cases such as SFTP or SharePoint they may simply be a communication channel for the system to receive data for processing.

Detailed data including record size, # fields, etc. to be calculated by vendor after award. Database schema's are proprietary business information and will be provided to the selected vendor.

The Retirement Plans themselves are not part of the master data set, just the identification of which plan a member is currently enrolled in, as well as historical enrollment.

The data for all members (District and Treasury) contains three entities for a member: 1. Demographic, 2. Service History, and 3. Fiscal History. There are no significant differences between the existence of these elements in Treasury's STAR or in the Districts People Soft System.

- Demographics
    - Information such as name, address, age, beneficiaries, etc.
- Service History
    - Contains all service records for an individual. Service records are generally referred to as PAR (Personnel Action Report) and can range from a Leave of Absence (LOA) to a promotion, or disciplinary action.
    - Every action in a employees career should be recorded in a service record.
- Fiscal History
    - Payroll
        - Pay check
        - Deductions
        - Contributions
    - Purchase of service
    - Payout

Current rough record estimates are:

23,000 members are currently in the DCRB plan

Anticipated 1-3% Growth rate

10,000 Active Members – District PeopleSoft
      10,000 Demographics Records
      40,000 Service Records
      1,040,000 Fiscal records
13,000 Retired Members - Treasury STAR
      13,000 Demographics Records
      40,000 Service Records
      1,040,000 Fiscal Records

1. Please describe your high level use cases and 'as-is' business scenario's with data flows within the current enterprise architecture. This includes employee creation and update operations.

<mark>As this is proprietary business information, complete and detailed information will only be provided to the winning vendor on contract award.</mark>

2. For the Source/Subscribing Systems below please provide the number of current records (Employee/Member and Address) that will be migrated to MDM. Please include in the count all classifications (or desired statuses) of members to be mastered, i.e. Active, Inactive, etc.

   Also, please provide the number of transaction per day for each of these systems that would need to flow into MDM. The list below was taken from the RFP.

System	Definition
PeopleSoft	District of Columbia's human resource (HR) System
STAR	US Department of Treasury's retirement system (PeopleSoft)
SFTP	DCRB's Secure File Transfer Protocol (Global Scape) repository
FileNet	Used for the storage of scanned images
SharePoint	workflow management, document storage, and data management
Project Server	Both Programs and projects are managed through Project Server (Projects contain schedules, task information, performance measures and document repositories.)
Microsoft Dynamics GP	Future (Financial system)
Tamale	Future

<mark>The primary purpose for this implementation is to capture active member data from the Districts' PeopleSoft system and Retiree data from the Treasury's Star system. Integration to addition systems will be done in yet to be defined phases. The initial phase of the contract is to have the vendor assist in gathering this information and preparing a complete report on all of the details regarding data elements, sizing's and any additional integration systems necessary. Long term plans for integration beyond the Active and Retirement members have yet to be developed.</mark>

Page 3, under **Section A. – Objectives,** indicates: *"Monitoring and logging the transmission of data, and generating alerts for system administrators in the event of an invalid or incomplete data record"*

Please clarify how comprehensive of an alert generation service is required for the EDQ and MDM components. For instance, what is the preferred alert delivery mechanism? For what range of criticality will alerts be generated for?

Alert generation service will be provided by the User console and email. Alerts will be categorized by prioritization. Each level should allow the system to redirect to other communication tools. Critical alerts will be generated both on the user console as well as generating an email.

3. **Page 3**, under **Section A. – Objectives,** indicates: *"Providing a storage solution for a master data record for each member consisting of demographics, fiscal (payroll, retirement contributions), and service history (personnel actions, promotions, COLA, etc.)"*

   Please provide comprehensive list of additional data sets/groups relating to member fiscal and service history profile and/or any additional groupings relating to the member profile.

As this is proprietary business information, complete and detailed information will only be provided to the winning vendor on contract award.

4. **Page 5**, under **Primary Applications,** shows *Table 1: Applications That Integrate with MDM as Sources or Consumers of Data*

   Please clarify which method of data processing is required for each application; for instance, real-time and/or batch. If batch then at what frequency and projected (typical) data loads? If real-time then what is the projected rate of message exchanges?

Both real time and batch processing will be performed. Actual frequencies and loads will be identified as part of the initial analysis phase and while initial activities will include historical information and manual development of business rules long-term load statistics will need to be identified through analysis and execution.

5. **Page 9**, under **Description of EDQ Objectives**: *"In addition, the system will perform multiple data checks, validation, and verification processes including analyzing data for changes in data (deltas), cross-checking information across multiple look-up sources, and identifying errors in the data to be further analyzed by quality engineers."*

   Please clarify the mode of operation for this proposed functionality? For instance, can this functionality be fulfilled via frequent data profiling exercises or is this envisioned to be more real-time and/or adaptive in nature?

Anticipated processing will be done on a real-time basis and is generally performed on a weekly basis from one source and once every 2 weeks when the payroll processes have completed from another source. Business rules should allow for adaptability and a variation of output depending on the error identified. Automation and adaptive processes will be potentially useful depending on the development of business rules, the tool selected and the integration of systems

6. **Page 9**, under **Description of MDM Objectives**, indicates; *"For the purposes of the Retirement Modernization Program, the MDM will be a multi-domain system that allows for customized, multiple master data models such as a member, financial, or retirement plan.* ***These models operate under a strict set of guidelines and constrain changes to ensure that the data stored is governed in such a way as to ensure consistency and data accuracy****."*

   Please provide the requirements for guidelines and constrained changes for governance of member, financial and retirement plan data within proposed MDM.

Please see plan descriptions, and policies for specific information on the Retirement plans managed by DCRB. Plans can be found on the DCRB website at dcrb.dc.gov

7. **Page 26**, specific to the ***Performance Work Statement (PWS)*** section: *"3. Identification of all risks associated with this effort including a 1) qualitative assessment of risk based on probability and impact and 2) an approach for mitigating each identified risk"*

   The RPF indicates that it is a one year firm term contract but the desired go-live date is March 2015. If and when the contract is awarded will the install and/or go-live dates change based upon the start date for this engagement?

Yes, depending on the award date subsequent dates such as start date, the install and go-live date may change. Work for tasks beyond the fixed dates and tasks will all be scheduled through task orders and will be developed after contract award.

8. **Section A: Objectives**
   Page 3: "These tools will provide the communication layer, data quality functionality, and a repository of authoritative data on member demographics, service history, and fiscal history"

Page 4: "Providing a storage solution for a master data record for each member consisting of demographics, fiscal (payroll, retirement contributions), and service history (personnel actions, promotions, COLA,etc.)"

Please provide the estimated record counts for fiscal information and service history if these are to be required to be stored in MDM.

Please see Common Answers section at the beginning of this document.

9. **Page 4:** "Enabling the automated transfer of data from the District and U.S. Treasury's PeopleSoft systems to DCRB through secure data transfer"
What are the different data entities from above two systems other than employee demographics?
District PS system: Current employee's information, what are the different entities to be migrated? Are the plans and contributions master data?
Treasury PS systems: Retired Employees information, what are the different entities to be migrated other than employee demographics?

Please see the Common Answers Section at the beginning of this document.

The Retirement Plans themselves are not part of the master data set, just the identification of which plan a member is currently enrolled in, as well as historical enrollment.

The data for all members (District and Treasury) contains three entities for a member; 1.) Demographic, 2.) Service History, and 3.) Fiscal History. There are no significant differences between the existence of these elements in Treasury's STAR or in the Districts

- Demographics
  - Information such as name, address, age, beneficiaries, etc.
- Service History
  - Contains all service records for an individual. Service records are generally referred to as PAR (Personnel Action Report) and can range from a Leave of Absence (LOA) to a promotion, or disciplinary action.
  - Every action in a employees career should be recorded in a service record
- Fiscal History
  - Payroll
    - Pay check
    - Deductions
    - Contributions
  - Purchase of service
  - Payout

This solution is not a migration solution, instead it is a stand-alone supplementary system for DCRB to leverage electronic access of clean and updated member information in a timely manner facilitating a central copy of information that is stored and maintained in other systems (STAR, District's PeopleSoft)

10. **Section B: General Requirements**

Page 5: To facilitate the implementation of a PIMS, data will have to be transferred and updated on a regular basis to reflect the current state of all employees.

Is this data transfer part of current scope? PIMS is identified as a future system in the RFP

This data transfer of Active and Retired Member data from the District's PeopleSoft System and Treasury's STAR is the scope of the effort. While the PIMS will be a future state system, it will be loaded with data that has been sourced, cleansed, maintained, and governed through the solution. Final data will be governed within the MDM system and will feed into a PIMS and potentially other solutions.

Page 6: The proposed solution will support the following high level data flow:

OPM and Member Portal are identified as applications for data transfer. What data is available/ or needed to flow for these sources?

Member data will be used for OPM data transmissions and other systems such as the future state Member Portal. Member data consists of standard Demographics, Service History and Financial (payroll) information.

Page 6: "Table 1. Applications That Integrate with MDM as Sources or Consumers of Data"

SFTP is identified as one data source, What master data is stored in there?
FileNet is identified as one data source/consumer, What master data is stored in there?
SharePoint is identified as one data source/consumer, What master data is stored in there? Project Server is identified as one data source/consumer, What master data is stored in there?

Please see the Common Answers section at the beginning of this document.

The sources of data are Active Members from the District's PeopleSoft System and Retired Member Data from Treasury's Star. While other systems have been identified as integration points they are not sourcing data to the MDM solution. In cases such as SFTP or

SharePoint they may simply be a communication channel for the system to receive data for processing.

1. SFTP receives files from various sources and will be an input to the MDM system
2. FileNet stores scanned versions of all paper records contained within a personnel folder - Member demographic data is cross referenced with other systems to facilitate access to the proper record in FileNet.
3. At this time, no master data is stored in SharePoint
4. At this time, no master data is stored in Project Server

11. **Page 6:** *"The implemented solution will be required to comply with DCRB's enterprise architecture and must integrate into DCRB's as-is and to-be enterprise architecture and meet the following infrastructure requirements:"*

What does "comply with DCRB's enterprise architecture" mean specifically?

Comply means to perform within a standard enterprise environment leveraging a Windows Operating system, Cisco Routers, VMware, etc., operating across two sites for high availability without requiring a separate environment. Please see Page 6 of the RFP.

12. **Page 10:** "In the flow from the District of Columbia, a data extract will be transmitted from the District's PeopleSoft Human Resource system. This feed is a complete snapshot of the database after each payroll period has been completed."
Is this requirement to process entire data set through ESB every month? If so how large is this dataset?

Please see the Common Answers section at the beginning of this document

The District Columbia data will be run after payroll is completed 2 times per month. Detailed data including record size, # fields, etc. to be calculated by vendor after award. Current rough estimates are

10,000 Active Members – District PeopleSoft
      40,000 Service Records
      1,040,000 Fiscal records
13,000 Retired Members - Treasury STAR
      40,000 Service Records
      1,040,000 Fiscal Records

13. **Section: Description of EDQ Objectives (page 10)**

To facilitate efficient processing, the EDQ will enable for workflow and error routing to the quality assurance team for notification and correction of data flagged by a business rule. Workflow approvals will need to be open ended so that they can be modified on an ongoing basis and the appropriate resources can be included. The MDM solution will have an interface that facilitates the correction of data points where necessary and will log each correction. Corrections should also be updated in the business rules engine so that the system automatically corrects the data point in subsequent data feeds.

Please provide the requirements for auto-correction. What data do you expect to be auto-corrected?

The vendor will provide a solution and will offer DCRB with an idea of the capabilities for the system in the development of Business Rules both (automated and manual) for the processing of data. For areas where feasible (scenario, use case, restrictions, prior information, etc.) Business Rules will be developed for auto-correction of data. Once these rules are created, they will auto-correct data every time they encounter the same data scenario. Business Rules will include the identification of scenario thresholds, tolerance limits, and potential variations that are acceptable or not for auto-correction. When the scenario is similar but different the business rule will flag the element requiring human intervention

14. **Appendix A**: **Business Requirement ID #1 (BR #1)** mentions the word "etc."

What does that mean, i.e., what other databases?

While no other databases are currently in use at DCRB, the solution will need to have the ability to integrate with potential industry standard future systems.

15. **Appendix A: Business Requirement ID #2 (BR # 2)** – *"Integration with Standard Application Systems: The solution shall be able to integrate with PeopleSoft, SharePoint, FileNet, and other data warehousing solutions"*

Does this include any type of integration? Is File-based okay?

The initial solution will be pulling data from SFTP in flat files for the District's PeopleSoft and Treasury's STAR system. These data feeds will be done on a file based batch basis. Real-time data integration is anticipated in future enhancements with systems such as SharePoint to ensure that data is being stored and that the ESB and EDQ are leveraged for multiple systems across the enterprise. DCRB would prefer to have both SOA, file and database connectivity to other solutions.

16. **Appendix A: Business Requirement ID #9 (BR # 9):** in regards to connectivity to non-traditional source types – what types of non-traditional sources?

Example of non-traditional source type would be –

CD ROM

Sneaker Net

17. **Appendix A: Business Requirement ID #22 (BR # 22)**

Please define "handle"? Does it mean to consume or ingest or perform optical character recognition?

DCRB will not be performing OCR in this project

18. Will DCRB configure the High Availability and Disaster Recovery Solutions once the Offeror has installed the environments?

The expectation is for the solution to be fully integrated in a high availability manner. Once that has been completed the support and maintenance portions of the contract should address ongoing support of this configuration

19. Please provide your development standards for review and incorporation into the PWS.

DCRB is requesting vendors propose their best practices in alignment with the system

20. What tools are currently in place to support PII standards?

Data Loss Prevention (DLP) will be in place once the installation of this system is completed. Secure email encryption with policy enforcement is already in place.

21. What are the specific fraud requirements to be implemented into the new solution?

Please propose best practices for financial fraud detection and prevention.

22. Please describe hardware currently in use at DCRB, including systems to which the proposed solution will interface.

Hardware in use at DCRB is proprietary business information and will be shared with the vendor once a contract is awarded.

23. Please describe operating systems currently in use at DCRB.

Currently, DCRB leverages Windows OS, iOS, Linux. Additional operating systems will be supported going forward.

24. The RFP requires the proposed solution be on Unix or Linux. Please describe the acceptable versions.

Please provide best practices and recommendations that will optimize your integrated solution performance.

25. Are the business processes for data quality and mastering the information documented? Are any other business processes documented?

Much of the business process is documented; however identifying and updating data quality and mastering the information will be a project for the SME's and vendor. Additional information will be provided at the time of award

26. How many integration points and what type of integrations do you anticipate?

Please see the Common Answers Section at the beginning of this document.

27. What is the nature of the data? Are schemas available? Does the District have a common schema?

The District uses a common schema for personnel data and the DCRB system will be a subset of that data. Schemas will be provided to vendors who are asked to do scripted demonstrations

28. Please provide size(s) of databases, flat files, and other sources of data.

Please see the Common Answers Section at the beginning of this document.

29. How many employees and retirees are currently in the system? What is the expected growth rate per year?

23,000 members are currently in the DCRB plan

1-3% Growth rate

30. What are the data retention periods?

7 years minimum for all data elements

31. What is the data archiving strategy?

32. The RFP states DCRB has licenses needed for the Oracle databases. Is the same true for VMware or if a virtualized solution is proposed, will additional VMware licenses be needed?

Yes, DCRB has separate licenses for VMware and will not require addition licenses

33. Is DCRB open to other, non-VMware virtualization technologies which offer significant savings? On non Intel-based hardware? On Intel-based hardware?

DCRB is open to working with other virtualization technologies that are not VMware or Intel Based

34. DB Workload – number of transactions per second/hour?

Please see common answers. Specific metrics have not yet been defined but will be part of the analysis provided by the vendor in the first phase of the contract.

35. Number of DB Environments required?

Minimum of 2 DB Environments with potential for growth based on other business needs

36. Storage sizing:

    a. Amount of data to be stored for each environment (Prod, Non-Prod, DR)?

    b. Duration of data retention?

    c. Rate of data growth?

Please see Common Answers section at the beginning of this document.

37. Does DCRB wish to utilize any existing Oracle licensing for the DMS?

Yes

38. Question for requirement relating to "Connectivity: Emergent Data Types/Semi-Structured Data: The solution shall connect to data stored in non-traditional source types, such as web sites, Microsoft Office productivity tools, and content repositories such as FileNet 5.1, SharePoint 2013, Tamale RMS, Dynamics GP, and other tools used by the agency."

     a.   What is meant by "connect"? API, Adapter, File, other? Please define requirement.

<mark>Be capable of identifying, opening a file and extracting or inserting data</mark>

39. Is there a requirement to encrypt MDM, EDQ, ESB data stored in the Oracle databases?

<mark>Yes</mark>

40. To which vendors has DCRB sent this RFP?

<mark>This solicitation is available for all interested vendors through the DCRB website.</mark>

41. Which potential bidders were involved in preparing for the development of or writing the RFP?

<mark>None</mark>

42. Which vendors have demonstrated their solutions for DCRB prior to the release of this RFP?

<mark>DCRB has conducted market research in accordance with DCRB regulations.</mark>

43. Where has DCRB seen similar solutions implemented that could be viewed as a solution that would work for DCRB?

<mark>DCRB conducted market research in accordance with DCRB regulations.</mark>

44. Please provide the number and type of users who will require training.

<mark>5 Data Quality Engineers</mark>

<mark>8 Infrastructure and network engineers</mark>

45. Page 3 states "The objective of this request for proposal is for DCRB to select a single software (integrator) Offeror." Is DCRB willing/open to the idea of awarding the contract to more than one vendor?

46. Will DCRB consider a solution that can provide all of the required functionality in batch, near real-time, and real-time configurations without an ESB?

No

47. Will DCRB consider a solution that does not provide a native ESB, but does support all of the ESB architectures in use?

See answer to 46

48. Does DCRB currently have any existing ESB technologies? If so, will DCRB consider a solution which leverages one of DCRB's existing ESB technologies?

No, DCRB does not currently have an ESB in place.

49. There appears to be conflicting information with regard to the use of subcontractors. For example on page 19, it states that "Offerors may not use subcontractors" whereas page 25 appears to allow for the use of subcontractors. Are vendors permitted to use subcontractors? Please define subcontractor for the purposes of this RFP.

Yes, vendors may use subcontractors for solution but proposal must be inclusive of the 3 identified systems, complete integration, and training

50. The RFP mentions a single vendor solution and then a partner based response, is DCRB expecting a single technical solution, but perhaps a partner based implementation?

See the answer to question 49.

51. Does DCRB have a preference or requirement for this to be a hosted solution or an on-premise solution? If on-premise, does the Service Level Agreement Management section (page 10) apply? If yes, please explain.

DCRB asks the vendor to propose available options for their solution.

52. The services defined in the RFP are around installation, configuration, transition, maintaining, and customizing the solution. What is DCRB's expectation around "customization" services? In our experience, an MDM implementation can include services related to the following types of tasks: Data Mapping, ETL development, Business Rule Development, Data Connectivity, Data Cleansing, Migration and Synchronization, etc. Will DCRB require any services assistance with these types of implementation tasks? If so, which ones?

DCRB would leverage the contractor for all services listed above based on Task Order assignments.

53. Will DCRB allow a time and materials (T&M) contract for customization services?

DCRB anticipates awarding a "hybrid" contract – a Firm Fixed Price and a Cost Plus Fixed Fee contract for task order services.

54. Will the 2 feeds from PeopleSoft (for active employees and retirees) have the same data structure?

While there will be commonalities in the data, there will be two unique structures and data schemas for Active and Retired members. DCRB receives the data in flat files so the opportunity exists to create a unified structure.

55. Please elaborate on your expectation regarding fraud detection requirement #122.

DCRB would like the vendor to propose how their solution could assist in determining anomalies in data that should be investigated, which may lead to the detection of fraudulent activities.

56. With regard to data volume, what is the number of active/retired employees today? Over next 5 years?

57. To help us determine approximate data extract sizes, please provide the number of active/passive users connected to the system.

DCRB expects 20-50 users active, and 5-15 passive users.

58. What is the expected/assumed level (%) of data duplication in DCRB's current/existing system?

DCRB expects to receive snapshots of member records when data is received, and expects the system proposed to differentiate between what was already received and update information.

59. What is the impact, amount of loss (real loss, notional loss) due to this data duplication?

Data duplication is not as much of an issue as missing or incorrectly entered historical records. One authoritative source will be established and duplicate data will be either automatically updated or manually adjusted.

a. How is data duplication impacting your ability to serve your customers?

Data duplication is not major issue at this time.

60. The overhead of translating the payroll period relational database extracts into XML for the ESB to send to the EDQ application that may then have to translate the XML back to relational data and then to have repeat this process to send data from EDQ to the MDM may compromise scalability and performance of the system. Would DCRB consider using more traditional data extracts and transfers for these bulk payroll period activities?

DCRB will consider alternate proposals but has defined a minimum standard that XML file format will be used to interface with all systems on the ESB.

61. Does DCRB desire to manage different domains (e.g. customer and financial investment information) within the same MDM infrastructure?

A multiple domain model is a requirement. Customer domain will be initially implemented but financial / investment information will be a growth project for the system.

62. DCRB ascribes some functions in EDQ that may be more efficient to take place in an MDM product (e.g. EDQ 51: Manual Override, EDQ 59: Householding, EDQ 60 – 63: Matching and Merging, EDQ 88-93 Matching and Stewardship).   Is DCRB open to executing these requirements in the MDM product?

DCRB will consider the functionality being in another system as long as the functionality meets the base requirements and the systems are fully integrated.

63. Could DCRB clarify the requirements of logging access to PII, is it sufficient to log changes and updates to PII or does every system (i.e. ESB, EDQ and MDM) require that all read access to records or XML that contains PII is logged?

The MDM system will provide governance over the data model while supporting systems will monitor file changes and updates. The MDM governance model will require all activity to be fully logged and maintained.

64. What versions of PeopleSoft are in production for DC's HR system and Treasury's retirement system (STAR)?

Information will be provided at contract awarded, but please remember DCRB is receiving extracted flat files from the external systems.

65. For the source systems that are sending data to the ESB, could you estimate how much data is being sent? (# of files, # of total GB's, etc, for example). Is there an estimate on how quickly the data needs to be imported into the new system? (for example, DCRB requires that the source data needs to be imported at 100GB/hr, a nightly load needs to take less than 2 hours, etc.)

Please see Common Answers section at the beginning of this document.

66. How much image data is being stored in FileNet?

All documentation in FileNet is scanned images. 3,000,000 records are currently stored and maintained.

67. Can you estimate how much data will be fed to the EDQ and MDM systems?

Please see Common Answers section at the beginning of this document.

68. Could you estimate the number of master data records that the MDM component will need to manage?

Please see Common Answers section at the beginning of this document.

69. Would you be able to send Functional Requirements in Appendix A in Excel format since that is the requested format for submission?

We will provide it in Microsoft Word format.

70. The RFP states that "DCRB to select a single software (integrator) offeror and solution(s) for its ESB, EDQ, and MDM solution". Are you seeking a software vendor as the "integrator" or a services firm as the integrator? For the three components of the solution (ESB, EDQ, MDM), is DCRB seeking to have these products all come from the same software vendor?

See the answer to questions 49 and 46.

71. RFP states "DCRB currently has Enterprise licenses for Oracle". Are these Enterprise licenses limited to Oracle databases?

Yes.

72. For the Functional Requirements in Appendix A, could you provide more information or an example of the difference between CC (client configurable) and VC (integrator configurable)?

A client configurable feature is one that the client can use the internal codes to develop business rules, features, and routines. A VC feature requires the vendor's programmers to have to perform the work.

73. How many active users would be there be for the EDQ and MDM components?

See the answer to question 58.

74. For the EDQ component related to profiling, how many records would be in scope (in rows and columns)? An example estimate might be a row count in the 100k's, millions,

10's of millions, or 100's of millions, etc and the average column count is 50 columns per row.

<mark>See the answer to question 49.</mark>

75. For the EDQ component related to profiling, what percentage of all the source data would come in as a direct database feed versus file feeds?

<mark>At this point all data will come in file feeds</mark>.

76. For the EDQ component related to cleansing functions (such as parsing, matching, etc), how many records would you estimate need to be cleansed?

<mark>Please see Common Answers section at the beginning of this document.</mark>

77. For Address Validation, what country libraries would be in scope for the project? Just the US, or would additional countries need to be included?

<mark>For the scope of this project this will just include US. Additional country verification may be required at a later date.</mark>

78. For the metadata component of EDQ, is there a requirement to see data lineage views connected for all of the metadata involved from sources to targets? How much data governance and business functionality (such as a business glossary linked to technical components) is desired for the EDQ component?

<mark>There is not a requirement to see data lineage but the feature would be useful. Data governance and business functionality is anticipated at the MDM level but the EDQ would need to have the ability for a rules driven engine that was capable of identifying issues, notifying data quality staff of issues, and automatically correcting records where defined in the business rule.</mark>

79. Within Section II. Submission of Proposals a statement is made that "Offerors may not use subcontractors". Does this mean that the product vendors must provide the Services required in the RFP? Or does DCRB want the Prime contractor to provide all of the Services (without subcontracting support) and the procurement of the software/hardware can be procured via a third party? Please clarify.

<mark>See the answer to Question 49.</mark>

80. What is the scope of services required for this contract? Is it installation and configuration of the software or does it include integrating data quality into the application and creating data integration scripts, etc.?

Assistance with integrating data quality and creating data integration scripts are a key component to the effort. Initially the vendor will work to develop these but DCRB's Quality Team should be trained to take over this business function.

81. Please describe hardware currently in use at DCRB, including systems to which the proposed solution will interface.

The initial implementation requires an integrated solution between the three systems identified in the RFP. The source of the data is flat files from the District's PeopleSoft System, and Treasury's STAR PeopleSoft System The offorer is asked to propose the hardware that works best with their solution within the confines of what DCRB has described as the acceptable technologies.

82. Please describe operating systems currently in use at DCRB.

Currently, DCRB leverages Windows , iOS, and Linux. Additional operating systems will be supported going forward.

83. The RFP requires the proposed solution be on Unix or Linux. Please describe the acceptable versions.

DCRB requires the vendor to propose the versions that work best with their proposed solution.

84. Are the business processes for data quality and mastering the information documented? Are any other business processes documented?

Many of the DCRB business processes are documented while others are in progress, the vendor will contribute to the completion of these policies.

85. How many integration points and what type of integrations do you anticipate?

The proposed systems should be integrated with each other, and should be able to receive the flat files from the two sources identified in the RFP.

86. What is the nature of the data? Are schemas available? Does the District have a common schema?

There is not a single schema that is used across all data elements. Each point in the process has a tailored data schema.

87. On page six (6):

"The implemented solution will be required to comply with DCRB's enterprise architecture and must integrate into DCRB's as-is and to-be enterprise architecture and meet the following infrastructure requirements:"

What does "comply with DCRB's enterprise architecture" mean specifically?

DCRB uses and industry standard high-availability disaster recovery solution that is a standard implementation. The solution must meet industry standards and integrate into a standard enterprise environment without the requirement for additional appliances or separate networks.

88. Appendix A: Business Requirement ID #1 (BR #1) mentions the word "etc." what does that mean, i.e., what other databases?

The statement references other industry standard databases such as SQL Server, Oracle, and other proprietary databases as necessary.

89. Appendix A: Business Requirement ID #2 (BR # 2) – *"Integration with Standard Application Systems: The solution shall be able to integrate with PeopleSoft, SharePoint, FileNet, and other data warehousing solutions"* Does this include any type of integration? Is File-based is okay?

To clarify DCRB expects a SOA enabled solution that will use web services to communicate as such future communication with other systems will be in that format.

90. Appendix A: Business Requirement ID #9 (BR # 9): in regards to connectivity to non-traditional source types – what types of non-traditional sources?

No nontraditional sources have been identified as of yet but growth potential indicates that it may be needed.

91. Appendix A: Business Requirement ID #22 (BR # 22) Please define "handle"? Does it mean to consume or ingest or perform optical character recognition?

This solution will not be required to handle OCR.

92. Please provide size(s) of databases, flat files, and other sources of data.

93. How many employees and retirees are currently in the system? What is the expected growth rate per year?

Please see Common Answers section at the beginning of this document.

94. What are the retention periods?

To be determined by both data archiving process and legal requirements.

95. What is the archiving strategy?

To be determined by both data archiving process and legal requirements.

96. The RFP states SCRB has licenses needed for the Oracle Data Base. Is the same true for VmWare or if a virtualized solution is proposed, will additional VmWare licenses be needed?

No additional VMware licenses will not be needed.

97. Is DCRB open to other, non-VmWare virtualization technologies which offer significant savings? On non Intel-based hardware? On Intel-based hardware?

DCRB will consider other options for virtualization and hardware solutions.

98. DB Workload – number of transactions per second/hour?

To be calculated as part of the analysis phase.

99. Number of DB Environments required?

A minimum of 2 are required.

100.   Storage sizing:

- Amount of data to be stored for each environment (Prod, non-prod, DR)?

- Duration of data retention?

- Rate of data growth?

Please see Common Answers section at the beginning of this document.

101.   Does DCRB wish to utilize any existing Oracle licensing for the DMS?

DCRB has existing licensing with Oracle that will be utilized.

102.   Question for requirement relating to "Connectivity: Emergent Data Types/Semi-Structured Data: The soution shall connect to data stored in non-traditional source types, such as web sites, Microsoft Office productivity tools, and content repositories such as FileNet 5.1, SharePoint 2013, Tamale RMS, Dynamics GP, and other tools used by the agency."

- What is meant by "connect"? API, Adapter, File, other? Please define requirement.

DCRB expects the solution to communicate utilizing the service bus, with standard webservices requests.

103.   Is there a requirement to encrypt MDM, EDQ, ESB data stored in the Oracle databases?

Yes, security is a major concern of the agency, thus a proposal to encrypt the data would be considered.

104.   Please confirm that phase 1 is only the integration of the two peoplesoft instances, not any of the other sources mentioned.

The project is not integrating PeopleSoft systems. Instead it is importing the data into the DCRB Master Data Management system. The two initial data feeds will be flat file format sent from the District and from US Treasury.

105.   what versions of peoplesoft are being used by the district and treasury.

Not applicable, the feeds will be flat file csv files and there will be no direct integration with PeopleSoft.

106.   Please clarify how much data will be sent from the two peoplesoft systems for initial and ongoing loads.

Please see Common Answers section at the beginning of this document.

107.   Will the Peoplesoft data from the 2 sources be sent every 2 weeks after payroll?

The PeopleSoft data from the District is every two weeks, and the data from the Treasury STAR system will be received on a weekly basis.

108.   Please provide more info on the "OPM" system mentioned on page 6. What data will it provide, how much, how often, what is it expecting back, in what format, real-time and or batch? This system is not shown in the matrix of sources so not sure what to do with it. We assume this is not part of phase 1 but please confirm.

109. Please provide more information on the member portal requirements? are you expecting members to maintain their own data directly in the portal? who is creating this portal, when will it be online, when will it be integrated (in which phase)?

110. Your timeline seems to indicate that you want to install the software by the end of 2014 and be live by the end of march 2015. is that just with the peoplesoft data in batch only? The timeline from project start to go-live seems very short – please expand on the overall project timeline some more.

111. Per the timeline question, do you see the install of the software as the start of the project or does the project start before? If before, when is the start?

112. Please provide more information on the need to store fiscal information in the MDM. When is this expected and why?

113. What data is the treasury system expecting back and why? In which phase?

114. Is the SFTP really another source of data or the means by which flat file data will be sent to the MDM (we assume it's the mechanism to send data but the document seems to convey it differently)? If it's a source of data, please clarify what type of data

will be sent by the SFTP system, how much for initial load and then expected ongoing volume. Which phase do you see this happening in?

SFTP will be used to send and receive file sets such as CSV, XML, JSON, etc.

115.   Please provide more information on what the filenet system is expected to contribute to the MDM and what it expects back from the MDM. Which phase will this happen in?

During the initial implementation of the MDM the FileNet system will not contribute information to the MDM, but in later currently unidentified phases integration will be made to FileNet to validate member id, name and address, and birth date.

116.   Please provide information on the expected number of records in filenet for initial vs ongoing load

No integration is expected to FileNet during this phase.

117.   Is your expectation to use sharepoint as the workflow solution for the MDM or will it be providing data to the MDM? Please provide more information on exactly what the sharepoint system intends to share with the MDM and receive back from the MDM as this is not clear. Which phase is this planned in?

SharePoint could be potentially used for workflow, but DCRB would prefer the offerer to suggest a solution that works with their product.

118.   you mention that the mdm system will "eventually" be used to store investment information including financial transactions. MDM systems are not typically used to store transaction data so please can you elaborate on your need to store transactions in MDM?

DCRB plan to store active member contributions, and retiree annuity in the MDM, as such accommodations should be made to allow that to happen.

119.   Please clarify your needs around production support. we assume that your support organization will take over production support for the solution at phase 1 go live. if this is inaccurate, please specify for how long you would like us to provide production support

The first phase of support will last for one year. Additional support periods will be negotiated on an as needed basis.

120.   On page 16 you mention that the offerer shall install hardware and software. do you really need us to prepare and provision the hardware too or was that a typo because usually we install the software on hardware that has already been provisioned. Please advise.

Depending on the equipment and the standardization of configuration, the expectation is that DCRB will be provisioning. However, in the event that the system is non-standard or there are best practices to be employed we ask that the vendor include this in their proposal as a recommendation.

121.   how many environments are you planning to provision for this system (e.g. dev, qa, uat, training, dr, production)?

DCRB anticipates that the system will be provisioned with high availability for the production environment, and an instance each for development and test.

122.   Please expand on your standard testing methodology and typical timeline for formal testing of enterprise applications in your environment. This varies greatly based on different customer methodologies and any additional information you can share on your approach will be helpful.

DCRB follows an agile software development process and leverages quality approaches appropriate to the project. Because of the complexity of this project a recommendation on best practices for testing the system should be outlined.

123.   When do you plan on awarding the contract?

September 31, 2014

124.   When will the PIMS be integrated into the environment?

It is expected to be implemented within a 5 to 7 year time frame.

125.   You mention that all internal systems will send and receive data via XML. Can we assume that you will make all the changes to the necessary systems to output the XML messages?

No, the ESB will transform all formats into XML and will transmit XML

126.   Do you already have a roadmap created that documents which sources will be integrated in which phases of the implementation? If so, please can you share it. if not, are you looking for help in creating this as part of the project?

A brushstroke outline has been designed but as part of the design phase a realistic plan would be a deliverable.

127.   The RFP makes multiple references to the Data Management Project helping to facilitate the modernization of DCRB's pension and benefit administration needs. This RFP also identifies a need for a pension information management system. Does this RFP fulfill the District's need for a PIMS or lay the groundwork for a new PIMS in the future?

This RFP lays the groundwork for collecting data that will be consumed by a PIMS at a later time.

128.   The RFP makes multiple references to the Data Management Project helping to facilitate the modernization of DCRB's pension and benefit administration needs. This RFP also identifies a need for a pension information management system. Does this RFP fulfill the District's need for a PIMS or lay the groundwork for a new PIMS in the future?

This RFP lays the groundwork for the implementation of a PMIS system and is the first stage. Selection of an PMIS system will be done at a later date.

129.   Are copies of the district's contracts for its PeopleSoft HR and STAR system available for review?

Copies of the contracts are not available for review.

130.   Is there a defined budget associated with this project?

GCFE have been provided based on research performed by the team.

131.   What is the volume and frequency of records that will be flow through the ESB layer?

Initially the ESB will receive communications on a scheduled basis but as integration increases it will expand to be real-time communication freeway

132.   How many business rules would be defined for the Data Quality layer?

The number of business rules is unknown and will be based on the capabilities of the system implemented

133.   Are Master data entities need to be identified as part of the project OR whether they are already been identified?

Master data entities are the members themselves and all correlating records.

134.	Will Systems be hosted at the DCRB site?

135.	What is the frequency of the feeds from Source systems (ie. DC Peoplesoft, STAR etc). Is it nightly, weekly or monthly?

136.	Will there be a separate independent testing team to test the implementation by the selected vendor?

137.	Since you would be using EBUS to orchestrate the ETL processes, is it a correct to assume that you would be processing data in real-time and not in BATCH?

138.	Are you looking for Real-time Bi-directional Synchronization between different systems using EBUS / MDM?

139.	Are you looking for Event Driven or Process Driven approach?

140.	Within your organization, do you have EBUS already installed? If so, can we use the existing installation of ebus for orchestration?

141.	The overhead of translating the payroll period relational database extracts into XML for the ESB to send to the EDQ application that may then have to translate the XML back to relational data and then to have repeat this process to send data from EDQ to the MDM may compromise scalability and performance of the system. Would DCRB consider using more traditional data extracts and transfers for these bulk payroll period activities?

142. Does DCRB desire to manage different domains (e.g. customer and financial investment information) within the same MDM infrastructure?

143. DCRB ascribes some functions in EDQ that may be more efficient to take place in an MDM product (e.g. EDQ 51: Manual Override, EDQ 59: Householding, EDQ 60 – 63: Matching and Merging, EDQ 88-93 Matching and Stewardship). Is DCRB open to executing these requirements in the MDM product?

144. Could DCRB clarify the requirements of logging access to PII, is it sufficient to log changes and updates to PII or does every system (i.e. ESB, EDQ and MDM) require that all read access to records or XML that contains PII is logged?

145. What versions of PeopleSoft are in production for DC's HR system and Treasury's retirement system (STAR)?

146. For the source systems that are sending data to the ESB, could you estimate how much data is being sent? (# of files, # of total GB's, etc, for example). Is there an estimate on how quickly the data needs to be imported into the new system? (for example, DCRB requires that the source data needs to be imported at 100GB/hr, a nightly load needs to take less than 2 hours, etc.)

147.　　　How much image data is being stored in FileNet?

Demographic data for the Annuitant will be stored in the FileNet system.

148.　　　Can you estimate how much data will be fed to the EDQ and MDM systems?

Please see Common Answers section at the beginning of this document.

149.　　　Could you estimate the number of master data records that the MDM component will need to manage?

Please see Common Answers section at the beginning of this document.

150.　　　On page 19 of the RFP, it is stated that "Offerors may not use subcontractors". But the price proposal spreadsheet has a tab for Subcontractor Costs. Can the companies responding to the RFP use subcontractors for portions of the work (for example, using some technical resources from the software vendors)?

See answer to question 49.

151.　　　Would you be able to send Functional Requirements in Appendix A in Excel format since that is the requested format for submission?

A Word format will be made available on the Agency website.

152.　　　The RFP states that "DCRB to select a single software (integrator) offeror and solution(s) for its ESB, EDQ, and MDM solution". Are you seeking a software vendor as the "integrator" or a services firm as the integrator? For the three components of the solution (ESB, EDQ, MDM), is DCRB seeking to have these products all come from the same software vendor?

See answer to question 49.

153.　　　RFP states "DCRB currently has Enterprise licenses for Oracle". Are these Enterprise licenses limited to Oracle databases?

DCRB leverages Enterprise licensing as a purchasing strategy so other software may also have Enterprise licenses if it is in use in the DCRB environment.

154. For the Functional Requirements in Appendix A, could you provide more information or an example of the difference between CC (client configurable) and VC (integrator configurable)?

<mark>A client configurable feature is one that the client can use the internal codes to develop business rules, features, and routines. A VC feature requires the vendor's programmers to have to perform the work.</mark>

155. How many active users would be there be for the EDQ and MDM components?

<mark>Please see Common Answers section at the beginning of this document.</mark>

156. For the EDQ component related to profiling, how many records would be in scope (in rows and columns)? An example estimate might be a row count in the 100k's, millions, 10's of millions, or 100's of millions, etc and the average column count is 50 columns per row.

<mark>Please see Common Answers section at the beginning of this document.</mark>

157. For the EDQ component related to profiling, what percentage of all the source data would come in as a direct database feed versus file feeds?

<mark>Initially all data will come in as file feeds and over time feeds will link to both database and file feeds.</mark>

158. For the EDQ component related to cleansing functions (such as parsing, matching, etc), how many records would you estimate need to be cleansed?

<mark>Please see Common Answers section at the beginning of this document.</mark>

159. For Address Validation, what country libraries would be in scope for the project? Just the US, or would additional countries need to be included?

<mark>Address Validation for just US is in scope for this project.</mark>

160. For the metadata component of EDQ, is there a requirement to see data lineage views connected for all of the metadata involved from sources to targets? How much

data governance and business functionality (such as a business glossary linked to technical components) is desired for the EDQ component?

161.   We understand DCRB Program was initiated to modernize the service process along with the procurement of toolset to accommodate the transformation, Validation, Verification and Merging of Data from PS System into DCRB system, but wondering if the existing processes is already doing 'all' or 'Some' of this functionality without using tools, just by leveraging traditional Database methods and data communication systems.

162.   As we would be loading the data after transformations and validations to existing DCRB authoritative datasets, need to understand what database design is being followed (dimensional model/ normal form for database design) for this target datasets. It would be good to know the database that is holding People Soft data and also great if we could confirm all of the target DCRB is using Oracle as the database.

163.   What percent of datafeeds will be in XML,CSV etc (like 50% XML feeds and 50% CSV feeds or something else)

163.   In the case of tracking, logging and monitoring of incomplete read of data from PS System and write to DCRB dataset what kind of alerts were expected and which scenarios data read and load can be completed and in which cases they should be aborted needs to be discussed down the line, if not right no

==various addresses based on the business rule established. Finally, whatever interface is provided for Quality Engineers to work with the system should be notified and have the ability to respond to these alerts.==

164.   Would it be possible to get an Excel copy of the Technical Requirements?

==The technical requirements will be made available on the Agency website in a Word format.==

165.   For this RFP we have reached out to a few additional Informatica partners /integrators to submit a proposal for this RFP that were not included on the initial list provided to DCRB. One of our local partners that has expressed interest is Qlarion. I have listed their contact information below. Could you please confirm that we are able to include them as bidder for this RFP?

==There are no restrictions on bidders other than what is identified in the RFP==

166.   In regards to DCRB's RFP for Implementation of a Data Management Solution, is there any chance that you can provide Appendix A (Functional Requirements) in an editable format? (i.e. Microsoft Excel or Word)

==The technical requirements will be made available on the Agency website in a Word format.==

167.   We understand that the ESB, EDQ and MDM solutions must be optimized to run on an Oracle database and DCRB currently has Enterprise licenses for Oracle that will be used as required for this RFP. However, please clarify the total number of licenses DCRB has got and its nature. Has DCRB got any extra cost feature licensed? What is the Oracle Database version that you would be considering?

==The number, type, and quantities of licenses that DCRB holds is proprietary. We will consider the two newest versions of the software.==

168.   Are you considering shared Oracle Home set up for ESB, EDQ and MDM ? Or they should be running seperately?

==Vendor should propose a strategy for the solution.==

169.   "We understand that the database architecture must support active/active (utilizing Oracle Dataguard) synchronization. Please clarify whether it should be active/active for read/write operations or only required for read operations.

Read/write is required for all operations

170.   Do you consider any other Data management solution other than Oracle?

DCRB has not selected a solution, any solution can be proposed.

171.   Is there a high level documentation of the Rules to be enforced on the feeds, or will that be included in the Requirement Analysis Phase ?

Development of the business rules will all be part of the initial analysis phases and will be maintained as up-to-date documentation.

172.   Is there any non functional requirement related to the Data Quality Validation for the feeds ?

No specific requirements have be identified

173.   Is Address Cleansing in Scope ?

Yes Address Cleansing is in scope

174.   Is De-dup considered in scope?

Yes de-dup is in scope.

175.   Is there any confidentiality requirement for data profiling and cleansing? Please let us know the detail requirement in case the answer is yes? Will the data fields be masked and require any other special handling?

All vendors and staff will need to be approved through DCRB's normal vetting process to have access to data. No data rights will be given to anyone without acceptance of DCRB PII and Security policies

176.   How many subject areas (e.g. Customer, Product etc) are in scope for data standarizaton? How many source systems to be considered per subject area? Also for each source how many data files to be considered & what is the type of file? Is standard library available for each master data standarization?

Initially retirement members (not a standard model) will be used. Over time, additional data models will be added to the same systems.

177.   What is the format in which the feeds will be received ?

Feeds will come through many forms. Initially CSV files will be placed on the SFTP site for upload.

178.   What are the languages in scope of Data Profiling and Cleansing ?

Vendors may recommend languages for the Data Profiling and cleansing

179.   What are the systems that needs to be integrated with ESB? Please share the service catalogue (list of integation points/interfaces if you already have).

Please see Common Answers section at the beginning of this document.

180.   What is the product you are considering for implementing the ESB?

DCRB is considering all solutions offered through the RFP

181.   What are the products you are considering for implementing monitoring, business rules and service governance?

 A governance model will be defined once the solution has been defined.

182.   Are you considering implementing any services/security gateway?

DCRB currently has a complete dual site HA infrastructure with services and security gateways.

183.   There is a mention of BPEL in the RFP doc. Are there any workflow requirements ? If yes, what is the product you are considering for the implementation of BPELs/workflows

184.   Are you envisaging any policy enforcement of PII in the ESB ?

Yes. PII must be enforced throughout the suite of products and for all third party tools.

185.   In the question 24 in 'ESB requirements section, it is mentioned that the solution shall provide data extracts in multiple formats such as Excel, CD..DVD ..etc' Does this mean the ESB solution should be able to read the contents of Excel, CD and DVD ? Please clarify

Yes, the system should be able to receive data through any electronic format.

186.   Question 23 'Advanced Semantic Transformation' - Does this mean a transformation solution from one data model to another? Please clarify

Yes. In the event that data is being moved between models there must be a utility that enables the EDQ to transform the data and the ESB to transport it.

187.   Question 9 on Connectivity. what are your specific requirements to connect to non-traditional source types like Microsoft office productivity tools, SharePOint 2013..etc from ESB, which may not have standards based interfaces.

The system must have sufficient capabilities to either leverage third party solutions or to create interfaces where needed. This is applicable for identified software as well as any yet to be established.

188.   "RFP states ""Offeror shall install hardware and software for solution (ESB, EDQ, MDM)"" –
Is Co-ordiantion in procurement of Hardware in scope ? Who will purchase the Hardware? (Refer VII p 29 - requests for Hardware costs as well - Does it mean Offeror has to purchase and procure the Hardware?)"

189.   Does DCRB has any preference for place of performance - offshore (outside US borders) or onshore (with in US borders) or onsite (with-in DCRB premises)

190.   "As per our understanding the commercials should be submitted for
          a) Base Period of 1 year
          b) 3 option periods of 1 year each (post base period)

Commercial proposal for each of the above periods (4 in total) should be submitted as combination of ""Fixed price"" plus ""Level of Effort"" - corresponding to the activities categorized. Is our understanding correct?"

191.   RFP states "install the three systems by the end of the first quarter in Fiscal Year 2015 (December 31, 2014) and to have the systems fully operational by the end of the second quarter (March 31, 2015)" - Can offer or suggest alternative timelines based on the solution proposed OR these dates cannot be moved

192.   Is the EBS , MDM and EDQ applications will be read intensive or write intensive application or both?

193.   Is there any migration or upgrades of existing infrastructure involved along with the current scope

194.	If the solution demands to run unix on non-x86 platform, will other virtualization platforms be acceptable

Yes

195.	Please mention if the sizing of the DR should be same as or lesser than Production environment?

The DR site must be sized and maintained at the same level as production environment.

196.	Please share the details on the specific security requirements for the applications/Data.

Security details will be provided to the approved vendor but DCRB follows normal government standards for security and PII data.

197.	Please share the expected growth rate for application and database for next 3 to 5 years.

DCRB anticipates the expected growth rate for application and database to be 1-3%.

198.	please share total number of users and concurrent users for applications including external users.

DCRB estimates 20-50 users to be active and 5-15 passive users

199.	What is the performance requirement for the infrastructure components

See SLA's in RFP

200.	What are the challenges or business drivers for this requirement?

DCRB will provide the business drivers for this requirement to selected vendor

201.	Please provide the existing environment details and Architecture.

DCRB will provide the existing environment details and Architecture to the selected vendor.

202.	Provide CMDB of existing environments.

203. How many environements required to be built for applications services? For eg: Prodn, DR, Dev, UAT etc

Three environments are required to be built - Production, Development, and Test

203. Where is the DR site, distance and do you require all the systems in the DR site also?

To be provided to selected vendor

204. Please share the SLAs and SOP documents currently used.

To be provided to selected vendor

205. Do you have In house IT team or vendor is managing the IT assets?

Yes. DCRB has an in-house IT team.

206. Is the new environment to be build at same location or any different site?

The new environment is to be built at the same location

207. Do you have HA and DR Solutions implemented for other applications in place in DCRB already ? If Yes, can you please provide details like architecture diagram etc.

Yes, details will be provided to the selected Vendor.

208. Do you have an existing Cluster in Place , if yes ,How many nodes does the cluster have? What is the maximum supported?Is this an active -active or active-passive configuration?

Yes we have cluster system in place. DCRB will provide details to the selected Vendor.

209. Have you identified if all three new applications will be available in the standby site after a disaster in the primary site?

Yes

210.   Is there any single point of failure in your servers and storage architecture? If yes, -

No, there is no single point of failure.

211.   Have you considered eliminating the single point of failure (possibly by building redundancy)?

Yes, we have redundancies.

212.   "Do you have a policy in place for backing up system (i.e. OS)? If yes,

Yes

213.   How frequently is this done?

Daily, Weekly, Monthly and Semi-yearly basis

214.   Do you use native OS tools/utilities for this   backup?

We are not using native backup tools. DCRB has a fully operational enterprise backup system.

215.   Describe the present system used for Data Management. What software is being used for database management? Could you please support this with an As-Is diagram of the existing architecture?

DCRB currently does not have systems in place for the ESB, EDQ and MDM. Oracle enterprise management and SQL Server management studio are the tools currently used by DCRB to manage databases. As indicated in the RFP, all diagrams and existing architecture will be provided to the selected vendor.

216.   What are the major business pain points in the existing system? (Data Quality Issues, Data Duplication Problems, Lead time Concerns, Non Value-Add activities, etc.)

DCRB currently do not have systems in place for the ESB, EDQ and MDM.

217.	What are the data domains for which DCRB want to create a master data repository? E.g - Party/Customer(includes both Individual & Organizations), Product, employee, etc

Party/Customer

218.	"How many Sources of Data are there currently for the domains DCRB wants to master? The high level data flow diagram shows Peoplesoft, STAR, OPM & Member Portal as the four sources. Please confirm.

Yes

219.	What are the data entities required to be mastered from each source? "

Please see Common Answers section at the beginning of this document.

220.	What are the data volumes for each of these sources & are there some rough estimates of the data growth in the next 5-10 years?

See response above

221.	How many attributes does DCRB estimate to be stored in MDM?

Please see Common Answers section at the beginning of this document.

222.	"What entity level information is expected from FileNet/ Microsoft Dynamics GP/Tamale? -

Not Relevant

223.	What scanned images are stored in FileNet?" –

Member documents

224.	What level of information will come from the peoplsoft application? What is the number of atributes? –

Please see Common Answers section at the beginning of this document.

225.	"Are there any specific rules of access/visbility required around the User Interface? If yes, please elaborate"

226.   Does DCRB have a conceptual idea on how many consumers (downstream systems) would consume data from MDM? Is it limited to the four sources only that also act as consumers of master data?

227.   What is the Data syndication from MDM - batch, real time? Are there requirements around the same?

228.   What are the modes in which data would be acquired into MDM - real, NRT, batch?

229.   What is the LDAP tool of choice existing in DCRB which the MDM solution needs to integrate with? -

230.   Does MDM solution need to have capabilities of integrating with SOA layer using industry standard formats such as ACORD,IAA, etc?

231.   How much History data are we going to load in MDM? Do we have data Archival requirements as well?

232.   How do you Define Households? In detailed requirements #60 & #61 there are requirements of merging records found matching, but this requirement also talks about soft linkages. Please elaborate.

233.   """Ensure that access to the Master Data Record is monitored according to PII standards and record all access of the record into secure logs""

a)What is meant by All Access to records?Does it mean changes to a record or everytime someone queries/searches for a record it has to be tracked.

<mark>– Yes</mark>

234.	b)What is meant by Secure Logs? Does it refer to keeping an Audit trail for all changed records?" =

<mark>Yes secured with limited access</mark>

235.	For how many years do we need the Data profiling history –

<mark>Please refer to the summary plan descriptions on DCRB's website that describe the service history a plan member must have to receive benefits. This would provide insight into information necessary for archiving.</mark>

236.	Are we planning to build one single web interface across Data quality & MDM layers? Traditionally both are different tool sets & have their individual UI components. So if requirement is such, we may have to look at an option of custom build web interface.

<mark>DCRB will accept a single or multiple interfaces. Custom data interface will be considered</mark>

237.	Are we planning to have a metadata management solution including storing business glossary etc. as a part of this program? IS there a separate metadata management tool for the same?

<mark>No the MDM will be the base system for metadata information</mark>

238.	What are the third party address validation solutions DCRB is looking at for validating postal discounts?

<mark>Systems that validate zip code versus city or address city and state versus postal code.</mark>

239.	Do we have an idea of how many data stewards we want to keep in production environment to take care of data quality issues through overall solution?

<mark>DCRB will seek recommendations from the Vendor</mark>

240.	"The MDM will eventually be used to also store investment information including financial transactions, company profile data, annual financial reports, stock prices, and daily positions. This additional data model must be supported through a multi-domain MDM solution.

Could you please elaborate the financial or retirement plan oriented requirements inside MDM Hub?

<mark>Salary contribution and pay records are the financial requirements. Please see Common Answers section at the beginning of this document.</mark>

241.   Also, most of the above items are part of transactional information which is highly volatile. Do you plan to capture the same inside MDM Hub?

<mark>The MDM system will store data the EDQ will process for quality and then release it. Data will not be permanently stored in the EDQ</mark>

242.   Is this going to behave like a live reporting system? for example Pensioners can check their current stock holding value any time of the day. Or this is going to be a one time refresh at the end of the day?"

<mark>MDM will feed into a future Pension Information Management System (TBD) that will offer these capabilities.</mark>

243.   What are the different type of hierarchies to be maintained inside MDM hub? Could please elaborate the hierarchy management specific requirement (i.e. what are the common operations to be supported)-

<mark>Please provide the capabilities of your proposed solution.</mark>

244.   Please elaborate on the requirements of probabilistic and partial Search –

<mark>Please provide the capabilities of your proposed solution.</mark>

245.   After a MDM implementation what are the activities which you feel will need manual intervention/ data stewardship?

<mark>Not yet defined by DCRB</mark>

246.   Will the data be stored only in English characters or both English and Non-English characters?

<mark>English</mark>

247.   What are the different workflows and business services which you would like to have in the proposed MDM implementation?

<mark>Not yet defined</mark>

248.	Is there any data governance body in the organization? In the current state, is there a set of common data quality, business rules and data definition? If yes please mention the highlights.

No

249.	Please highlight the specific compliances which you want the proposed solution to address/enable.

Not yet defined

250.	How do you manage and maintain changes in compliance norms? How does the system ensure that changes to these norms are reflected across different systems and channels and interpreted uniformly throughout?

Source systems are owned and maintained by external entities. The consuming systems are owned and operated by DCRB and are governed by our ITIL change management processes

251.	Is there a preference on Application server platform? (JBoss, Weblogic or Websphere)

Please propose the best solution

252.	What are the post-implementation support needs? E.g. ongoing BAU operations, Data stewardship.

Refer to RFP

253.	Can you please let us know about you requirement for support coverage for MDM Application Support?

Refer to RFP

254.	Can you please let us know if there is any requirement of storing data in MDM hub in encrypted format?

Not a requirement but a secure solution should be proposed that includes an encrypted database for us to consider

255.	Do you have any license or selected tools for MDM, EDQ and ESB solution?

No

256.	Cognizant understands that the proposed solution would be on-premise and wants DCRB to confirm this understanding

257.   Is there a established core switching layer at DC and DR, if so what is the technology (1Gig or 10Gig) and OEM ?

258.   Shall vendor can connect the proposed server in existing LAN setup ? If Yes, what present of switch ports are free. Please specify how many 1G or 10 G ports are available?

259.   Is there a need for new network (LAN switch / Routers) solution as part of this rfp ?

260.   Is there any monitoring tool used to measure the performance of the network devices ? Shall vendor leverage the tool to monitor the performance of the network device? Or DCRB expect vendor to propose a new tool?

261.   Shall Vendor reuse the existing loadbalancer for the proposed application setup ? Or DCRB expecting vendor to depoye new Load balancer ?

262.   Please provide an overall network diagram covering all existing sites.

263.   Will Production Quality Test data be provided or will the testing team be responsible for creating the same?

264.   Is there need of any one time data migration and data quality analysis of any historical data stored in peoplesoft

265.   Kindly indicate the total number of rules that are expected to be implemented using EDQ

<mark>To be defined during analysis phase</mark>

266.   Kindly indicate the total number of data correction processes that are expected to be implemented using EDQ

<mark>Unknown, to be defined once analysis has been completed see Common Answers Section of this document.</mark>

267.   Kindly confirm if any Performance Testing is in scope

<mark>Yes, system must meet specified SLA values</mark>

268.   Please provide the total number of feeds in scope for this project?

<mark>To be determined</mark>

269.   What are the formats in which the feeds are expected?

<mark>CSV, XML, JSON, etc.</mark>

270.   "Is there any additional feeds in scope for EDQ in addition to the below? Please provide the number of such feeds?
    a. District of Columbia's PeopleSoft Human Resource system for active members
    b. U.S. Treasury's PeopleSoft system on retired members"
    c. Please provide an indicative number of attributes in each of the feeds to be processed by EDQ

<mark>Please see Common Answers section at the beginning of this document.</mark>

271.   Are there any specific testing methodology requirements (parallel testing, etc..)?

<mark>No</mark>

272.   Will there be a dedicated environment for system testing / SIT. Kindly confirm

<mark>Yes</mark>

273.   If performance testing is in scope, please confirm if a dedicated performance testing environment will be provided?

<mark>Yes</mark>