



RETURN BIDS TO:

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**LETTER OF INTEREST
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Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Francis Lapalme	Buyer Id - Id de l'acheteur 633e1
Telephone No. - N° de téléphone (873) 469-4985 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	

Instructions: See Herein

Instructions: Voir aux présentes

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Signature	Date

REQUEST FOR INFORMATION

ACQUISITION OF PROFESSIONAL SERVICES FOR SERVICE ORIENTED ARCHITECTURE PLATFORM SERVICES / MASTER DATA MANAGEMENT SERVICES / ENTERPRISE RISK ASSESSMENT SUPPORT SERVICES

FOR

CANADA BORDER SERVICES AGENCY (CBSA)

A.1 Background and Purpose of this Request for Information (RFI)

The intent of this Request for Information (RFI) is to solicit feedback from industry on all aspects detailed in the draft Annex A - Statement of Work (SOW), the draft Annex B - Bid Evaluation Criteria and the draft Annex C - Resources Assessment Criteria and Response Tables.

Following feedback that will be received in response to this RFI, it is the Government of Canada's intention to publish a Request for Proposal (RFP) that will include these three (3) documents mentioned above.

The main objectives of this RFI are as follows:

- A) Provide industry with an early opportunity to assess and comment on the CBSA requirement in order to maximize best value to Canada should a RFP be posted;
- B) Determine the capability of suppliers to provide services described in this RFI;
- C) Solicit feedback and recommendations on any issues that would impact a supplier's ability to fulfill the CBSA requirement; and
- D) Solicit industry knowledge and expertise with regards to best practices that would increase the likelihood of a successful outcome for this project.

Overview

The Government of Canada has a requirement to undertake an ambitious agenda of change in support of various CBSA key initiatives (e.g. Beyond the Border, Entry-Exit, Biometrics/Generic Passage Flow), and border modernization efforts. This requires developing, integrating, and delivering, with procured IBM and Commercial-Off-The-Shelf (COTS) software products, the following key mission-critical, large-scale, high-volume foundational enterprise services: Service Oriented Architecture Platform Services

(SOAPS), Master Data Management Service (MDMS), and Enterprise Risk Assessment Support Services (ERASS).

Together, they will allow CBSA to provide enterprise back-end horizontal capabilities, at an enterprise level, to support the key CBSA initiatives. This will in turn increase CBSA ability to meet its security obligations and increase its efficiency and effectiveness in the management of resources required in support of risk management and assessment activities.

A.2 Nature of Request for Information

The material in the RFI package is for the solicitation of feedback only. Responding to this RFI is not a prerequisite to receiving any resulting RFP related to this CBSA requirement. The industry is encouraged to indicate their level of interest by responding to the questions, in order to facilitate a better understanding of the requirements and capabilities from both CBSA and industry perspectives.

This is not a bid solicitation. The RFI will not result in the award of any contract. As a result, potential suppliers of any goods or services described in this RFI should not reserve stock or facilities, nor allocate resources, as a result of any information contained in this RFI. Nor will this RFI result in the creation of any source list. Therefore, whether or not any potential supplier responds to this RFI will not preclude that supplier from participating in any future procurement. Also, the procurement of any of the goods and services described in this RFI will not necessarily follow this RFI. This RFI is simply intended to solicit feedback from industry with respect to the matters described in this RFI.

A.3 Nature and Format of Responses Requested

Respondents are requested to provide their comments, concerns and, where applicable, alternative recommendations regarding how the requirements or objectives described in the RFI could be satisfied. Respondents are also invited to provide comments regarding the content of the requirement, format and/or organization of the draft Annex A - Statement of Work, the draft Annex B – Bid Evaluation Criteria, the draft Annex C – Resources Assessment Criteria and Response Tables and questions included at Annex D of this RFI. Respondents should explain any assumptions they make in their responses.

A.4 Responses Costs

Canada will not reimburse any respondent for expenses incurred in responding to this RFI.

A.5 Treatment of Responses

- (a) **Use of Responses:** Responses will not be formally evaluated. However, the responses received may be used by Canada to develop or modify procurement strategies or any draft documents contained in this RFI. Canada will review all responses received by the RFI closing date. Canada may, in its discretion, review responses received after the RFI closing date.
- (b) **Review Team:** A review team composed of representatives of the client (where applicable) and PWGSC will review the responses. Canada reserves the rights to hire any independent consultant, or use any Government resources that it considers necessary to review any response. Not all members of the review team will necessarily review all responses.
- (c) **Confidentiality:** Respondents should mark any portions of their response that they consider proprietary or confidential. Canada will handle the responses in accordance with the *Access to Information Act*.
- (d) **Follow-up Activity:** Canada may, in its discretion, contact any respondents to follow up with additional questions or for clarification of any aspect of a response.

A.6 Content of this RFI

- (a) This RFI contains a draft Annex A - Statement of Work, a draft Annex B – Bid Evaluation Criteria and a draft Annex C – Resources Assessment Criteria and Response Tables. These documents remain a work in progress and respondents should not assume that new clauses or requirements will not be added to any bid solicitation that is ultimately published by Canada. Nor should respondents assume that none of the clauses or requirement will be deleted or revised. Comments regarding any aspect of the draft document are welcome.
- (b) This RFI also contains specific questions addressed (at Annex D) to industry.

A.7 Question to Industry

- (a) Respondents are requested to review the draft Statement of Work (Annex A), the draft Evaluation Criteria (Annex B) and the draft Resources Assessment Criteria and Response Tables (Annex C); and
- (b) Respondents are requested to respond to the questions and provide comments on the information provided in Annex D - Format of Response.

A.8 Volumetric Data

The data found at Annex A is being provided to respondents purely for information purposes. Although it represents the best information currently available to PWGSC, Canada does not guarantee that the data is complete or free from error.

A.9 Format of Responses

- (a) **Cover Page:** If the response includes multiple volumes, respondents are requested to indicate on the front cover page of each volume the title of the response, the solicitation number, the volume number and the full legal name of the respondent.
- (b) **Title Page:** The first page of each volume of the response, after the cover page, should be the title page, which should contain:
 - (i) the title of the respondent's response and the volume number;
 - (ii) the name and address of the respondent;
 - (iii) the name, address and telephone number of the respondent's contact;
 - (iv) the date; and
 - (v) the RFI number.
- (c) **Numbering System:** Respondents are requested to prepare their response using a numbering system corresponding to the one in this RFI. All references to descriptive material, technical manuals and brochures included as part of the response should be referenced accordingly.
- (d) **Number of copies:** Canada requests that respondents submit three (3) hard copies of their responses.

A.10 Enquiries

Because this is not a bid solicitation, Canada will not necessarily respond to enquiries in writing or by circulating answers to all potential suppliers. However, respondents with questions regarding this RFI may direct their enquiries to:

Contracting Authority: Francis Lapalme
E-mail Address: francis.lapalme@tpsgc-pwgsc.gc.ca
Telephone: 873-469-4985

A.11 Submission of Responses

- (a) **Time and Place for Submission of Responses:** Suppliers interested in providing a response should deliver it to the following location by the time and date indicated on part 1 - page 1 of this document:

Department of Public Works and Government Services
Place du Portage III, 4C2-51
11 Laurier Street
Gatineau, Quebec K1A 0S5
Attention: Francis Lapalme

- (b) **Responsibility for Timely Delivery:** Each respondent is solely responsible for ensuring its response is delivered on time to the correct location.
- (c) **Bid Receiving Unit Address Solely for Delivery of Responses:** The above address is only for bid submission. No other communications are to be forwarded to this address.
- (d) **Identification of Response:** Each respondent should ensure that its name and return address, the solicitation number and the closing date appear legibly on the outside of the response.

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Buyer ID - Id de l'acheteur
632el

ANNEX A
STATEMENT OF WORK

(SEE DOCUMENT ATTACHED)

Solicitation No. - N° de l'invitation
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ANNEX B
BID EVALUATION CRITERIA

(SEE DOCUMENT ATTACHED)

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ANNEX C

RESOURCES ASSESSMENT CRITERIA AND RESPONSE TABLES

(SEE DOCUMENT ATTACHED)

ANNEX D

FORMAT OF RESPONSE

As the purpose of this RFI is to solicit industry feedback with respect to CBSA requirements, respondents are invited to submit answers in response to the questions below. Respondents are encouraged to submit answers to as many questions as possible; however, the draft Statement of Work, the draft Bid Evaluation Criteria and the draft Resources Assessment Criteria and Response Tables should be taken into consideration when responding to questions.

- 1 - Please state any questions you may have about the draft Annex A - Statement of Work.
- 2 - Would you be interested in submitting a bid to provide the services described in this RFI? Would you have any changes to suggest to Annexes B and/or C that would enable your company to bid on a future RFP? What additional information would you need?
- 3 - What is your opinion of the mandatory and rated criteria for selecting suppliers, described in the draft Annex B – Bid Evaluation Criteria? Do you have any recommendations?
- 4- What is your opinion on Canada's strategy to evaluate a mix of corporate requirements as well as a core team of resources?
- 5 - Please provide any other information that you believe would be useful in preparing an RFP for the services described in this RFI.
- 6- Could you provide only a portion of the categories of resources? If so, which ones?

Annex A - Statement of Work (SOW)

Acquisition of Professional Services for SOAPS-MDMS-ERASS

1. Introduction

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various key initiatives (e.g. Beyond the Border, Entry-Exit, Biometrics/Generic Passage Flow), and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

In order to advance the planning, development and implementation of the CBSA's transformation agenda, ISTB has implemented an enterprise approach to the management of its portfolio of systems, projects and services. The following key steps have been taken to implement this enterprise approach to portfolio management:

- The creation of ISTB Service Portfolio Directorates – Corporate, Commercial, Traveler and Common Services;
- The implementation of a Service Life Cycle Management Framework (SLMF) to help align the provision of ISTB services with the needs of CBSA. The SLMF is used to integrate the methods, processes, roles and responsibilities within ISTB with CBSA's business strategy to deliver value. The SLMF establishes a baseline from which ISTB can plan, build, operate, manage and evolve services; and
- The alignment and implementation of the following frameworks: Project Management, Project Portfolio and Service Life Cycle Management.

As part of this transformation the Common Services Portfolio has been created with the mandate of leading key projects to deliver various new enterprise building block capabilities and services for CBSA. These projects include Service Oriented Architecture Platform Services (SOAPS), Master Data Management Service (MDMS), and Enterprise Risk Assessment Support Services (ERASS). Together, they will provide enterprise back-end capabilities for Entry-Exit and other key CBSA initiatives.

2. Background

The Common Services Portfolio has a mandate to plan, lead and stand up, in multiple releases, key mission-critical, large-scale, high-volume foundational services to deliver increased horizontal capabilities and services for CBSA. The services to be implemented are Service Oriented Architecture

Platform Services (SOAPS), Master Data Management Service (MDMS), and Enterprise Risk Assessment Support Services (ERASS).

The delivery of these foundational services will allow CBSA to increase its ability to meet its security obligations and provide both efficient and effective management of its resources in support of risk management and assessment activities.

2.1 SOAPS

SOA will enable reusable, horizontal enterprise services providing modern, robust, and agile IT services. The CBSA SOA services will be realized by integrating a number of Commercial Off-the-Shelf (COTS) products, augmented by custom development for capabilities not readily available in the market.

The SOA platform services will be a cornerstone of CBSA's information technology systems to promote the development of horizontal services within the enterprise, they will enable re-use of common business function.

These platform services will be used by CBSA Lines of business (LOB) initiatives to develop and deploy IT-enabled business services. COTS products, ESB IBM Integrated Bus (IIB), IBM Business Process Manager (BPM), IBM Operational Decision Manager (ODM) Advanced, and ODM Standard will be used to enable/support the SOA platform services.

2.2 MDMS

MDM will become the authoritative system of record for CBSA's people and business tombstone data and will be critical in enabling a 360 degree view of people and businesses. After the MDM system is put in place, all systems at CBSA will have the ability to integrate with the MDM solution when requiring access to people and business tombstone data.

Stewards responsible for maintaining the MDM data quality will be put in place as part of the initiative and will align to the overall direction for data governance to be provided by the Enterprise Data Governance initiative.

An ingestion service based on IBM InfoSphere DataStage and Quality Stage COTS, under the IBM InfoSphere Information server (IIS) product suite, will be used to feed required data (initial loads and ongoing feeds) from various CBSA data sources into relevant COTS for search purposes.

The MDMS requires the use of the following architecture components:

- The Master Data Management (MDM) component will provide services to maintain and search party information (businesses and people) as well as a user interface to govern the mastered data (data stewardship interface).
- The Data Preparation and Loading Service (DPLS) component will provide services to extract, cleanse, standardize, transform and ingest data during initial load as well as ongoing operational processes.

2.3 ERASS

Enterprise Risk Assessment Support Service (ERASS) will build upon the SOA platform to deliver the Entity Resolution and Search Service providing enterprise services in support of the CBSA risk assessment landscape.

Its primary services relate to identity resolution, fuzzy search, and federated search of information related to a specified person across multiple LOB systems. ERASS is dependent on MDMS and SOAPS as a result of service provisioning and utilization amongst them.

ERASS will leverage MDMS for entity resolution, data preparation, and data loading services. ERASS will also require the ESB component within SOAPS to host the public interface and processes that comprise the services offered by ERASS.

Additionally, ERASS will make use of Informatica SSA Name 3 as a component of the Fuzzy Search Service. Relationship resolution is an additional service offered by ERASS which will provide obvious and non-obvious relationship discovery capabilities for ingested entities. The Relationship Resolution Service (RRS) will require IBM's InfoSphere Identity Insight (ISII) COTS software product as an architecture component.

2.4 Travellers – Entry/Exit

Entry/Exit will be the initial on-boarder to the components included in the SOA platform services. Entry/Exit is responsible for the development of a key Government of Canada commitment under the Canada US Border Action plan, to create a Canadian entry and exit information system which will, ultimately, provide a valuable new source of information with potential benefits for security, law enforcement and program integrity. The key deliverables of the Entry/Exit Project rely on the ability to identify individuals and recognize if they are known or unknown to CBSA.

The delivery of the Entry/Exit project is dependent on the components found in the SOA platform services. Entry/Exit will leverage the SOA and MDM components to deliver the following:

- Calculating duration of complete Entry to Exit Events.
- Calculating duration of complete Exit to Entry Events
- Calculating duration of open Exit Events.
- Calculating duration of open Entry Events.
- Calculating complete events over specified periods of time.
- Reconciliation of data from multiple sources to create an Entry or Exit Event.
- Determination of mode of transportation.
- Enhanced people name searching and matching support;
- Identity resolution for entities that exist in multiple databases;
- Relationship resolution for entities across multiple databases, and;
- Alerting.

An ingestion service based on IBM InfoSphere DataStage and QualityStage COTS, under the IIS product suite, will be used to feed required data (initial loads and ongoing feeds) from various CBSA data sources into relevant COTS for search purposes.

3. Objective

The specific objective of this procurement is to acquire the professional services on an as required basis to support the work of CBSA in the establishment and integration of the above mentioned key mission-critical foundational services, i.e. SOAPS, MDMS, and ERASS.

It is expected that the Contractor's resources will be used across CBSA. The resources will be involved in the architecture and design, development, configuration, testing, optimization, integration with other related components and systems, deployment, and support and maintenance of the above mentioned foundational services in a complex technical environment using the Crown-owned suite of commercial off-the-shelf (COTS) products.

4. Scope

The scope of work consists of the acquisition of professional services to provide guidance, expertise, deliverables, and assistance to perform the development, deployment, configuration, and integration of the architecture components required for SOAPS, MDMS, and ERASS.

On an as and when requested basis, through the issuance of Task Authorizations (TAs), the Contractor must perform the tasks as described in section 7 below.

To realize this delivery within the time constraints, CBSA foresees a requirement for the assistance of professional services, starting from October 2016 until the end of March 2020, in the following domains: (1) architecture, (2) software development and configuration, (3) system analysis, (4) testing services, (5) business analysis, (6) IT Security, and (7) systems-solutions integration.

CBSA plans to iterate the delivery of the above-mentioned services through phases identified in section 5 below: (1) Planning, (2) Building, (3) Verification, (4) Production, (5) On-Boarding, (6) Maintenance. Each phase will include embedded controls and checkpoints and will require the work of professional services for which categories and tasks are identified below in sections 6 and 7. The resources may be required to perform tasks in any or all of the phases. These services need to be delivered in accordance with CBSA approved methodologies and frameworks.

5. Phases

The work delivery of the above-mentioned services will need to be performed iteratively through phases. Each phase has a set of expected deliverables. Deliverables may include but are not limited to the following:

1. Planning Phase – System Requirements Specifications (SRS), Architecture and Design Specification (ADS), System Use Cases (SUC), System Requirements Traceability Matrix (S-RTM), high level architecture, preliminary User Interface (UI) screens, and master test plan;
2. Building Phase – System components and integration, unit, integration and component test plan, development release notes, ADS, S-RTM, Test to System Requirements Traceability Matrix (TS-RTM), implementation schedule;
3. Verification Phase – Master test plan (fully defined), functional acceptance plan, verification test plan, verification test report, release notes, defects, build book, component and integration documentation, screen captures and hierarchy, ADS, TS-RTM, production implementation schedule;
4. Production Phase – SRS, comprehensive traceability matrix, master test plan, test reports, ADS, operations release guide, release notes, Service Level Agreements (SLAs), build book;
5. On-boarding Phase – client engagement plan, technical qualification and assessment, client readiness and development, integration endorsement and testing, production readiness assessment, implementation schedule, SRS, ADS, SUC;
6. Maintenance Phase – Maintenance system documentation, maintenance component and integration documentation, maintenance performance verification testing, operations services documentation, monitoring and reporting requirements.

6. Resource Categories

The table below identifies the categories of expert resources that CBSA anticipates requiring on an as and when requested basis.

TBIPS Category	Level of Expertise	Area of expertise
Programmer/Software Developer	3	Specialty in IBM InfoSphere Information Server (IIS) DataStage/QualityStage
	3	Specialty in IBM Master Data Management (MDM) - Java development
	3	Specialty in pME (probabilistic Matching Engine) - Matching algorithm development
	3	Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)
	3	Specialty in IBM Business Process Management (BPM) Advanced
	3	Specialty in IBM Operational Decision Manager (ODM) standard and ODM Advanced (which includes Event Management System (EMS))
	3	Specialty in IBM Infosphere Identity Insight (ISII)
Application/Software Architect	3	<i>Specialty in IBM Master Data Management (MDM) Server</i>
	3	Specialty in IBM InfoSphere Information Server (IIS) DataStage/Quality Stage
	3	Specialty in IBM Infosphere Identity Insight (ISII)
	3	<i>Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)</i>
	3	Specialty in IBM Business Process Management (BPM) Advanced
	3	Specialty in IBM Operational Decision Manager (ODM) standard and ODM Advanced (including the Event Management System (EMS))
Test Coordinator	3	Specialty in Test coordination of the following Products: IBM MDM, IBM IIS DataStage/QualityStage, IBM ISII, IBM IIB-ESB, IBM GNM, IBM ODM Standard and ODM Advanced
Business Analyst	3	Specialty in IBM Master Data Management (MDM) - Data Governance.
Technology Architect	3	IBM Master Data Management (MDM) configuration/release management
	3	IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) configuration/release management

7. Tasks and Activities

This section describes the categories of expert resources and the basic responsibilities for each that CBSA anticipates will be required to build, integrate, test, and deploy a large-scale integrated SOA, MDM, and ERASS foundation. The Contractor may be required to perform the tasks and produce the deliverables identified, but not limited to, the lists provided below. Each individual Task Authorization (TA) will detail the specific tasks and deliverables to be completed.

7.1 Programmer / Software Developer

The resources identified may be required to participate in any or all phases identified in the Scope section above.

7.1.1 Specialty in IBM InfoSphere Information Server (IIS) DataStage/QualityStage

Tasks (may include but not limited to the following) -

- Develop DataStage extract, transform, and load (ETL) jobs using the DataStage ETL scripting language to extract source data, transfer data and generate MDM xml requests;
- Develop jobs to extract data from Master Data Management (MDM), and load into CBSA data source;
- Design, develop and test QualityStage name standardization jobs using the QualityStage scripting language based on CBSA name standardization rules provided; and
- Perform integration with the following: IBM Enterprise Service Bus, IBM Integration Bus (ESB-IIB), and MDM.

Deliverables (may include but not limited to the following) –

- Detailed design documents for all customized code and/or configuration solution components for Extract, Transform, and Load (ETL) jobs using IBM IIS DataStage;
- Detailed design documents for all customized code/configuration solution components for ETL jobs using IBM IIS QualityStage;
- ETL jobs for:
 - CBSA MDM data ingestion from source databases; and
 - Loading MDM CBSA entity identification to source system.
- QualityStage jobs for CBSA name standardization; and
- Loading MDM data into MDM downstream systems such as Enterprise Data Warehouse (EDW) or Business Intelligence (BI).

7.1.2 Specialty in IBM Master Data Management (MDM) - Java development

Tasks (may include but not limited to the following) -

- Review of MDM detail design document in order to confirm/identify implementation approach;
- Design and develop IBM MDM server solution components including web service customizations and user interface customizations using Java technologies;
- Design and implement system integration components to integrate the IBM InfoSphere MDM server solution with CBSA business systems and third party reference data sources;
- Document the processes and steps needed to build, administer and support all tests, development and production environments;
- Perform MDM knowledge transfer to CBSA application support team;
- Perform the activities required for solution implementation, integration, and operation in production;
- Perform defect analysis and create new requirements as required;
- Modify service/solution design, as necessary;
- Confirm continued operation of integrated service/solution;
- Integration with IBM Integration Bus (IIB) - Enterprise Service Bus (ESB);
- Integration IBM InfoSphere Information Server (IIS) QualityStage/DataStage; and
- Package fixed/enhanced solution for redeployment.

Deliverables (may include but not limited to the following) –

- System requirements, System Use Cases;
- Application code, including customizations;
- Updated detailed design documents;
- Developed, integrated and tested MDM component working with an approved interchange data format; and
- MDM server solution component packaging and promotion strategy document.

7.1.3 Specialty in pME (probabilistic Matching Engine) - Matching algorithm development

Tasks (may include but not limited to the following) –

- Lead business requirement gathering on party matching scenarios;
- Design and implement IBM MDM server business rule configurations including pME matching rules, duplicate suspect processing rules, data survivorship rules, business validation rules;
- Customize and fine tune MDM pME matching algorithm based on business requirements;
- Review matching result with business team;
- Support MDM initial load and incremental process; and
- MDM pME matching algorithm developer will be provided with CBSA data source to MDM data mapping document, and subset of CBSA production source data.

Deliverables (may include but not limited to the following) –

- System Use Cases, system requirements;
- Detailed design documents for all customized code / configurations for IBM InfoSphere MDM server related solution components;
- High Level Design document for pME rules, duplicate suspect processing and data survivorship rules;
- Application code, including customizations;
- pME configuration;
- Unit, integration and system test plan documents and customized code, and configuration solution components for IBM InfoSphere MDM Server related solution components;
- IBM InfoSphere MDM server solution component packaging and promotion strategy document;
- Fully configured and tested probability Matching Engine (pME) working with an approved interchange data format and matching business requirements; and
- Other analysis, advice, and guidance as required.

7.1.4 Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Tasks (may include but not limited to the following) -

- Provide CBSA with expert technical expertise and guidance on developing rules for the IBM SOA Suite Integration Bus platform:
 - Integration of IBM IIB with other IBM SOA suite components (BPM, ODM Standard and ODM Advanced) as well as current and future CBSA information systems;
 - Implementation of Integration solutions using IBM IIB including design, development, testing and deployment of Integration Applications, integration libraries and message flows; and
 - All aspects of testing of solutions developed for the IBM Integration Bus including functional, integration and performance testing.
- Develop best practices and development guidelines;
- Perform performance optimization of Message Flow solutions for IBM Integration Bus;
- Provide best practices and guidelines for component, integration, and performance testing of integration solutions implemented using the IBM IIB;
- Test planning for unit and component testing; and
- Development of developer training material.

Deliverables (may include but not limited to the following) –

- Deployable Integration Applications and libraries developed to CBSA Standards and using CBSA development infrastructure;
- Detailed Design documents for all customized code/configurations for IBM IIB – ESB related solution components;
- Best practices and guidelines documentation;

- Test Plans;
- IIB-related system use cases and system requirements documents; and
- Developer training material documentation.

7.1.5 Specialty in IBM Business Process Management (BPM) Advanced

Tasks (may include but not limited to the following) -

- Provide CBSA with expert technical expertise and guidance on the following topics:
 - Integration of IBM BPM with other IBM SOA Suite components (IIB, ODM Standard and ODM Advanced) as well as current and future CBSA information systems;
 - BPM performance optimization
 - Automated business process execution using IBM BPM including process analysis, process authoring, process application development, testing and deployment;
 - Performance optimization and troubleshooting;
- Provide best practices and development guidelines;
- Design and development of business process orchestrations targeted at the IBM SOA suite toolsets using the IBM SOA development toolsets; and
- Development of developer training material.

Deliverables (may include but not limited to the following) –

- Deployable business process applications developed to CBSA standards and using CBSA development infrastructure;
- Detailed design documents conforming to CBSA SLMF template requirements; more specifically the required ADS section for business process applications;
- Planning for and analysis of results from unit, component and other related test plans for business process applications;
- Documented guidelines and best practices related to business process development;
- BPM-related system use cases and system requirements; and
- Developer training material documentation.

7.1.6 Specialty in IBM Operational Decision Manager (ODM) standard and ODM Advanced (which includes Event Management System (EMS))

Tasks (may include but not limited to the following) -

- Provide CBSA with expert technical expertise and guidance on the following topics:
 - Integration of ODM and ODM Advanced with other IBM SOA suite components (IIB and BPM) as well as current and future CBSA information systems;
 - Automated decision making using ODM Standard including rule development, rule flow development, rule application testing and deployment;

- Automated triggering of business processes and/or notifications based on event pattern matching using ODM Advanced including event pattern design and development, event application testing and deployment;
- Performance optimization and troubleshooting; and
- Provide best practices and development guidelines.
- Planning for and analysis of results from unit, component and other related test plans for business rule applications;
- Assist CBSA with the design and development of:
 - Business Object Models (BOM); and
 - eXecution Object Models (XOM).
- Development of developer training material.

Deliverables (may include but not limited to the following) –

- Develop deployable business rule applications (including BOMs and XOMs as required) developed to CBSA standards using CBSA development infrastructure and processes.
- Detailed design documents conforming to CBSA SLMF template requirements (specifically the ADS Part 4) for business rule applications;
- Test plans;
- Developer training material documentation;
- Documented guidelines and best practices related to Business and Event Rule Development; and
- BRMS-related System Use Cases and system requirements.

7.1.7 Speciality in IBM Infosphere Identity Insight (ISII)

Tasks (may include but not limited to the following) -

- Package Service solution for deployment;
- Perform initial and ongoing data ingestion;
- Design and develop integration points with new data sources;
- Configure deliverables to integrate into CBSA testing environment;
- Tune performance of solution (including data review and validation);
- Tune solution to meet non-functional requirements;
- Conduct functional and non-functional testing in CBSA environment; and
- Conduct integration testing with CBSA applications and other components include ESB-IIB, MDM, IIS DataStage/DataQuality.

Deliverables (may include but not limited to the following) –

- Application code, including customizations;
- Detailed design documents for all customized code and configuration; and
- System requirements and system use cases.

7.1.8 Specialty in IBM Global Name Management (GNM)

Tasks (may include but not limited to the following) -

- Work collaboratively in a multi-disciplinary project environment contributing significant IBM Global Name Management (GNM) solution expertise;
- Contribute to name standardization rules;
- Document and/or analyze complex business requirements, business rules, System Use Cases and system requirements;
- Design and develop IBM GNM solution components including web service customizations and user interface customizations using Java technologies;
- Design and develop system integration components to integrate the IBM GNM solution with CBSA business systems and third party reference data sources; and
- Contribute to planning and/or execution of performance testing of IBM GNM solution.

Deliverables (may include but not limited to the following) –

- System Use Cases, system requirements;
- Detailed design documents for all customized code / configurations for IBM GNM related solution components;
- High level design document for name standardization rules;
- Application code, including customizations;
- Unit, integration and system test plan documents and customized code / configuration solution components for IBM GNM related solution components;
- Developed, integrated and tested GNM component working with an approved interchange data format; and
- IBM GNM component packaging and promotion strategy document.

7.2 Application / Software Architect

7.2.1 Specialty in IBM Master Data Management (MDM) Server

Tasks (may include but not limited to the following) -

- Provide assistance and guidance to install, configure, and test MDM products to all CBSA environments and document;
- Assist in MDM infrastructure design;
- Review MDM Server components hardware sizing;
- Provide guidance and assistance in performance tuning, load balancing and optimization strategies for IBM InfoSphere MDM Server environment;
- Perform knowledge transfer to CBSA application support team;
- Provide best practices on IBM MDM implementation;
- Assist on MDM/CBSA Data sources data mapping;

- Review MDM data mapping and MDM business functional requirement;
- Review CBSA non-functional requirement;
- Provide MDM high level design and detail design;
- Provide assistance and guidance to the MDM development team;
- Assist the test coordinator(s) with preparing test cases and providing input to test plans to validate final designs;
- Assist the project manager for resource planning;
- MDM security frameworks and integration with CBSA security policy and identity stores;
- Provide guidance for MDM performance tuning; and
- Integration with ESB-IIB, IIS and ISII.

Deliverables (may include but not limited to the following) –

- Design of MDM environment integrated with IIS server in CBSA data center;
- Installation scripts to install MDM Server on different environments;
- Availability, fail-over and recoverability strategies;
- Step by step installation documentation with screenshots;
- MDM solution high level design document; and
- MDM components detailed design document.

7.2.2 Specialty in IBM InfoSphere Information Server (IIS) – DataStage/Quality Stage

Tasks (may include but not limited to the following) -

- Review CBSA IIS server installation topology;
- Provide assistance and guidance to install and configure information server products for CBSA including WebSphere Information Services Director of Information Server;
- Ensure proper DataStage/QualityStage project version control is in place;
- Provide technical expertise to install and configure InfoSphere for the integration of IIS components;
- IIS security frameworks and integration with CBSA security policy and identity stores; and
- Provide assistance and guidance to performance tuning, load balancing and optimization strategies for IBM InfoSphere in the context of the MDM Server environment.

Deliverables (may include but not limited to the following) –

- Design documentation for IIS server HA environment in CBSA data center, integrated with MDM server; and
- IIS server step by step installation documentation with screenshots.

7.2.3 Specialty in IBM Infosphere Identity Insight (ISII)

Tasks (may include but not limited to the following) -

- As an IBM ISII subject matter expert (SME), provide technical expertise to install and configure of ISII COTS product;
- Prepare and load ISII repository data and setup ongoing data ingestion;
- Support business and technical teams by providing expertise and advice regarding the ISII product usage to meet the business functional requirements;
- Provide assistance on integration with CBSA applications and other components including ESB-IIB, IIS DataStage and DataQuality;
- Provide expertise in the integration of ISII with IBM MDM system;
- ISII security frameworks and integration with CBSA security policy and identity stores;
- Transfer knowledge through documentation and solution design artifacts; and
- Configure matching rules based on various business requirements.

Deliverables (may include but not limited to the following) –

- Technical work breakdown/execution sequence;
- Design options / recommendations;
- Input to MDM standards, procedures, and data governance;
- Development and implementation strategy; and
- Written analysis, strategic advice, and guidance as required.

7.2.4 Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Tasks (may include but not limited to the following) –

- Provide CBSA with expert technical expertise and guidance on the following topics:
 - Architecture that includes integration of IBM IIB with other IBM SOA suite components (BPM, ODM Standard and ODM Advanced) as well as with current and future CBSA information systems;
 - Infrastructure and application architecture supporting high availability and disaster recovery;
 - Architecture best practices and guidelines;
 - IIB-ESB security frameworks and integration with CBSA security policy and identity stores; and
 - Guidelines, standards and best practices for when to implement business processes on the IBM Integration Bus versus the IBM Business Process Management System.

Deliverables (may include but not limited to the following) –

- Best practices, guidelines, standards and procedure documentation for items listed in the task list using CBSA approved templates; and

- Architecture & Design documentation using CBSA approved templates.

7.2.5 Specialty in IBM Business Process Management (BPM) Advanced

Tasks (may include but not limited to the following) –

- Provide CBSA with expert technical expertise and guidance on the following topics:
 - Architecture that includes integration of IBM BPM with other IBM SOA Suite components (IIB, ODM Standard and ODM Advanced) as well as current and future CBSA information systems;
 - Infrastructure and application architecture supporting high availability and disaster recovery;
 - Architecture best practices and guidelines;
 - BPM security frameworks and integration with CBSA security policy and identity stores; and
 - Guidelines, standards and best practices for when to implement business processes on the IBM Integration Bus versus the IBM Business Process Management (BPM) system.

Deliverables (may include but not limited to the following) –

- Best Practices, Guidelines, standards and procedure documentation for items listed in the task list using CBSA Approved templates; and
- Architecture & Design Documentation using CBSA approved templates.

7.2.6 Specialty in IBM Operational Decision Manager (ODM) standard and ODM Advanced (including the Event Management System (EMS))

Tasks (may include but not limited to the following) –

- Provide CBSA with expert technical expertise and guidance on the following topics:
 - Architecture that includes integration of IBM ODM and ODM Advanced with other IBM SOA Suite components (IIB, BPM) as well as current and future CBSA information systems;
 - Infrastructure and application architecture supporting high availability and disaster recovery;
 - Architecture best practices and guidelines; and
 - ODM security frameworks and integration with CBSA security policy and identity stores

Deliverables (may include but not limited to the following) –

- Best Practices, Guidelines, standards and procedure documentation for items listed in the task list using CBSA Approved templates; and
- Architecture & Design Documentation using CBSA approved templates.

7.3 Test Coordinator

The test coordinator must plan, manage, schedule, coordinate, and control testing activities for multiple integrated systems and products specifically the ones part of the IBM SOA stack. Product specific knowledge is also required as identified below. The resources identified may be required to participate in any or all phases identified in the Scope section above.

7.3.1 Specialty in Test coordination of one or many of the following Products: IBM MDM, IBM BPM, IBM IIS DataStage/QualityStage, IBM IIB-ESB, IBM ODM Standard and ODM Advanced

Tasks (may include but not limited to the following) –

- Provide expertise in all aspects of testing applications developed on IBM SOA stack, including testing of one or many of the following IBM products: ESB flows in IIB, business process automation on IBM BPM, MDM, ISII, IIS, rules and event management in ODM Standard and ODM Advanced;
- Provide advice, guidance for the development of a test strategy, test plans, test scenarios, test cases, unit tests including recommendations for the selection of automated testing tools, and identification of test environment and resources required for testing;
- Develop, prepare and deliver the following documentation: test strategy, test plans, test scenarios, test cases, and test reports templates
- Plan, organize, schedule, and coordinate testing efforts for large enterprise systems, including:
 - Integration testing with CBSA applications and other components including for example: ESB-IIB, ODM Standard, ODM Advanced, MDM, IIS, BPM Advanced, MQ, and HTTP/HTTPS;
 - User acceptance testing (e.g. stress tests);
 - Verification testing of the test environment and tools
 - Ensure alignment of test plan with System Requirements Traceability Matrix (S-RTM)
 - Detailed time and resource estimates required for testing
- Report on test execution and cycles by ensuring completion of test Reports and reporting of bugs found during testing in the bug management system; and
- Complete the test traceability matrix;

Deliverables (may include but not limited to the following) –

- Test Strategy, test plans, test scenarios, test cases;
- Test schedules, test reports, test logs, test traceability matrix;
- Test checklists;
- Test scripts; and
- Verification implementation plan and schedule.

7.4 Business System Analyst

The resources identified may be required to participate, on demand, in any or all phases identified in the Scope section above.

7.4.1 Specialty in IBM Master Data Management (MDM) – Data Governance

Tasks (may include but not limited to the following) –

- Responsible for the establishment, maintenance and execution of master data policies and workflow management, proactively maintain the integrity and accuracy of CBSA master data;
- Establish master data policies and procedures to ensure data meets defined quality targets;
- Understand CBSA enterprise data model and processes to successfully define party attributes within master data databases;
- Establish the policies for setting up, maintaining, validating and cleansing CBSA party data;
- Maintain changes to data process maps, document new processes and support ongoing audit requirement;
- Act as subject matter expert and support CBSA projects to ensure that processes meet data policies and procedures best practices;
- Assist senior manager in defining guidelines and KPI for all master data parameters, and build/maintain a data governance framework;
- Assist MDM teams in the creation of business rules, entities, party attributes;
- Understand CBSA application data model and MDM data model;
- Perform CBSA master data maintenance;
- Resolve duplicate suspect parties in MDM database; and
- Identify and resolve data quality issues.

Deliverables (may include but not limited to the following) –

- CBSA master data governance business requirement documents;
- CBSA master data governance business process and rules documents;
- MDM data maintenance report;
- MDM suspect duplication resolution report; and
- MDM data quality issue and solution report.

7.5 Technology Architect

The resources identified may be required to participate in any or all phases identified in the Scope section above.

7.5.1 IBM Master Data Management (MDM) configuration/release management

Tasks (may include but not limited to the following) –

- Prepare implementation plans in preparation of solution deployments;
- Develop, implement and maintain automated build and load deployment scripts in order to automatically build and deploy MDM code to different environments;
- Maintain and support MDM source code repository;
- Configure and optimize technical installations including the integration of technical components;
- Administer MDM applications in both development and testing environment; and
- Support the integration of ESB, and IIS.

Deliverables (may include but not limited to the following) –

- MDM repository to maintain application source code; and
- Build script to auto build MDM application, and deployment script to deploy application package to each CBSA server environment.

7.5.2 IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) configuration/release management

Tasks (may include but not limited to the following) –

- Work with Software Configuration Management (SCM) team to provide technical solutions to support SCM processes;
- Conduct consultations with stakeholders aimed at firming up and documenting the required infrastructure design integrating IBM IIB and IBM ESB with cross-platform underpinning technologies;
- Implement and maintain SCM tools pertaining to IBM SOA products (IIB, BPM Advanced, ODM, ODM Advanced);
- Perform defect troubleshooting and root-cause analysis;
- Develop, implement and maintain automated build and deployment scripts;
- Install and configure applications in development and QA environments;
- Provide technical solutions for general SCM tasks such as change control, status accounting and auditing;
- Integration with ESB-IIB, MDM, ODM, ODM Advanced, BPM, ISII, MQ, HTTP, and HTTPS; and
- Provide training and support to end users of SCM tools.

Deliverables (may include but not limited to the following) –

- Installation and Configuration recommendations for the deployment of the IBM IIB – ESB and the customized code and configuration solution components for CBSA related infrastructure;
- Installation and configuration recommendations for the integration of ESB-IIB, MDM, ODM, ODM Advanced, and BPM;
- Capacity management plan and strategy;
- Availability, fail-over and recoverability strategies;
- Test cases, test plans and scripts as required;
- Operations guide(s) as required; and
- Other written deployment and implementation strategies as required.

8. Constraints

Professional resources procured through this vehicle will be expected to adhere to the CBSA operating model, following CBSA standards and processes to accomplish their project work. The Contractor's resources will be required to abide by architectural design documents which have been developed and approved prior to the commencement of their services such as Release Proposal, Architecture Design Specification, and System Use Cases. CBSA will provide copies of all templates and policies applicable after contract award.

The professional services resources will be integrated into and collaborating with various CBSA responsibility centers working alongside CBSA employees and other professional contracted resources of varying disciplinary backgrounds.

Knowledge transfer, application code developed for CBSA, and documentation as necessary is expected from all professional resources hired through this vehicle and is required to ensure that CBSA personnel have the knowledge and mechanisms to independently support and sustain the infrastructure deployed through this contract.

Both software and hardware specifications identified in Section 12.2 and 12.3 respectively are provided for information purposes only and may be subject to change. Additional hardware and software components will be included in the applicable Task Authorizations.

Each Task Authorization will identify any additional constraints if applicable.

9. Client Support

The Project Authority will ensure that the Contractor's resource is provided with:

- Security access to the building; and
- Access to relevant project documentation; and
- Workspace and CBSA equipment.

10. Work Location

The location of work will be at CBSA offices in the National Capital Region (NCR). Each Task Authorization will identify the specific work location.

11. Language Requirement

The resources must be able to perform the work and provide any deliverables in English. Each Task Authorization will identify the specific language requirements.

12. Technical Environment

The Canada Revenue Agency (CRA) and Shared Services Canada (SSC) currently provide infrastructure services to CBSA.

12.1 CBSA High-Availability (HA) Environment

Critical CBSA business applications require 24/7 availability and dual data center failover. As such, the computing environment including both infrastructure and software applications must be well integrated in ensuring critical CBSA systems are available at all time. This requires an application ability to mask both scheduled and un-scheduled outages. If required, CBSA standard Relational Database Management Systems (RDBMS) are available to store, report and retrieve enterprise authorized data on the CBSA enterprise platforms as defined by the CBSA technical platform document.

The integration of software applications in a highly available environment, paramount to support the model for the SOAPS, may include, but is not limited to, the following technologies:

- Clustered/redundant Web technologies: WebSphere, and Apache.
- Clustered/redundant DBRMS: DB2 with PureScale.
- Redundant LDAP, SiteMinder, and Identity Manager.
- Load balancer technologies using Apache servers and network appliances.
- Cognos SPSS
- SSA-Name3

12.2 Software/components

Architecture Component	COTS	Version / Platform	DB / Platform	Description
Master Data Management (MDM)	IBM Master Data Management (MDM)	11.5 on Linux	DB2 on Linux	MDM provides maintenance and search capabilities for mastered businesses and people
Global Name Management (GNM)	IBM Global Name Management (GNM)	5.0 or above	N/A	Name structure recognition with cultural backgrounds.
Data Preparation	IBM DataStage (DS) /	IIS 11.5	DB2 on	DS/QS extracts data from

and Loading Service (DPLS)	QualityStage (QS)		Linux	data sources, cleanses, standardizes and loads it into the target database
Business Process Management (BPM)	IBM Business Process Management (BPM) Advanced	8.5.6 or above on Linux	DB2 on Linux	BPM provides business process automation.
Enterprise Service Bus (ESB)	IBM IIB	10 or above	DB2 on Linux	IBM Integration Bus connects applications together. It routes, transforms, and enriches messages from one location to any other location.
Business Rules Management Service (BRMS) / Event Management Service (EMS)	IBM ODM Advanced	8.7 or above	DB2 on Linux	ODM manages the business decision logic that is used by operational systems
	IBM ODM Standard			
Relationship Resolution Service (RRS)	IBM InfoSphere Identity Insight (ISII)	8.1.0 or above	DB2 on Linux	IBM InfoSphere Identity Insight resolves inconsistent, ambiguous identity records into comprehensive entities across multiple data sets
IBM SOA Integrated Development tools	IBM integration Designer, IBM Integration Explorer, IBM Business Process Designer, IBM ODM Rule Designer, IBM ODM Decision Server Event Designer	Various	DB2 on Linux	Set of tool to support the development and implementation of an integrated SOA, MDM, and ERASS foundation.

12.3 Hardware specification

The following table provides the hardware specifications in anticipation of the integrated SOA, MDM, and ERASS foundation implementation and delivery:

Component	Hardware	Specifications	Units
MDM	Server specification	Xeon ES-2650 2x8 with 70 PVU score	
	Servers	Blade (Without VM)	36
		Blade (With VM)	30
	Chassis		6
	SAN Storage	Primary Disk capacity (Gb)	15862.50 (gb)
		Mirrored capacity (Gb)	15862.50 (gb)
SAN ports			
SOA	Servers	Blade 32 cores	8.5625
	Chassis		4

Appendix A – Non-Functional Requirements

Volumetric – expected peak number of transactions per second

The following table illustrates the expected volumes (peak number of transactions per second) that are associated with the functioning services:

Component	Service	Year				
		2016	2017	2018	2019	2020
SOA	ESB	36.54	76.37	77.89	79.45	81.04
	BPM	19.21	19.60	19.99	20.39	20.80
	BRMS	27.35	66.99	68.33	69.70	71.09
	EMS	0.42	0.81	0.83	0.85	0.86
ERASS	ERSS	35.76	36.52	37.30	38.10	38.92

Volumetric – Volumes

Component	COTS	Demand Unit	Release 1	Release 2
MDM	IBM MDM	Created businesses during initial load	6,000,000	N/A
		Peak transactions/second	27	49
DPLS	IBM DataStage	Peak transactions/second	27	49
	IBM QualityStage / AVI	Transactions/second	27	49

Volumetric – ID resolution and reconciliation RP

Reconciliation and identity resolution is tightly aligned with Master Data Management (MDM) services for initial load, and coupled with query functionality for ongoing operations.

- Created people during initial load 63,000,000
- Created new people in 5 years after release 50,000,000

Availability

- The SOA enablement solution system must be highly available for 24/7 service with planned outages of 2 hours/month or 99.9+% operational ability.
- ERASS must be highly available for 24/7 service with 99.5% operational ability.
- MDM must be available 24 hours per day, 7 days per week, and 365 days per year.

Appendix B – Acronyms

Acronym	Description
ADS	Architecture and Design Specification
BI	Business Intelligence
BPMN	Business Process Modeling Notation
BUC	Business Use Cases
CBSA	Canada Border Services Agency
COTS	Custom Off The Shelf
CRA	Canada Revenue Agency
DPLS	Data Preparation and Loading Service
EDW	Enterprise Data Warehouse
EFSS	Entity Fuzzy Search Service
ERASS	Enterprise Risk Assessment Support Services
ERSS	Entity Resolution and Search Service
ESB	Enterprise Service Bus
ETL	Extract, Transform, and Load
GNM	Global Name Management
GoC	Government of Canada
GC SOA	Government of Canada Service Oriented Architecture
HA	High Availability
IIB	IBM Integration Bus
IIS	InfoSphere Information Server
ISII	InfoSphere Identity Insight
ISTB	Information, Science and Technology Branch
KPI	Key Performance Indicator
LDAP	Lightweight Directory Access Protocol
LOB	Line of Business
MDM	Master Data Management
MDMS	Master Data Management Service
NCR	National Capital Region
ODM	Operational Decision Management
pME	probabilistic Matching Engine
RDBMS	Relational Database Management System
REST	Representational State Transfer
ROI	Return on Investment
RP	Release Proposal
RRS	Relationship Resolution Service
SAN	Storage Area Network
SCM	Software Configuration Management
SLA	Service Level Agreement
SME	Subject Matter Expert
SOA	Service Oriented Architecture
SOAP	Simple Object Access Protocol
SOAPS	Service Oriented Architecture Platform Services
SRS	System requirements specification

S-RTM	System Requirements Traceability Matrix
SUC	System Use Cases
SSC	Shared Services Canada
TA	Task Authorization
TS-RTM	Test to System Requirements Traceability Matrix
UML	Unified Modeling Language

DRAFT

Appendix C – Glossary

Acronym/Term	Description
ADS	An Architecture and Design Specification (ADS) document contains architecture and design information. The Architecture definition is contained in Parts 1 and 2; and the Design is captured in Parts 3 and 4.
BPM	Business process management (BPM) is a discipline that uses various methods to discover, model, analyze, measure, improve, and optimize business processes. A business process coordinates the behavior of people, systems, information, and things to produce business outcomes in support of a business strategy.
ETL	ETL is short for extract, transform, and load, three database functions that are combined into one tool to pull data out of one database and place it into another database. <ul style="list-style-type: none"> • Extract is the process of reading data from a database. • Transform is the process of converting the extracted data from its previous form into the form it needs to be in so that it can be placed into another database. Transformation occurs by using rules or lookup tables or by combining the data with other data. • Load is the process of writing the data into the target database.
Master Data Management	Master data management (MDM) of product data solutions are software products that: <ul style="list-style-type: none"> • Support the global identification, linking and synchronization of product information across • heterogeneous data sources through semantic reconciliation of master data • Create and manage a central, persisted system of record or index of record for master data • Enable delivery of a single product view to all stakeholders, in support of various business benefits • Support ongoing master data stewardship and governance requirements through workflow-based • monitoring and corrective action techniques
Project implementation	Project implementation or execution is directing, managing, performing and accomplishing the project work, providing the deliverables, and providing work performance information.
Relationship analytical tool	A system that provides services to analyze identities and their relationship for the purpose of fraud detection and risk assessment.
SOA	SOA is an approach for developing enterprise information systems solutions based on services. SOA is an industry best practice, which promotes open architecture. SOA aims to align information system services with business processes and data to enable re-use of business level functions. SOA is a foundation architecture that will influence systems development across the Agency's line of business portfolios.
GC SOA	The GC Service Oriented Architecture (GC SOA) is a comprehensive reference model that guides the use and adoption of Service Oriented Architectures (SOA) across the Government of Canada.
System integration	It ensures that the various segments and elements of the total system can interface with each other and with the external environment. [Thayer & Thayer European Perspective 1993]

ANNEX B – BID EVALUATION CRITERIA

Technical proposals will be evaluated and scored in accordance with the following evaluation criteria (Mandatory and Rated Requirements). Substantiation of mandatory and point-rated requirements must not simply be a repetition of the criteria, but must explain and demonstrate how the Bidder meets the requirement. Where Canada determines that the substantiation of a mandatory requirement is not complete, the Bidder will be considered non-responsive. In the case of point-rated requirements, unless the Bidder demonstrates that the requirement is met points will not be awarded.

1.0 MANDATORY REQUIREMENTS

1.1 Mandatory Corporate Requirements

Experience and Expertise of the Bidder		Demonstrated Experience (Bidder to insert response)
Criteria	Mandatory Requirement	
M1	<p>The bidder must had one (1) contract for the delivery of informatics professional services, to architect, design, implement, deliver components and/or services and/or configure, integrate existing solutions and/or products to support the development of enterprise back-end capabilities with a Master Data Management (MDM) implementation integrated with back end systems based on a Service Oriented Architecture (SOA), in the context of border and/or security and/or immigration management and/or management. The contract must have had an effective date within the last seven (7) years of the initial solicitation closing date* with a minimum value of \$10M**.</p> <p>A summary of the scope and key responsibilities under each contract must be provided.</p> <p>The above requirement must be demonstrated in a signed letter by the client. The name of the client and the name of a contact person at the client must be provided in the letter. It is requested that an email and phone number also be provided. It is also requested that the description of the informatics professional services be limited to one paragraph and the contract title or serial number be included.</p> <p>*initial solicitation closing date is XXXX-XX-XX.</p> <p>**value is defined as either the amount specified in the limitation of expenditure article of a contract, plus Applicable Taxes or the total price in the contract, whichever is the highest.</p>	

Experience and Expertise of the Bidder		Demonstrated Experience (Bidder to insert response)																		
Criteria	Mandatory Requirement																			
M2	<p>The Bidder must have demonstrated contract experience in supplying all of the following resource categories or similar resource categories, for the required minimum billable days per resource category, within the past seven (7) years prior to the Initial Solicitation Closing Date*. The Bidder must demonstrate the required minimum billable days over up to five (5) contracts.</p> <p>Bidder must provide the completed Appendices A and B of Attachment 2.</p> <table border="1"> <thead> <tr> <th>#</th> <th>Resource Category</th> <th>Minimum billable days per category</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Programmer/Software Developer</td> <td>2200</td> </tr> <tr> <td>2</td> <td>Application/Software Architect</td> <td>1100</td> </tr> <tr> <td>3</td> <td>Test Coordinator</td> <td>300</td> </tr> <tr> <td>4</td> <td>Business Analyst</td> <td>1000</td> </tr> <tr> <td>5</td> <td>Technology Architect</td> <td>1000</td> </tr> </tbody> </table> <p>*Initial Solicitation Closing Date is XXXX-XX-XX.</p>	#	Resource Category	Minimum billable days per category	1	Programmer/Software Developer	2200	2	Application/Software Architect	1100	3	Test Coordinator	300	4	Business Analyst	1000	5	Technology Architect	1000	
#	Resource Category	Minimum billable days per category																		
1	Programmer/Software Developer	2200																		
2	Application/Software Architect	1100																		
3	Test Coordinator	300																		
4	Business Analyst	1000																		
5	Technology Architect	1000																		

1.2 Mandatory Resource Requirements

The Bidder should provide complete details regarding the qualifications, relevant experience and expertise, and linguistic capabilities, if applicable, of the proposed personnel such as “ The experience of the proposed resources must be clearly identified by providing a summary/description of the previous projects worked on, and indicating when the work was carried out and the client”.

Wherever experience is required, the experience of a referenced project must have a minimum duration of three (3) months in order to be accepted.

The Bidder must propose a different resource to fulfill each of the following five (5) anticipated Core Team resource requirements.

1.2.1 Application Architect – Specialty in IBM Master Data Management (MDM)

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Master Data Management (MDM)

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Application Architect – Specialty in IBM Master Data Management (MDM) has:

Criteria	Mandatory Requirement	Bidder's response	
		INSERT PAGE # OF RESUME	Met Not Met

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Master Data Management (MDM)

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Application Architect – Specialty in IBM Master Data Management (MDM) has:

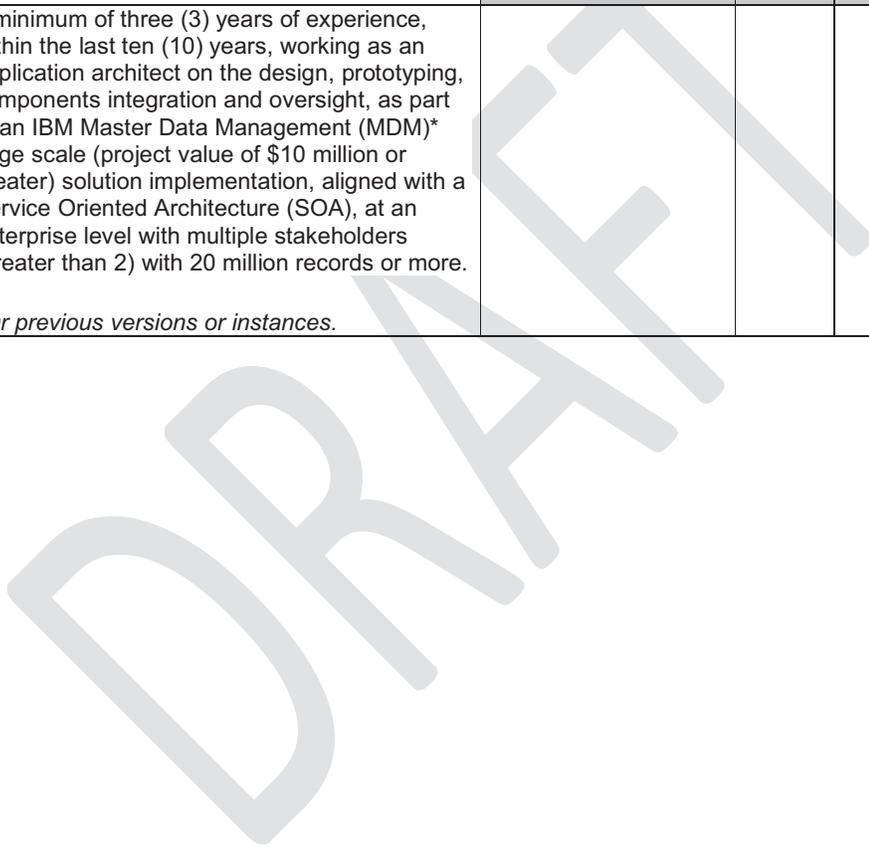
Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as an application architect:</p> <ul style="list-style-type: none"> • Develop technical architectures, frameworks and strategies, either for an organization or for a major application area, to meet the business and application requirements. • Identify the policies and requirements that drive out a particular solution. • Analyse and evaluate alternative technology solutions to meet business problems. • Ensures the integration of all or key aspects of technology solutions. • Monitor industry trends to ensure that solutions fit with government and industry directions for technology. • Analyse functional requirements to identify information, procedures and decision flows. • Evaluate existing procedures and methods, identify and document database content, structure, and application sub-systems, and develop data dictionary. • Define and document interfaces of manual to automated operations within application sub-systems, to external systems and between new and existing systems. • Define input/output sources, including detailed plan for technical design phase. 			

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Master Data Management (MDM)

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Application Architect – Specialty in IBM Master Data Management (MDM) has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>a minimum of three (3) years of experience, within the last ten (10) years, working as an application architect on the design, prototyping, components integration and oversight, as part of an IBM Master Data Management (MDM)* large scale (project value of \$10 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2) with 20 million records or more.</p> <p><i>*Or previous versions or instances.</i></p>			



1.2.2 Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced has:

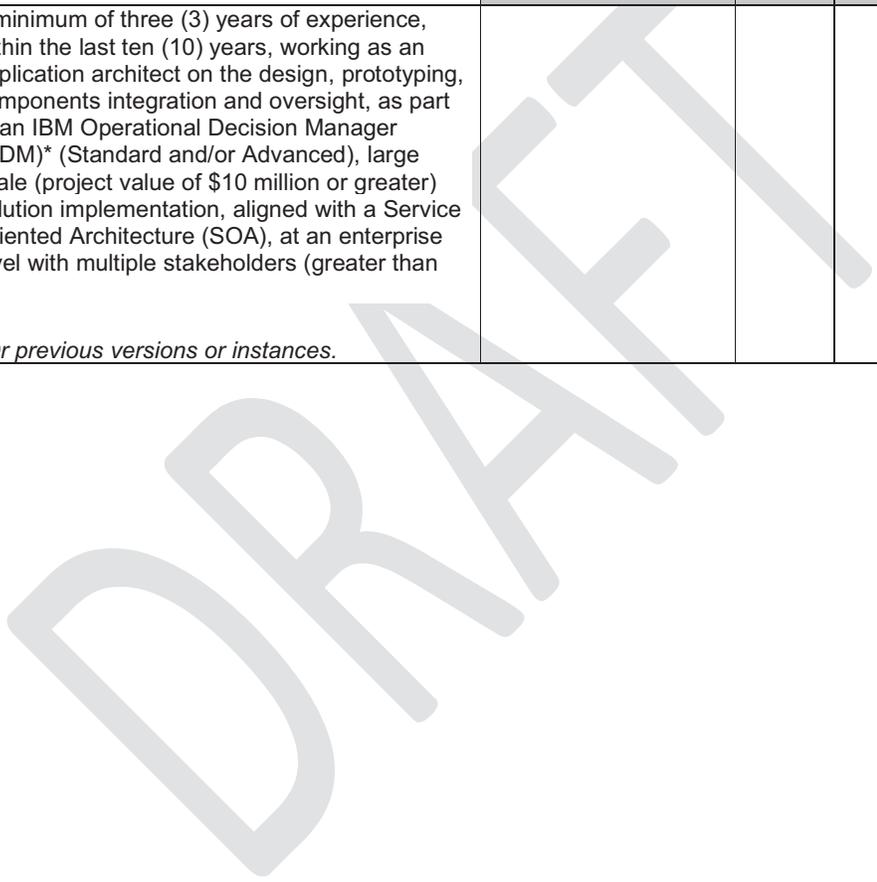
Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as an application architect:</p> <ul style="list-style-type: none"> • Develop technical architectures, frameworks and strategies, either for an organization or for a major application area, to meet the business and application requirements. • Identify the policies and requirements that drive out a particular solution. • Analyse and evaluate alternative technology solutions to meet business problems. • Ensures the integration of all aspects of technology solutions. • Monitor industry trends to ensure that solutions fit with government and industry directions for technology. • Analyse functional requirements to identify information, procedures and decision flows. • Evaluate existing procedures and methods, identify and document database content, structure, and application sub-systems, and develop data dictionary. • Define and document interfaces of manual to automated operations within application sub-systems, to external systems and between new and existing systems. • Define input/output sources, including detailed plan for technical design phase, and obtain approval of the system proposal. • Identify and document system specific standards relating to programming, documentation and testing, covering program libraries, data dictionaries, naming conventions, etc. 			

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>a minimum of three (3) years of experience, within the last ten (10) years, working as an application architect on the design, prototyping, components integration and oversight, as part of an IBM Operational Decision Manager (ODM)* (Standard and/or Advanced), large scale (project value of \$10 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2).</p> <p><i>*Or previous versions or instances.</i></p>			



1.2.3 Application Architect – Specialty in IBM Master Data Management (MDM)

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Master Data Management (MDM)

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Application Architect – Specialty in IBM Master Data Management (MDM) has:

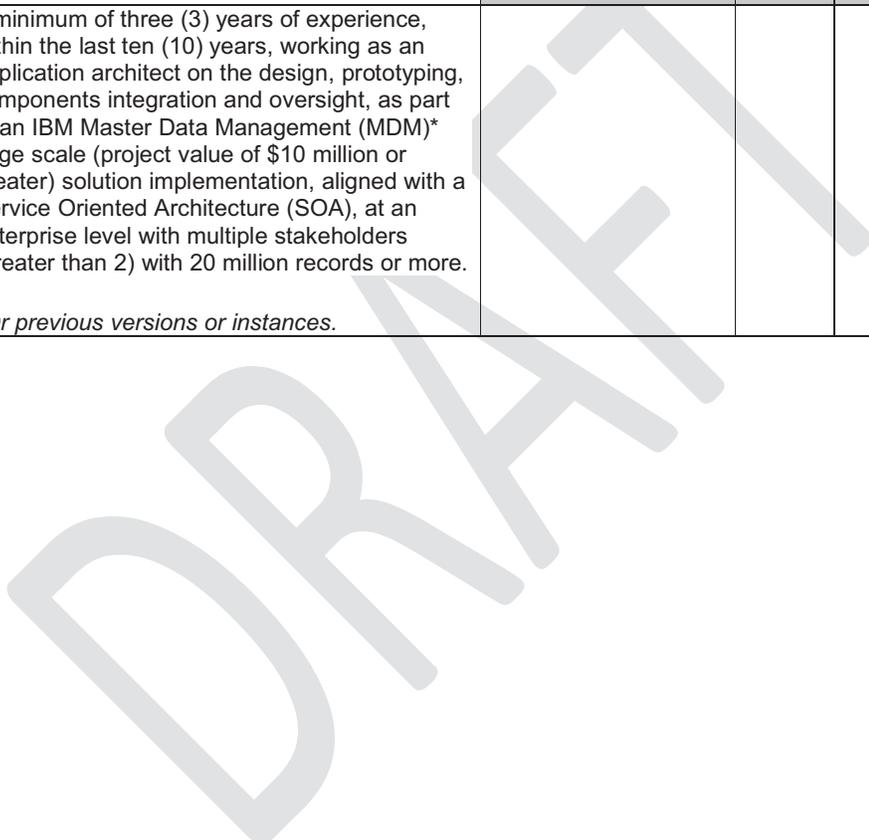
Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as an application architect:</p> <ul style="list-style-type: none"> • Develop technical architectures, frameworks and strategies, either for an organization or for a major application area, to meet the business and application requirements. • Identify the policies and requirements that drive out a particular solution. • Analyse and evaluate alternative technology solutions to meet business problems. • Ensures the integration of all or key aspects of technology solutions. • Monitor industry trends to ensure that solutions fit with government and industry directions for technology. • Analyse functional requirements to identify information, procedures and decision flows. • Evaluate existing procedures and methods, identify and document database content, structure, and application sub-systems, and develop data dictionary. • Define and document interfaces of manual to automated operations within application sub-systems, to external systems and between new and existing systems. • Define input/output sources, including detailed plan for technical design phase. 			

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Master Data Management (MDM)

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Application Architect – Specialty in IBM Master Data Management (MDM) has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	a minimum of three (3) years of experience, within the last ten (10) years, working as an application architect on the design, prototyping, components integration and oversight, as part of an IBM Master Data Management (MDM)* large scale (project value of \$10 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2) with 20 million records or more. *Or previous versions or instances.			



1.2.4 Software Developer – Specialty in IBM InfoSphere Information Server (IIS) DataStage/QualityStage

Experience and Expertise of the Proposed Software Developer – Specialty in IBM InfoSphere Information Server (IIS) – DataStage/QualityStage

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Software Developer – Specialty in IBM InfoSphere Information Server (IIS) – DataStage/QualityStage has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a software developer:</p> <ul style="list-style-type: none"> • Design detailed programs, flow charts, and diagrams indicating mathematical computation and sequence of machine operations necessary to copy and process data and print the results. • Translate detailed flow charts into coded machine instructions and confer with technical personnel in planning programs. • Verify accuracy and completeness of programs by preparing sample data, and testing them by means of system acceptance test runs made by operating personnel. • Correct program errors by revising instructions or altering the sequence of operations. • Perform unit testing, and assemble specifications, flow charts, diagrams, layouts, programming and operating instructions to document applications for later modification or reference. 			
M.2	<p><i>A minimum of three (3) years of experience, within the last ten (10) years, working as a software developer developing solutions using IIS DataStage/QualityStage to prepare, cleanse, and standardize data for Master Data Management (MDM) consumption in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</i></p>			

1.2.5 Software Developer – Specialty in IBM Integration BUS (IIB) – Enterprise Service Bus (ESB)

Experience and Expertise of the Proposed Software Developer – Specialty in IBM Integration BUS (IIB) – Enterprise Service Bus (ESB)				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Software Developer – Specialty in IBM Integration BUS (IIB) – Enterprise Service Bus (ESB) has:				
Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a software developer:</p> <ul style="list-style-type: none"> • Design detailed programs, flow charts, and diagrams indicating mathematical computation and sequence of machine operations necessary to copy and process data and print the results. • Translate detailed flow charts into coded machine instructions and confer with technical personnel in planning programs. • Verify accuracy and completeness of programs by preparing sample data, and testing them by means of system acceptance test runs made by operating personnel. • Correct program errors by revising instructions or altering the sequence of operations. • Perform unit testing, and assemble specifications, flow charts, diagrams, layouts, programming and operating instructions to document applications for later modification or reference. 			

M.2	A minimum of three (3) years of experience, within the last ten (10) years, working as a software developer developing IBM Integration Bus (IIB) - Enterprise Service Bus (ESB)* solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2). <i>*Or previous versions or instances.</i>			
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DRAFT

2.0 POINT-RATED REQUIREMENTS

2.1 Point-Rated Corporate Criteria

Point Rated Criteria	Max Points	Bidder's Response																																																		
		Evaluation Guideline	Cross Reference to Contract Reference(s)																																																	
<p>R1</p> <p>The Bidder should demonstrate its billable days experience in excess to the minimum billable days per resource category under M2.</p> <table border="1"> <thead> <tr> <th colspan="5">EXAMPLE EVALUATION SCENARIO</th> </tr> <tr> <th rowspan="2">RESOURCE CATEGORY</th> <th>(A)</th> <th>(B)</th> <th>(C)</th> <th>(D)</th> </tr> <tr> <th>BIDDER'S TOTAL</th> <th>MINIMUM BILLABLE DAYS IDENTIFIED UNDER M2</th> <th>BILLABLE DAYS IN EXCESS OF M2</th> <th>BIDDER % INCREASE TO A MAXIMUM OF 100 (Rounded to two decimal places)</th> </tr> </thead> <tbody> <tr> <td>App A to Att B</td> <td></td> <td></td> <td>$(C)=(A)-(B)$</td> <td>$(D)=(C)/(B)*100$</td> </tr> <tr> <td>Programmer/Software Developer</td> <td>3300</td> <td>2200</td> <td>1100</td> <td>50</td> </tr> <tr> <td>Application/Software Architect</td> <td>1500</td> <td>1100</td> <td>400</td> <td>36.36</td> </tr> <tr> <td>Test Coordinator</td> <td>1000</td> <td>300</td> <td>700</td> <td>100</td> </tr> <tr> <td>Business Analyst</td> <td>1400</td> <td>1000</td> <td>400</td> <td>40</td> </tr> <tr> <td>Technology Architect</td> <td>2200</td> <td>1000</td> <td>1200</td> <td>100</td> </tr> <tr> <td colspan="4">BIDDER SCORE = SUM OF (D) FOR ALL 5 CATEGORIES / 5</td> <td>65.27</td> </tr> </tbody> </table>	EXAMPLE EVALUATION SCENARIO					RESOURCE CATEGORY	(A)	(B)	(C)	(D)	BIDDER'S TOTAL	MINIMUM BILLABLE DAYS IDENTIFIED UNDER M2	BILLABLE DAYS IN EXCESS OF M2	BIDDER % INCREASE TO A MAXIMUM OF 100 (Rounded to two decimal places)	App A to Att B			$(C)=(A)-(B)$	$(D)=(C)/(B)*100$	Programmer/Software Developer	3300	2200	1100	50	Application/Software Architect	1500	1100	400	36.36	Test Coordinator	1000	300	700	100	Business Analyst	1400	1000	400	40	Technology Architect	2200	1000	1200	100	BIDDER SCORE = SUM OF (D) FOR ALL 5 CATEGORIES / 5				65.27	100	<p>The bidders demonstrated "Total Billable Days" provided in response to M2 will be used to evaluate this criterion.</p> <p>The bidder will be awarded points as demonstrated in the example evaluation scenario on the left side.</p> <p>In this example, the bidder would score 65.27 points out of a possible 100 points.</p>	
EXAMPLE EVALUATION SCENARIO																																																				
RESOURCE CATEGORY	(A)	(B)	(C)	(D)																																																
	BIDDER'S TOTAL	MINIMUM BILLABLE DAYS IDENTIFIED UNDER M2	BILLABLE DAYS IN EXCESS OF M2	BIDDER % INCREASE TO A MAXIMUM OF 100 (Rounded to two decimal places)																																																
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BIDDER SCORE = SUM OF (D) FOR ALL 5 CATEGORIES / 5				65.27																																																
MAXIMUM AVAILABLE POINTS	100																																																			
MINIMUM POINTS REQUIRED	60																																																			
POINTS ACHIEVED																																																				
TO BE RESPONSIVE, THE BIDDER MUST OBTAIN A MINIMUM OF 60 POINTS																																																				

2.2 Point-Rated Resource Criteria

The Bidder should provide complete details regarding the qualifications, relevant experience and expertise, and linguistic capabilities, if applicable, of the proposed personnel such as “ The experience of the proposed resources must be clearly identified by providing a summary/description of the previous projects worked on, and indicating when the work was carried out and the client”.

Wherever experience is required, the experience of a referenced project must have a minimum duration of three (3) months in order to be accepted.

The Bidder must propose a different resource to fulfill each of the following five (5) anticipated Core Team resource requirements.

2.2.1 Application Architect – Specialty in IBM Master Data Management (MDM)

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Master Data Management (MDM)

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Master Data Management (MDM) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	In addition to M2, experience, within the last ten (10) years, working as an application architect on the design, prototyping, components integration and oversight, as part of an IBM Master Data Management (MDM)* large scale (project value of \$10 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2) with 20 million records or more. *Or previous versions or instances.	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	
R.2	Experience, as an application architect, within the last ten (10) years, performing the integration of IBM MDM* with one or more of the following IBM products: <ul style="list-style-type: none"> • IBM Business Process Management (BPM)* Advanced • IBM IIS* – DataStage / Quality Stage • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* *Or previous versions or instances.	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Master Data Management (MDM)

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Master Data Management (MDM) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, as an application architect, within the last ten (10) years, in the development of security requirements* of an IBM MDM** implementation that required integration with one or more of the following COTS:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM) Standard and/or Advanced** • IBM InfoSphere Identity Insight (ISII)** • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)*** • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage/QualityStage • IBM Business Process Management (BPM)** Advanced <p>*Security requirements include the integration of MDM with other products part of a solution and alignment with security frameworks, security policies, and guidelines.</p> <p>**Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	
R.4	<p>Experience, within the last ten (10) years, working as an application architect on projects with an MDM component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		50		
Minimum points required		30		

2.2.2 Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>In addition to M2, experience, within the last ten (10) years, working as an application architect on the design, prototyping, components integration and oversight, as part of an IBM Operational Decision Manager (ODM)* (Standard and/or Advanced), large scale (project value of \$10 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	
R.2	<p>Experience, within the last ten (10) years, working as an application architect on the integration of IBM ODM* (Standard and/or Advanced) with one or more of the following IBM products listed below on a large scale project (project value of \$10 million or greater) solution implementation at an enterprise level with multiple stakeholders (greater than 2).</p> <ul style="list-style-type: none"> • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* • IBM Business Process Management (BPM)* Advanced • IBM InfoSphere Information Server (IIS) DataStage/QualityStage <p>*Or previous versions or instances,</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, within the last ten (10) years, as an application architect in the development of security requirements* of a solution implementation that required integration with one or more of the following COTS:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)** Standard and/or Advanced • IBM InfoSphere Identity Insight (ISII)** • IBM Master Data Management(MDM)** • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)** • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage/QualityStage • IBM Business Process Management (BPM)** Advanced <p>*Security requirements include the integration of IBM ODM or ODM Advanced with other products part of a solution and alignment with security frameworks, security policies, and guidelines.</p> <p>**Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.4	<p>Experience, within the last ten (10) years, working as an application architect on projects with a rule engine for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		50		
Minimum points required		30		

2.2.3 Application Architect – Specialty in IBM Master Data Management (MDM)

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Master Data Management (MDM)

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Master Data Management (MDM) has:

#	RATED CRITERIA	POINTS MAX	BIDDER'S RESPONSE	
			DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>In addition to M2, experience, within the last ten (10) years, working as an application architect on the design, prototyping, components integration and oversight, as part of an IBM Master Data Management (MDM)* large scale (project value of \$10 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2) with 20 million records or more.</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	
R.2	<p>Experience, as an application architect, within the last ten (10) years, performing the integration of IBM MDM* with one or more of the following IBM products:</p> <ul style="list-style-type: none"> • IBM Business Process Management (BPM)* Advanced • IBM IIS* – DataStage / Quality Stage • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Master Data Management (MDM)

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Master Data Management (MDM) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, as an application architect, within the last ten (10) years, in the development of security requirements* of an IBM MDM** implementation that required integration with one or more of the following COTS:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM) Standard and/or Advanced** • IBM InfoSphere Identity Insight (ISII)** • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)*** • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage/QualityStage • IBM Business Process Management (BPM)** Advanced <p>*Security requirements include the integration of MDM with other products part of a solution and alignment with security frameworks, security policies, and guidelines.</p> <p>**Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	
R.4	<p>Experience, within the last ten (10) years, working as an application architect on projects with an MDM component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		50		
Minimum points required		30		

2.2.4 Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage/QualityStage

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Information Server (IIS) DataStage/QualityStage

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Software Developer - Specialty in IBM Information Server (IIS) DataStage/QualityStage has:

#	RATED CRITERIA	POINTS MAX	BIDDER'S RESPONSE	
			DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	Experience, within the last ten (10) years, working as a software developer developing solutions using IIS DataStage/QualityStage to prepare, cleanse, and standardize data for Master Data Management (MDM) consumption in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	
R.2	Experience, within the last ten (10) years, working as a software developer on large scale projects (project value of \$10 million or greater) with an IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* component that required an integration with one or more of the following products: <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)* Standard and/or Advanced • IBM InfoSphere Identity Insight (ISII)* • IBM Master Data Management (MDM)* • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage/QualityStage • IBM Business Process Management (BPM)* Advanced *Or previous versions or instances.	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Information Server (IIS) DataStage/QualityStage

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Software Developer - Specialty in IBM Information Server (IIS) DataStage/QualityStage has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, within the last ten (10) years, working as a software developer on projects with an ESB component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

2.2.5 Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>In addition to M2, experience, within the last ten (10) years, working as a software developer developing IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	
R.2	<p>Experience, within the last ten (10) years, working as a software developer on large scale projects (project value of \$10 million or greater) with an IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* component that required an integration with one or more of the following products:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)* Standard and/or Advanced • IBM InfoSphere Identity Insight (ISII)* • IBM Master Data Management (MDM)* • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage/QualityStage • IBM Business Process Management (BPM)* Advanced <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, within the last ten (10) years, working as a software developer on projects with an ESB component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

APPENDIX A OF ATTACHMENT 2
RFP BILLABLE DAYS RESPONSE TABLE

Bidder Name: _____

By providing a response, the bidder certifies that billable days provided occurred during the billing period indicated above for ALL of the resource categories listed.

RESOURCE CATEGORY	NUMBER OF BILLABLE DAYS			
	Cross Reference to Contract Reference # Billing Period: (dd/mm/yy) To (dd/mm/yy)			
Programmer/Software Developer				
Application/Software Architect				
Test Coordinator				
Business Analyst				
Technology Architect				

APPENDIX B OF ATTACHMENT 2

RFP CONTRACT REFERENCE RESPONSE FORM	
<p>To meet 1.0 M2 of attachment 2, the Bidder must have demonstrated contract experience in supplying all of the resource categories or similar resource categories, for the required Minimum Billable Days per resource category, within the past seven years prior to the Initial Solicitation Closing Date. For each individual resource category, the services provided must have been provided using a maximum of five contracts. All resources provided must have completed at least 50% of the tasks detailed in appendix C of attachment 2, for the resource category for which they were provided.</p>	
<p>Bidder Name: _____ Bidder Contract Reference #: _____</p>	
SECTION 1: CLIENT INFORMATION	
Government client (Yes/No)	
Client Organization Name	
Client Contact Name	
Address	
Telephone	
Fax	
E-mail	
SECTION 2: CONTRACT INFORMATION	
Contract Value	
Award Date	
Expiry Date	
<p>Description of requirement:</p> 	

SECTION 3: RESOURCE DETAILS	
Category of Personnel and Level	Tasks performed under the contract with a cross reference to each specific SOW associated task

APPENDIX C OF ATTACHMENT 2

LIST OF TASKS

1) Programmer/Software Developer

- Develop and prepare diagrammatic plans for solution of business, scientific and technical problems by means of computer systems of significant size and complexity.
- Analyze the problems outlined by the systems analysts/designers in terms of such factors as style and extent of information to be transferred to and from storage units, variety of items to be processed, extent of sorting, and format of final printed results.
- Select and incorporate available software programs.
- Design detailed programs, flow charts, and diagrams indicating mathematical computation and sequence of machine operations necessary to copy and process data and print the results.
- Translate detailed flow charts into coded machine instructions and confer with technical personnel in planning programs.
- Verify accuracy and completeness of programs by preparing sample data, and testing them by means of system acceptance test runs made by operating personnel.
- Correct program errors by revising instructions or altering the sequence of operations.
- Test instructions, and assemble specifications, flow charts, diagrams, layouts, programming and operating instructions to document applications for later modification or reference.

2) Application/Software Architect

- Develop technical architectures, frameworks and strategies, either for an organization or for a major application area, to meet the business and application requirements.
- Identify the policies and requirements that drive out a particular solution.
- Analyze and evaluate alternative technology solutions to meet business problems.
- Ensures the integration of all aspects of technology solutions.
- Monitor industry trends to ensure that solutions fit with government and industry directions for technology.
- Analyze functional requirements to identify information, procedures and decision flows.
- Evaluate existing procedures and methods, identify and document database content, structure, and application sub-systems, and develop data dictionary.
- Define and document interfaces of manual to automated operations within application sub-systems, to external systems and between new and existing systems.
- Define input/output sources, including detailed plan for technical design phase, and obtain approval of the system proposal.
- Identify and document system specific standards relating to programming, documentation and testing, covering program libraries, data dictionaries, naming conventions, etc.

3) Test Coordinator

- Provide advice, guidance and coordination efforts for test strategies and plans, selection of automated testing tools, and identification of resources required for testing.
- Plan, organize, and schedule testing efforts for large systems, including the execution of systems integration tests, specialized tests, and user acceptance testing (e.g., stress tests).

4) Business Analyst

- Develop and document statements of requirements for considered alternatives.
- Perform business analyses of functional requirements to identify information, procedures, and decision flows.
- Evaluate existing procedures and methods, identify and document items such as database content, structure, application subsystems.
- Define and document interfaces of manual to automated operations within application subsystems, to external systems, and between new and existing systems.
- Establish acceptance test criteria with client.
- Support and use the selected departmental methodologies.

5) Technology Architect

- Develop technical architectures, frameworks and strategies, either for an organization or for a major application area, to meet the business and application requirements.
- Identify the policies and requirements that drive out a particular solution.
- Analyze and evaluate alternative technology solutions to meet business problems.
- Ensures the integration of all aspects of technology solutions.
- Monitor industry trends to ensure that solutions fit with government and industry directions for technology.
- Provide information, direction and support for emerging technologies.
- Perform impact analysis of technology changes.
- Provide support to applications and/or technical support teams in the proper application of existing infrastructure.
- Review application and program design or technical infrastructure design to ensure adherence to standards and to recommend performance improvements.

Annex C

Resources Assessment Criteria and Response Tables

To facilitate resource assessment, the Contractor must prepare and submit a response to a draft Task Authorization using the tables provided in this Appendix. When completing the resource grids, the specific information which demonstrates the requested criteria and reference to the page number of the résumé should be incorporated so that the assessor can verify this information. The tables should not contain all the project information from the resume. Only the specific answer should be provided.

1. Mandatory Requirements:

Wherever experience is required, the experience of a referenced project must have a minimum duration of three (3) months in order to be accepted.

DRAFT

1.1 Application Architect – Specialty in IBM Business Process Manager (BPM)

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Business Process Manager (BPM)

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Application Architect – Specialty in IBM Business Process Manager (BPM) has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met

DRAFT

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Business Process Manager (BPM)				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Application Architect – Specialty in IBM Business Process Manager (BPM) has:				
Criteria	Mandatory Requirement	Bidder’s response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as an application architect:</p> <ul style="list-style-type: none"> • Develop technical architectures, frameworks and strategies, either for an organization or for a major application area, to meet the business and application requirements. • Identify the policies and requirements that drive out a particular solution. • Analyse and evaluate alternative technology solutions to meet business problems. • Ensures the integration of all or key aspects of technology solutions. • Monitor industry trends to ensure that solutions fit with government and industry directions for technology. • Analyse functional requirements to identify information, procedures and decision flows. • Evaluate existing procedures and methods, identify and document database content, structure, and application sub-systems, and develop data dictionary. • Define and document interfaces of manual to automated operations within application sub-systems, to external systems and between new and existing systems. • Define input/output sources, including detailed plan for technical design phase. 			

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Business Process Manager (BPM)				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Application Architect – Specialty in IBM Business Process Manager (BPM) has:				
Criteria	Mandatory Requirement	Bidder’s response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as an application architect on the design, prototyping, components integration and oversight, as part of an IBM Business Process Management (BPM)* Advanced large scale (project value of \$10 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>			

1.2 Application Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Application Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met

DRAFT

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Application Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:				
Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as an application architect:</p> <ul style="list-style-type: none"> • Develop technical architectures, frameworks and strategies, either for an organization or for a major application area, to meet the business and application requirements. • Identify the policies and requirements that drive out a particular solution. • Analyse and evaluate alternative technology solutions to meet business problems. • Ensures the integration of all aspects of technology solutions. • Monitor industry trends to ensure that solutions fit with government and industry directions for technology. • Analyse functional requirements to identify information, procedures and decision flows. • Evaluate existing procedures and methods, identify and document database content, structure, and application sub-systems, and develop data dictionary. • Define and document interfaces of manual to automated operations within application sub-systems, to external systems and between new and existing systems. • Define input/output sources, including detailed plan for technical design phase, and obtain approval of the system proposal. • Identify and document system specific standards relating to programming, documentation and testing, covering program libraries, data dictionaries, naming conventions, etc. 			

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Application Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:				
Criteria	Mandatory Requirement	Bidder’s response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as an application architect on the design, prototyping, components integration and oversight, as part of an IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* large scale (project value of \$10 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>			

**1.3 Application Architect – Specialty in IBM InfoSphere Information Server (IIS)
DataStage/QualityStage**

Experience and Expertise of the Proposed Software Developer – Specialty in IBM Infosphere Information Server (IIS) DataStage/QualityStage				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Software Developer – Specialty in IBM Infosphere Information Server (IIS) DataStage/QualityStage has:				
Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met

DRAFT

Experience and Expertise of the Proposed Software Developer – Specialty in IBM Infosphere Information Server (IIS) DataStage/QualityStage				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Software Developer – Specialty in IBM Infosphere Information Server (IIS) DataStage/QualityStage has:				
Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as an application architect:</p> <ul style="list-style-type: none"> • Develop technical architectures, frameworks and strategies, either for an organization or for a major application area, to meet the business and application requirements. • Identify the policies and requirements that drive out a particular solution. • Analyse and evaluate alternative technology solutions to meet business problems. • Ensures the integration of all or key aspects of technology solutions. • Monitor industry trends to ensure that solutions fit with government and industry directions for technology. • Analyse functional requirements to identify information, procedures and decision flows. • Evaluate existing procedures and methods, identify and document database content, structure, and application sub-systems, and develop data dictionary. • Define and document interfaces of manual to automated operations within application sub-systems, to external systems and between new and existing systems. • Define input/output sources, including detailed plan for technical design phase. • Identify and document system specific standards relating to programming, documentation and testing, covering program libraries, data dictionaries, naming conventions, etc. 			

Experience and Expertise of the Proposed Software Developer – Specialty in IBM InfoSphere Information Server (IIS) DataStage/QualityStage				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Software Developer – Specialty in IBM InfoSphere Information Server (IIS) DataStage/QualityStage has:				
Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	A minimum of three (3) years of experience, within the last ten (10) years, working as an application architect, on the design, prototyping, components integration and oversight, as part of an IBM InfoSphere Information Server DataStage/QualityStage large scale (project value of \$10 million or greater) solution implementation at an enterprise level with multiple stakeholders (greater than 2).			

1.4 Application Architect – Specialty in IBM InfoSphere Identity Insight (ISII)

Experience and Expertise of the Proposed Application Architect – Specialty in IBM InfoSphere Identity Insight (ISII)

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Application Architect – Specialty in IBM InfoSphere Identity Insight (ISII) has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met

DRAFT

Experience and Expertise of the Proposed Application Architect – Specialty in IBM InfoSphere Identity Insight (ISII)				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Application Architect – Specialty in IBM InfoSphere Identity Insight (ISII) has:				
Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as an application architect:</p> <ul style="list-style-type: none"> • Develop technical architectures, frameworks and strategies, either for an organization or for a major application area, to meet the business and application requirements. • Identify the policies and requirements that drive out a particular solution. • Analyse and evaluate alternative technology solutions to meet business problems. • Ensures the integration of all or key aspects of technology solutions. • Monitor industry trends to ensure that solutions fit with government and industry directions for technology. • Analyse functional requirements to identify information, procedures and decision flows. • Evaluate existing procedures and methods, identify and document database content, structure, and application sub-systems, and develop data dictionary. • Define and document interfaces of manual to automated operations within application sub-systems, to external systems and between new and existing systems. • Define input/output sources, including detailed plan for technical design phase. • Identify and document system specific standards relating to programming, documentation and testing, covering program libraries, data dictionaries, naming conventions, etc. 			

Experience and Expertise of the Proposed Application Architect – Specialty in IBM InfoSphere Identity Insight (ISII)				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Application Architect – Specialty in IBM InfoSphere Identity Insight (ISII) has:				
Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>A minimum of two (2) years of experience, within the last eight (8) years, working as an application architect on the design, prototyping, components integration and oversight, as part of an IBM InfoSphere Identity Insight (ISII)* large scale project (project value of \$10 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances,</p>			

1.5 Application Architect – Specialty in IBM Master Data Management (MDM)

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Master Data Management (MDM)				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Application Architect – Specialty in IBM Master Data Management (MDM) has:				
Criteria	Mandatory Requirement	Bidder’s response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as an application architect:</p> <ul style="list-style-type: none"> • Develop technical architectures, frameworks and strategies, either for an organization or for a major application area, to meet the business and application requirements. • Identify the policies and requirements that drive out a particular solution. • Analyse and evaluate alternative technology solutions to meet business problems. • Ensures the integration of all or key aspects of technology solutions. • Monitor industry trends to ensure that solutions fit with government and industry directions for technology. • Analyse functional requirements to identify information, procedures and decision flows. • Evaluate existing procedures and methods, identify and document database content, structure, and application sub-systems, and develop data dictionary. • Define and document interfaces of manual to automated operations within application sub-systems, to external systems and between new and existing systems. • Define input/output sources, including detailed plan for technical design phase. 			

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Master Data Management (MDM)				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Application Architect – Specialty in IBM Master Data Management (MDM) has:				
Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	a minimum of three (3) years of experience, within the last ten (10) years, working as an application architect on the design, prototyping, components integration and oversight, as part of an IBM Master Data Management (MDM)* large scale (project value of \$10 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2) with 20 million records or more. *Or previous versions or instances.			

1.6 Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as an application architect:</p> <ul style="list-style-type: none"> • Develop technical architectures, frameworks and strategies, either for an organization or for a major application area, to meet the business and application requirements. • Identify the policies and requirements that drive out a particular solution. • Analyse and evaluate alternative technology solutions to meet business problems. • Ensures the integration of all aspects of technology solutions. • Monitor industry trends to ensure that solutions fit with government and industry directions for technology. • Analyse functional requirements to identify information, procedures and decision flows. • Evaluate existing procedures and methods, identify and document database content, structure, and application sub-systems, and develop data dictionary. • Define and document interfaces of manual to automated operations within application sub-systems, to external systems and between new and existing systems. • Define input/output sources, including detailed plan for technical design phase, and obtain approval of the system proposal. • Identify and document system specific standards relating to programming, documentation and testing, covering program libraries, data dictionaries, naming conventions, etc. 			

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced has:				
Criteria	Mandatory Requirement	Bidder’s response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>a minimum of three (3) years of experience, within the last ten (10) years, working as an application architect on the design, prototyping, components integration and oversight, as part of an IBM Operational Decision Manager (ODM)* (Standard and/or Advanced), large scale (project value of \$10 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>			

1.7 Business System Analyst – Specialty in IBM Master Data Management (MDM) Data Governance

Experience and Expertise of the Proposed Business Systems Analyst – Specialty in IBM Master Data Management (MDM) Data Governance

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Business Systems Analyst – Specialty in IBM Master Data Management (MDM) Data Governance has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a business system analyst:</p> <ul style="list-style-type: none"> • Establish Master Data policies and procedures to ensure data meets defined quality targets; • Establish the policies for setting up, maintaining, validating and cleansing party data; • Maintain changes to data process maps, document new processes and support ongoing audit requirement; • Act as subject matter expert and support CBSA projects to ensure that processes meet data policies and procedures best practices; • Assist teams in the creation of business rules, entities, party attributes; • Evaluate existing procedures and methods, identify and document items such as database content, structure, application subsystems, and develop data dictionary; • Review and analyse application data model and MDM data model; • Identify and resolve data quality issues 			

Experience and Expertise of the Proposed Business Systems Analyst – Specialty in IBM Master Data Management (MDM) Data Governance

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Business Systems Analyst – Specialty in IBM Master Data Management (MDM) Data Governance has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	A minimum of three (3) years of experience, within the last eight (8) years, working as a business system analyst responsible for the Data Governance of a large scale MDM solution implementation (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).			

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1.8 Software Developer - Specialty in IBM Business Process Manager (BPM)

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Business Process Manager (BPM)

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Software Developer - Specialty in IBM Business Process Manager (BPM) has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a software developer:</p> <ul style="list-style-type: none"> • Design detailed programs, flow charts, and diagrams indicating mathematical computation and sequence of machine operations necessary to copy and process data and print the results. • Translate detailed flow charts into coded machine instructions and confer with technical personnel in planning programs. • Verify accuracy and completeness of programs by preparing sample data, and testing them by means of system acceptance test runs made by operating personnel. • Correct program errors by revising instructions or altering the sequence of operations. • Perform unit testing, and assemble specifications, flow charts, diagrams, layouts, programming and operating instructions to document applications for later modification or reference. 			

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Business Process Manager (BPM)				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Software Developer - Specialty in IBM Business Process Manager (BPM) has:				
Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as a software developer developing IBM Business Process Management (BPM)* solutions, aligned with a Service Oriented Architecture (SOA), on large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>			

1.9 Software Developer – Specialty in IBM Global Name Management (GNM)

Experience and Expertise of the Proposed Software Developer – Specialty in IBM Global Name Management (GNM)

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Software Developer – Specialty in IBM Global Name Management (GNM) has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a software developer:</p> <ul style="list-style-type: none"> • Design detailed programs, flow charts, and diagrams indicating mathematical computation and sequence of machine operations necessary to copy and process data and print the results. • Translate detailed flow charts into coded machine instructions and confer with technical personnel in planning programs. • Verify accuracy and completeness of programs by preparing sample data, and testing them by means of system acceptance test runs made by operating personnel. • Correct program errors by revising instructions or altering the sequence of operations. • Perform unit testing, and assemble specifications, flow charts, diagrams, layouts, programming and operating instructions to document applications for later modification or reference. 			
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as a software developer developing IBM Global Name Manager (GNM) solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p>			

1.10 Software Developer – Specialty in IBM Integration BUS (IIB) – Enterprise Service Bus (ESB)

Experience and Expertise of the Proposed Software Developer – Specialty in IBM Integration BUS (IIB) – Enterprise Service Bus (ESB)				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Software Developer – Specialty in IBM Integration BUS (IIB) – Enterprise Service Bus (ESB) has:				
Criteria	Mandatory Requirement	Bidder’s response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a software developer:</p> <ul style="list-style-type: none"> • Design detailed programs, flow charts, and diagrams indicating mathematical computation and sequence of machine operations necessary to copy and process data and print the results. • Translate detailed flow charts into coded machine instructions and confer with technical personnel in planning programs. • Verify accuracy and completeness of programs by preparing sample data, and testing them by means of system acceptance test runs made by operating personnel. • Correct program errors by revising instructions or altering the sequence of operations. • Perform unit testing, and assemble specifications, flow charts, diagrams, layouts, programming and operating instructions to document applications for later modification or reference. 			

Experience and Expertise of the Proposed Software Developer – Specialty in IBM Integration BUS (IIB) – Enterprise Service Bus (ESB)				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Software Developer – Specialty in IBM Integration BUS (IIB) – Enterprise Service Bus (ESB) has:				
Criteria	Mandatory Requirement	Bidder’s response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as a software developer developing IBM Integration Bus (IIB) - Enterprise Service Bus (ESB)* solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>			

**1.11 Software Developer – Specialty in IBM InfoSphere Information Server (IIS)
DataStage/QualityStage**

Experience and Expertise of the Proposed Software Developer – Specialty in IBM InfoSphere Information Server (IIS) – DataStage/QualityStage				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Software Developer – Specialty in IBM InfoSphere Information Server (IIS) – DataStage/QualityStage has:				
Criteria	Mandatory Requirement	Bidder’s response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a software developer:</p> <ul style="list-style-type: none"> • Design detailed programs, flow charts, and diagrams indicating mathematical computation and sequence of machine operations necessary to copy and process data and print the results. • Translate detailed flow charts into coded machine instructions and confer with technical personnel in planning programs. • Verify accuracy and completeness of programs by preparing sample data, and testing them by means of system acceptance test runs made by operating personnel. • Correct program errors by revising instructions or altering the sequence of operations. • Perform unit testing, and assemble specifications, flow charts, diagrams, layouts, programming and operating instructions to document applications for later modification or reference. 			

Experience and Expertise of the Proposed Software Developer – Specialty in IBM InfoSphere Information Server (IIS) – DataStage/QualityStage				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Software Developer – Specialty in IBM InfoSphere Information Server (IIS) – DataStage/QualityStage has:				
Criteria	Mandatory Requirement	Bidder’s response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	A minimum of three (3) years of experience, within the last ten (10) years, working as a software developer developing solutions using IIS DataStage/QualityStage to prepare, cleanse, and standardize data for Master Data Management (MDM) consumption in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).			

DRAFT

1.12 Software Developer – Specialty in IBM InfoSphere Identity Insight (ISII)

Experience and Expertise of the Proposed Software Developer – Specialty in IBM InfoSphere Identity Insight (ISII)

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Software Developer – Specialty in IBM InfoSphere Identity Insight (ISII) has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a software developer:</p> <ul style="list-style-type: none"> • Design detailed programs, flow charts, and diagrams indicating mathematical computation and sequence of machine operations necessary to copy and process data and print the results. • Translate detailed flow charts into coded machine instructions and confer with technical personnel in planning programs. • Verify accuracy and completeness of programs by preparing sample data, and testing them by means of system acceptance test runs made by operating personnel. • Correct program errors by revising instructions or altering the sequence of operations. • Perform unit testing, and assemble specifications, flow charts, diagrams, layouts, programming and operating instructions to document applications for later modification or reference. 			

Experience and Expertise of the Proposed Software Developer – Specialty in IBM InfoSphere Identity Insight (ISII)				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Software Developer – Specialty in IBM InfoSphere Identity Insight (ISII) has:				
Criteria	Mandatory Requirement	Bidder’s response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as a software developer developing IBM InfoSphere Identity Insight (ISII)* solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>			

1.13 Software Developer – Specialty in IBM Master Data Management (MDM) – Java Development

Experience and Expertise of the Proposed Software Developer – Specialty in IBM Master Data Management (MDM) – Java Development

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Software Developer – Specialty in IBM Master Data Management (MDM) – Java Development has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>at least ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a software developer:</p> <ul style="list-style-type: none"> • Design detailed programs, flow charts, and diagrams indicating mathematical computation and sequence of machine operations necessary to copy and process data and print the results. • Translate detailed flow charts into coded machine instructions and confer with technical personnel in planning programs. • Verify accuracy and completeness of programs by preparing sample data, and testing them by means of system acceptance test runs made by operating personnel. • Correct program errors by revising instructions or altering the sequence of operations. • Perform unit testing, and assemble specifications, flow charts, diagrams, layouts, programming and operating instructions to document applications for later modification or reference. 			

Experience and Expertise of the Proposed Software Developer – Specialty in IBM Master Data Management (MDM) – Java Development

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Software Developer – Specialty in IBM Master Data Management (MDM) – Java Development has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as a Java software developer developing IBM Master Data Management (MDM)* solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>			

1.14 Software Developer – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced

Experience and Expertise of the Proposed Software Developer – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Software Developer – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced has:				
Criteria	Mandatory Requirement	Bidder’s response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a software developer:</p> <ul style="list-style-type: none"> • Design detailed programs, flow charts, and diagrams indicating mathematical computation and sequence of machine operations necessary to copy and process data and print the results. • Translate detailed flow charts into coded machine instructions and confer with technical personnel in planning programs. • Verify accuracy and completeness of programs by preparing sample data, and testing them by means of system acceptance test runs made by operating personnel. • Correct program errors by revising instructions or altering the sequence of operations. • Perform unit testing, and assemble specifications, flow charts, diagrams, layouts, programming and operating instructions to document applications for later modification or reference. 			

Experience and Expertise of the Proposed Software Developer – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Software Developer – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced has:				
Criteria	Mandatory Requirement	Bidder’s response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as a software developer developing IBM Operational Decision Management (ODM)* (or previous versions or instances) solutions including the creation of executable object models (XOM), business object models (BOM), and the authoring of rules for a rules engine**, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p> <p>**includes separate Business rules and Business events components prior to creation of IBM ODM (Advanced).</p>			

1.15 Software Developer – Speciality in pME (probabilistic Matching Engine) – Matching algorithm development

Experience and Expertise of the Proposed Software Developer – Specialty in IBM pME (probabilistic Matching Engine) – Matching algorithm development

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Software Developer – Specialty in IBM pME (probabilistic Matching Engine) – Matching algorithm development has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>a minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a software developer:</p> <ul style="list-style-type: none"> • Design detailed programs, flow charts, and diagrams indicating mathematical computation and sequence of machine operations necessary to copy and process data and print the results. • Translate detailed flow charts into coded machine instructions and confer with technical personnel in planning programs. • Verify accuracy and completeness of programs by preparing sample data, and testing them by means of system acceptance test runs made by operating personnel. • Correct program errors by revising instructions or altering the sequence of operations. • Perform unit testing, and assemble specifications, flow charts, diagrams, layouts, programming and operating instructions to document applications for later modification or reference. 			

Experience and Expertise of the Proposed Software Developer – Specialty in IBM pME (probabilistic Matching Engine) – Matching algorithm development

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Software Developer – Specialty in IBM pME (probabilistic Matching Engine) – Matching algorithm development has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as a software developer developing IBM Master Data Management (MDM)* based solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>			

1.16 Technology Architect - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration/Release Management

Experience and Expertise of the Proposed Technology Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration/Release Management

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Technology Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration/Release Management has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a technology architect:</p> <ul style="list-style-type: none"> • Prepare implementation plans and strategy in preparation of solutions' deployments • Develop, implement and maintain automated build and load deployment scripts • Maintain and support project source repository • Configure and optimize technical installations including the integration of technical components. • Ensure alignment of releases in both development and testing environments. 			
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as a technology architect on the configuration, optimization and deployment of an IBM Integration Bus (IIB) - Enterprise Service Bus (ESB)* project solution implementation, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>			

1.17 Technology Architect - Specialty in IBM Master Data Management (MDM) Configuration/Release Management

Experience and Expertise of the Proposed Technology Architect – Specialty in IBM Master Data Management (MDM) Configuration/Release Management				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Technology Architect – Specialty in IBM Master Data Management (MDM) Configuration/Release Management has:				
Criteria	Mandatory Requirement	Bidder’s response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a technology architect:</p> <ul style="list-style-type: none"> • Prepare implementation plans and strategy in preparation of solutions’ deployments • Develop, implement and maintain automated build and load deployment scripts • Maintain and support project source repository • Configure and optimize technical installations including the integration of technical components. • Ensure alignment of releases in both development and testing environments. 			
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as a technology architect working on the configuration, optimization and deployment of an IBM MDM* integrated project solution implementation, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous MDM versions or instances.</p>			

1.18 Test Coordinator - Specialty in IBM products

Experience and Expertise of the Proposed Test Coordinator – Specialty in IBM products				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Test Coordinator – Specialty in IBM products has:				
Criteria	Mandatory Requirement	Bidder’s response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a test coordinator:</p> <ul style="list-style-type: none"> • Develop and provide advice, guidance and coordination efforts for test strategies and plans, selection of automated testing tools, and identification of resources required for testing. • Plan, organize, schedule, and report on testing efforts for large systems including the execution of systems integration tests, specialized tests, and user acceptance testing (e.g., stress tests). 			
M.2	<p>A minimum of two (2) years of experience, working as a test coordinator, within the last ten (10) years, planning, scheduling, coordinating and reporting on the testing phase of a large scale (project value of \$10 million or greater) IBM Master Data Management (MDM)* solution and/or an IBM Enterprise Service Bus (ESB)* solution implementation at an enterprise level with multiple stakeholders (greater than 2) and multiple integration points.</p> <p>*Or previous versions or instances.</p>			

2.0 Point Rated Evaluation Criteria:

Wherever experience is required, the experience of a referenced project must have a minimum duration of three (3) months in order to be accepted.

2.1 Application Architect – Specialty in IBM Business Process Manager (BPM)

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Business Process Manager (BPM)				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Business Process Manager (BPM) has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	In addition to M2, experience, within the last ten (10) years, working as an application architect on the design, prototyping, components integration and oversight, as part of an IBM Business Process Management (BPM)* Advanced large scale (project value of \$10 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2). *Or previous versions or instances.	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Business Process Manager (BPM)				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Business Process Manager (BPM) has:				
			BIDDER’S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience as an application architect, within the last ten (10) years, performing the integration of IBM Business Process Management (BPM)* with one or more of the following IBM products:</p> <ul style="list-style-type: none"> • IBM Master Data Management(MDM)* • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Business Process Manager (BPM)				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Business Process Manager (BPM) has:				
			BIDDER’S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, within the last ten (10) years, as an application architect in the development of security requirements* of an IBM Business Process Management (BPM) implementation that required an integration with one or more of the following COTS:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)** Standard and/or Advanced • IBM InfoSphere Identity Insight (ISII)** • IBM Master Data Management(MDM)** • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)** • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage/QualityStage <p>*Security requirements include the integration of BPM with other products part of a solution and alignment with security frameworks, security policies, and guidelines.</p> <p>**Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Business Process Manager (BPM)				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Business Process Manager (BPM) has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.4	<p>Experience, within the last ten (10) years, working as an application architect on a project(s) with a BPM component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		50		
Minimum points required		30		

2.2 Application Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>Experience, as an application architect, within the last ten (10) years, on the design, prototyping, components integration and oversight, as part of an IBM Integration Bus (IIB)* – Enterprise Service Bus (ESB) large scale (project value of \$10 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, as an application architect, within the last ten (10) years, performing the integration of IBM IIB-ESB* with one or more of the following products:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)* Standard and/or Advanced • IBM InfoSphere Identity Insight (ISII)* • IBM Master Data Management (MDM)* • IBM Business Process Management (BPM)* Advanced <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, as an application architect, within the last ten (10) years, in the development of security requirements* of an IBM IIB-ESB* implementation that required integration with one or more of the following COTS:</p> <ul style="list-style-type: none"> • Master Data Management (MDM)** • IBM Business Process Management (BPM)** Advanced • IBM Operational Decision Manager (ODM)** Standard and/or Advanced • IBM InfoSphere Identity Insight (ISII)** • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage/QualityStage <p>*Security requirements include the integration of MDM with other products part of a solution and alignment with security frameworks, security policies, and guidelines.</p> <p>**Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:				
			BIDDER’S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.4	<p>Experience, within the last ten (10) years, working as an application architect on projects with an ESB component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		50		
Minimum points required		30		

2.3 Application Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage/Quality Stage

Experience and Expertise of the Proposed Application Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage/Quality Stage				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage/Quality Stage has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	In addition to M2, experience, within the last ten (10) years, working as an application architect on the design, prototyping, components integration and oversight, as part of an IBM InfoSphere Information Server DataStage/QualityStage large scale (project value of \$10 million or greater) solution implementation at an enterprise level with multiple stakeholders (greater than 2).	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage/Quality Stage				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage/Quality Stage has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, as an application architect, within the last ten (10) years, performing the integration of IBM DS/QS with one or more of the following IBM products:</p> <ul style="list-style-type: none"> • IBM Business Process Management (BPM)* Advanced • IBM Master Data Management(MDM)* • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage/Quality Stage				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage/Quality Stage has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, as an application architect, within the last ten (10) years, in the development of security requirements* of an IBM InfoSphere Information Server DataStage/QualityStage implementation that required an integration with one or more of the following COTS:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)** Standard and/or Advanced • IBM InfoSphere Identity Insight (ISII)** • IBM Master Data Management(MDM)** • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)** • IBM Global Name Manager (GNM) • IBM Business Process Management (BPM)** Advanced <p>*Security requirements include the integration of IIS DS/QS with other products part of a solution and alignment with security frameworks, security policies, and guidelines.</p> <p>**Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage/Quality Stage				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage/Quality Stage has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.4	<p>Experience, within the last ten (10) years, working as an application architect on projects using an ETL product for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		50		
Minimum points required		30		

2.4 Application Architect – Specialty in IBM InfoSphere Identity Insight (ISII)

Experience and Expertise of the Proposed Application Architect – Specialty in IBM InfoSphere Identity Insight (ISII)				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM InfoSphere Identity Insight (ISII) has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	In addition to M2, experience within the last eight (8) years, working as an application architect on the design, prototyping, components integration and oversight, as part of an IBM InfoSphere Identity Insight (ISII)* large scale project (project value of \$10 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2). *Or previous versions or instances	15	<ul style="list-style-type: none"> • 2+ to 3 years = 5 points • 3+ to 4 years = 10 points • 4+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM InfoSphere Identity Insight (ISII)				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM InfoSphere Identity Insight (ISII) has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	Experience, as an application architect, within the last eight (8) years, performing the integration of IBM InfoSphere Identity Insight with one or more of the following IBM products: <ul style="list-style-type: none"> • IBM Master Data Management(MDM) • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) 	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM InfoSphere Identity Insight (ISII)				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM InfoSphere Identity Insight (ISII) has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, within the last eight (8) years, as an application architect in the development of security requirements* of an IBM InfoSphere Identity Insight (ISII)** implementation that required an integration with one or more of the following COTS:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)** Standard and/or Advanced • IBM Master Data Management (MDM)** • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)** • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage/QualityStage • IBM Business Process Management (BPM)** Advanced <p>*Security requirements include the integration of IBM InfoSphere Identity Insight with other products part of a solution and alignment with security frameworks, security policies, and guidelines.</p> <p>**Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM InfoSphere Identity Insight (ISII)				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM InfoSphere Identity Insight (ISII) has:				
			BIDDER’S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.4	<p>Experience, within the last ten (10) years, working as an application architect on projects with a relationship analytical tool for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		50		
Minimum points required		30		

2.5 Application Architect – Specialty in IBM Master Data Management (MDM)

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Master Data Management (MDM)				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Master Data Management (MDM) has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	In addition to M2, experience, within the last ten (10) years, working as an application architect on the design, prototyping, components integration and oversight, as part of an IBM Master Data Management (MDM)* large scale (project value of \$10 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2) with 20 million records or more. *Or previous versions or instances.	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Master Data Management (MDM)				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Master Data Management (MDM) has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, as an application architect, within the last ten (10) years, performing the integration of IBM MDM* with one or more of the following IBM products:</p> <ul style="list-style-type: none"> • IBM Business Process Management (BPM)* Advanced • IBM IIS* – DataStage / Quality Stage • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Master Data Management (MDM)				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Master Data Management (MDM) has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, as an application architect, within the last ten (10) years, in the development of security requirements* of an IBM MDM** implementation that required integration with one or more of the following COTS:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM) Standard and/or Advanced** • IBM InfoSphere Identity Insight (ISII)** • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)*** • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage/QualityStage • IBM Business Process Management (BPM)** Advanced <p>*Security requirements include the integration of MDM with other products part of a solution and alignment with security frameworks, security policies, and guidelines.</p> <p>**Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Master Data Management (MDM)				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Master Data Management (MDM) has:				
			BIDDER’S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.4	<p>Experience, within the last ten (10) years, working as an application architect on projects with an MDM component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		50		
Minimum points required		30		

2.6 Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced has:

		BIDDER'S RESPONSE		
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	In addition to M2, experience, within the last ten (10) years, working as an application architect on the design, prototyping, components integration and oversight, as part of an IBM Operational Decision Manager (ODM)* (Standard and/or Advanced), large scale (project value of \$10 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2). *Or previous versions or instances.	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, working as an application architect on the integration of IBM ODM* (Standard and/or Advanced) with one or more of the following IBM products listed below on a large scale project (project value of \$10 million or greater) solution implementation at an enterprise level with multiple stakeholders (greater than 2).</p> <ul style="list-style-type: none"> • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* • IBM Business Process Management (BPM)* Advanced • IBM InfoSphere Information Server (IIS) DataStage/QualityStage <p>*Or previous versions or instances,</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, within the last ten (10) years, as an application architect in the development of security requirements* of a solution implementation that required integration with one or more of the following COTS:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)** Standard and/or Advanced • IBM InfoSphere Identity Insight (ISII)** • IBM Master Data Management(MDM)** • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)** • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage/QualityStage • IBM Business Process Management (BPM)** Advanced <p>*Security requirements include the integration of IBM ODM or ODM Advanced with other products part of a solution and alignment with security frameworks, security policies, and guidelines.</p> <p>**Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Application Architect – Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.4	<p>Experience, within the last ten (10) years, working as an application architect on projects with a rule engine for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		50		
Minimum points required		30		

2.7 Business System Analyst – Specialty in IBM Master Data Management (MDM) Data Governance

Experience and Expertise of the Proposed Business System Analyst – Specialty in IBM Master Data Management (MDM) Data Governance

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Business System Analyst – Specialty in IBM Master Data Management (MDM) Data Governance has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	In addition to M2, experience, within the last eight (8) years, working as a business system analyst responsible for the Data Governance of a large scale MDM solution implementation (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Business System Analyst – Specialty in IBM Master Data Management (MDM) Data Governance				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Business System Analyst – Specialty in IBM Master Data Management (MDM) Data Governance has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last eight (8) years, working as a business system analyst responsible for the Data Stewardship and working with an IBM MDM* Data Stewardship interface of a large scale (project value of \$10 million or greater) IBM MDM solution implementation at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances</p>	15	<ul style="list-style-type: none"> • 2 to 3 years = 5 points • 3+ to 4 years = 10 points • 4+ years = 15 points 	
R.3	<p>Experience, within the last ten (10) years, working as a business system analyst on projects that required the integration of an MDM component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

2.8 Software Developer - Specialty in IBM Business Process Manager (BPM)

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Business Process Manager (BPM)

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Software Developer - Specialty in IBM Business Process Manager (BPM) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	In addition to M2, experience, within the last ten (10) years, working as software developer developing IBM Business Process Management (BPM)* solutions, aligned with a Service Oriented Architecture (SOA), on large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2). *Or previous versions or instances.	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Business Process Manager (BPM)				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Software Developer - Specialty in IBM Business Process Manager (BPM) has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, working as a software developer on large scale projects with a IBM Business Process Management (BPM)* component with integration of one or more of the following products:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)* Standard and/or Advanced • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* • IBM Master Data Management(MDM)* <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	
R.3	<p>Experience, within the last ten (10) years, working as a software developer on projects with a BPM component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

2.9 Software Developer - Specialty in IBM Global Name Management (GNM)

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Global Name Management (GNM)

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Software Developer - Specialty in IBM Global Name Management (GNM) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	In addition to M2, experience, within the last ten (10) years, working as a software developer developing IBM Global Name Manager (GNM) solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Global Name Management (GNM)				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Software Developer - Specialty in IBM Global Name Management (GNM) has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, working as a software developer on a large scale project or initiative (value of \$10 million or greater) with a GNM component with integration of one or more of the following products:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)* Standard and/or Advanced • IBM InfoSphere Identity Insight (ISII)* • IBM Master Data Management (MDM)* • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* • IBM InfoSphere Information Server DataStage/QualityStage • IBM Business Process Management (BPM)* <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Global Name Management (GNM)				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Software Developer - Specialty in IBM Global Name Management (GNM) has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, within the last ten (10) years, working as a software developer on projects with a Global Name Management (GNM) component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

2.10 Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>In addition to M2, experience, within the last ten (10) years, working as a software developer developing IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:

		BIDDER'S RESPONSE		
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, working as a software developer on large scale projects (project value of \$10 million or greater) with an IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* component that required an integration with one or more of the following products:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)* Standard and/or Advanced • IBM InfoSphere Identity Insight (ISII)* • IBM Master Data Management (MDM)* • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage/QualityStage • IBM Business Process Management (BPM)* Advanced <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:

		BIDDER'S RESPONSE		
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, within the last ten (10) years, working as a software developer on projects with an ESB component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

**2.11 Software Developer - Specialty in IBM InfoSphere Information Server (IIS)
DataStage/QualityStage**

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Information Server (IIS) DataStage/QualityStage				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Software Developer - Specialty in IBM Information Server (IIS) DataStage/QualityStage has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	Experience, within the last ten (10) years, working as a software developer developing solutions using IIS DataStage/QualityStage to prepare, cleanse, and standardize data for Master Data Management (MDM) consumption in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Information Server (IIS) DataStage/QualityStage				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Software Developer - Specialty in IBM Information Server (IIS) DataStage/QualityStage has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, working as a software developer on large scale projects (project value of \$10 million or greater) with an IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* component that required an integration with one or more of the following products:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)* Standard and/or Advanced • IBM InfoSphere Identity Insight (ISII)* • IBM Master Data Management (MDM)* • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage/QualityStage • IBM Business Process Management (BPM)* Advanced <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Information Server (IIS) DataStage/QualityStage				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Software Developer - Specialty in IBM Information Server (IIS) DataStage/QualityStage has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, within the last ten (10) years, working as a software developer on projects with an ESB component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

2.12 Software Developer - Specialty in IBM Infosphere Identity Insight (ISII)

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Infosphere Identity Insight (ISII)

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Software Developer - Specialty in IBM Infosphere Identity Insight (ISII) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>In addition to M2, experience, within the last ten (10) years, working as a software developer developing IBM InfoSphere Identity Insight (ISII)* solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Infosphere Identity Insight (ISII)

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Software Developer - Specialty in IBM Infosphere Identity Insight (ISII) has:

		BIDDER'S RESPONSE		
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, working as a software developer on large scale projects (project value of \$10 million or greater) with an IBM InfoSphere Identity Insight (ISII)* component with integration of one or more of the following products:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)* Standard and/or Advanced • IBM Integration Service Bus (IIB) – Enterprise Service Bus (ESB)* • IBM Master Data Management(MDM)* <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	
R.3	<p>Experience, within the last ten (10) years, working as a software developer on projects with a relationship analytical tool for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

2.13 Software Developer - Specialty in IBM Master Data Management (MDM) – Java Development

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Master Data Management (MDM) – Java Development				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Software Developer - Specialty in IBM Master Data Management (MDM) – Java Development has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	In addition to M2, experience, within the last ten (10) years, working as a Java software developer developing IBM Master Data Management (MDM)* solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2). *Or previous versions or instances	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Master Data Management (MDM) – Java Development				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Software Developer - Specialty in IBM Master Data Management (MDM) – Java Development has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, working as a software developer on large scale projects (project value of \$10 million or greater) with a Master Data Management (MDM)* component with integration of one or more of the following products:</p> <ul style="list-style-type: none"> • IBM Enterprise Service Bus (ESB)* • IBM DataStage/QualityStage <p>*Or previous versions or instances</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	
R.3	<p>Experience, within the last ten (10) years, working as a software developer on projects with an MDM component for a government client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

2.14 Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>In addition to M2, experience, within the last ten (10) years, working as a software developer developing IBM Operational Decision Management (ODM)* (or previous versions or instances) solutions including the creation of executable object models (XOM), business object models (BOM), and the authoring of rules for a rules engine**, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances. **Includes separate Business rules and Business events components prior to creation of IBM ODM (Advanced).</p>	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, working as a software developer on large scale projects with an IBM ODM* component with integration of one or more of the following products:</p> <ul style="list-style-type: none"> • IBM Business Process Management (BPM)* • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* • IBM Master Data Management (MDM)* <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	
R.3	<p>Experience, within the last five (5) years, working as a software developer on projects with an ODM* Standard and/or Advanced component with volumes equal to or exceeding 10 million transactions per year.</p> <p>*Or previous versions or instances.</p>	5	<ul style="list-style-type: none"> • 10 million to 12 million transactions = 1 point • 12+ million to 14 million transactions = 3 points • 14+ million transactions per year = 5 points 	

Experience and Expertise of the Proposed Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard/Advanced has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.4	<p>Experience, within the last ten (10) years, working as a software developer on projects with a rule engine component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		40		
Minimum points required		24		

2.15 Software Developer - Specialty in pME (probabilistic Matching Engine) – Matching algorithm development

Experience and Expertise of the Proposed Software Developer - Specialty in pME (probabilistic Matching Engine) – Matching algorithm development				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Software Developer - Specialty in pME (probabilistic Matching Engine) – Matching algorithm development has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>Experience, within the last ten (10) years, working as a software developer configuring the probabilistic and deterministic engines within an IBM Master Data Management (MDM)* solution implementation, in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Software Developer - Specialty in pME (probabilistic Matching Engine) – Matching algorithm development				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Software Developer - Specialty in pME (probabilistic Matching Engine) – Matching algorithm development has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, working as a software developer on a large scale project (project value of \$10 million or greater) with an MDM* component with integration of one or more of the following products:</p> <ul style="list-style-type: none"> • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* • IBM InfoSphere Information Server DataStage/QualityStage <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	
R.3	<p>Experience, within the last ten (10) years, working as a software developer on projects with an MDM component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

2.16 Technology Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration/Release Management

Experience and Expertise of the Proposed Technology Architect - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration/Release Management

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Technology Architect - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration/Release Management has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>Experience within the last ten (10) years working as a technology architect working on the configuration, optimization and deployment of an IBM Integration Bus (IIB) - Enterprise Service Bus (ESB)* project solution implementation, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$10 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 3 to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Technology Architect - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration/Release Management				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Technology Architect - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration/Release Management has:				
		BIDDER'S RESPONSE		
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, as a technology architect performing the integration of IBM Integration Bus (IIB) - IBM Enterprise Service Bus (ESB)* with the IBM Business Process Management (BPM)* Advanced IBM product and one or more of the following IBM products:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)* Standard and/or Advanced • IBM InfoSphere Identity Insight (ISII)* • IBM Master Data Management(MDM)* • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage/QualityStage <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	
R.3	<p>Experience, within the last ten (10) years, working as a software developer on projects with an MDM component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

2.17 Technology Architect – Specialty in IBM Master Data Management (MDM) Configuration/Release Management

Experience and Expertise of the Proposed Technology Architect - Specialty in IBM Master Data Management (MDM) Configuration/Release Management

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Technology Architect - Specialty in IBM Master Data Management (MDM) Configuration/Release Management has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>Experience, working as an technology architect, within the last ten (10) years, developing, implementing and maintaining automated build and load deployment scripts for an IBM MDM* project.</p> <p>*Or previous MDM versions or instances.</p>	15	<ul style="list-style-type: none"> • 1+ to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Technology Architect - Specialty in IBM Master Data Management (MDM) Configuration/Release Management

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Technology Architect - Specialty in IBM Master Data Management (MDM) Configuration/Release Management has:

		BIDDER'S RESPONSE		
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	Experience, within the last ten (10) years, performing the maintenance of an MDM project application source code repository.	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	
R.3	Experience, within the last ten (10) years, working as a technology architect on projects that required the integration, deployment, and configuration of an MDM component for a government* client. *Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

2.18 Test Coordinator – Specialty in IBM products

Experience and Expertise of the Proposed Test Coordinator – Specialty in IBM products				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Test Coordinator – Specialty in IBM products has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>In addition to M2, experience, working as a test coordinator, within the last ten (10) years, planning, scheduling, coordinating and reporting on the testing phase of a large scale (project value of \$10 million or greater) IBM Master Data Management (MDM)* solution and/or an IBM Enterprise Service Bus (ESB)* solution implementation at an enterprise level with multiple stakeholders (greater than 2) and multiple integration points.</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 2+ to 3 years = 5 points • 3+ to 4 years = 10 points • 4+ years = 15 points 	

Experience and Expertise of the Proposed Test Coordinator – Specialty in IBM products				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Test Coordinator – Specialty in IBM products has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>experience, within the last ten (10) years, working as a Test Coordinator years to plan, schedule, and report on the functional and system integration testing of solutions that integrates at least two (2) of the following IBM components:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)** Standard and/or Advanced • IBM InfoSphere Identity Insight (ISII)** • IBM Master Data Management (MDM)** • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)** • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage/QualityStage • IBM Business Process Management (BPM)** Advanced <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 2 to 3 years = 5 points • 3+ to 4 years = 10 points • 4+ years = 15 points 	

Experience and Expertise of the Proposed Test Coordinator – Specialty in IBM products				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Test Coordinator – Specialty in IBM products has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, within the last ten (10) years, working as a test coordinator on projects that required the integration and testing of components aligned with a SOA and/or MDM for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		