



**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
Public Works and Government Services Canada  
ATB Place North Tower  
10025 Jasper Ave./10025 ave. Jasper  
5th floor/5e étage  
Edmonton  
Alberta  
T5J 1S6  
Bid Fax: (780) 497-3510

**REQUEST FOR PROPOSAL**  
**DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

**Comments - Commentaires**

<b>Title - Sujet</b> BigData Prototype Tool	
<b>Solicitation No. - N° de l'invitation</b> W7702-175875/A	<b>Date</b> 2017-05-15
<b>Client Reference No. - N° de référence du client</b> W7702-175875	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$EDM-064-11080	
<b>File No. - N° de dossier</b> EDM-6-39278 (064)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2017-06-06</b>	
<b>Time Zone</b> <b>Fuseau horaire</b> Mountain Daylight Saving Time MDT	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Scott, Dallas	<b>Buyer Id - Id de l'acheteur</b> edm064
<b>Telephone No. - N° de téléphone</b> (780) 497-3578 ( )	<b>FAX No. - N° de FAX</b> (780) 497-3510
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DEPARTMENT OF NATIONAL DEFENCE Bldg 560 Receiving 560 Mount Sorrell Road Ralston Alberta T0J 2N0 Canada	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

**Vendor/Firm Name and Address**

**Raison sociale et adresse du fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**

Public Works and Government Services Canada  
ATB Place North Tower  
10025 Jasper Ave./10025 ave Jasper  
5th floor/5e étage  
Edmonton  
Alberta  
T5J 1S6

<b>Delivery Required - Livraison exigée</b> See Herein	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

**TITLE: BIGDATA PRELIMINARY PROTOTYPING TOOL**

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## **PART 1 - GENERAL INFORMATION**

### **1.1 Introduction**

The bid solicitation is divided into seven parts plus attachments and annexes, as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;
- Part 3 Bid Preparation Instructions: provides Bidders with instructions on how to prepare their bid;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, and the basis of selection;
- Part 5 Certifications and Additional Information: includes the certifications and additional information to be provided;
- Part 6 This part is intentionally left blank; and
- Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The Annexes include the Statement of Work, the Basis of Payment, Disclosure Certification, Evaluation Criteria, and the Electronic Payment Instruments

### **1.2 Summary**

- 1.2.1** Defence Research and Development Canada (DRDC) – Suffield Research Centre (SRC) is seeking the services of a contractor for the design of a BigData proof of concept prototype software tool for the analysis of complex diagnostic measurements of biological and chemical agent data. The prototype tool would not necessarily be end-user compatible. It could require an expert or developer to demonstrate its function. DRDC SRC has been experimenting with colourimetric sensor arrays to identify an unknown against a library of known samples as possible diagnostic or detection tools. Each data set has associated metadata (for example: time, quantity, mixture) which are not a priori predictable, which may also be useful to identify an unknown against a library of known samples. If the prototype proof of concept is successful, SRC will consider optional development to deliver an operator usable system deployable on a portable computer (WIN7) or cell phone (IOS preferred). This tool will be a complete end-user system.

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The estimated period of the Contract is from date of contract to 2019-03-31;  
PROTOTYPE DEVELOPMENT must be delivered four (4) months after contract award,  
OPTIONAL DEVELOPMENT (Must only be exercised by the Contracting Authority  
through a contract amendment) must be delivered before 2019-03-31.

**1.2.2** The requirement is subject to the provisions of the Agreement on Internal Trade (AIT).

**1.2.3** The requirement is limited to Canadian goods and/or services.

### **1.3 Debriefings**

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

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## PART 2 - BIDDER INSTRUCTIONS

### 2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2017-04-27), Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days  
Insert: 120 days

### 2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

Due to the nature of the bid solicitation, bids transmitted by facsimile to PWGSC will be accepted.

### 2.3 Former Public Servant

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to FPSs, bidders must provide the information required below before contract award. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to comply with Canada's request and meet the requirement within the prescribed time frame will render the bid non-responsive.

#### Definitions

For the purposes of this clause, "former public servant" is,

any former member of a department as defined in the *Financial Administration Act*, R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- a. an individual;
- b. an individual who has incorporated;
- c. a partnership made of former public servants; or
- d. a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"pension" means a pension or annual allowance paid under the [Public Service Superannuation Act](#) (PSSA), R.S., 1985, c. P-36, and any increases paid pursuant to the [Supplementary Retirement Benefits Act](#), R.S., 1985, c. S-24 as it affects the PSSA. It does not include pensions payable pursuant to the [Canadian Forces Superannuation Act](#), R.S., 1985, c. C-17, the [Defence Services Pension Continuation Act](#), 1970, c. D-3, the [Royal Canadian Mounted Police Pension Continuation Act](#), 1970, c. R-10, and the [Royal Canadian Mounted Police Superannuation Act](#), R.S., 1985, c. R-11, the [Members of Parliament Retiring Allowances Act](#), R.S. 1985, c. M-5, and that portion of pension payable to the [Canada Pension Plan Act](#), R.S., 1985, c. C-8.

### Former Public Servant in Receipt of a Pension

*(To be completed by the Bidder)*

As per the above definitions, is the Bidder a FPS in receipt of a pension? **Yes ( ) No ( )**

If so, the Bidder must provide the following information, for all FPSs in receipt of a pension, as applicable:

- a. name of former public servant;
- b. date of termination of employment or retirement from the Public Service.

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with [Contracting Policy Notice: 2012-2](#) and the [Guidelines on the Proactive Disclosure of Contracts](#).

### Work Force Adjustment Directive

*(To be completed by the Bidder)*

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive? **Yes ( ) No ( )**

If so, the Bidder must provide the following information:

- a. name of former public servant;
- b. conditions of the lump sum payment incentive;
- c. date of termination of employment;
- d. amount of lump sum payment;
- e. rate of pay on which lump sum payment is based;
- f. period of lump sum payment including start date, end date and number of weeks;

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- g. number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including Applicable Taxes.

## **2.4 Enquiries - Bid Solicitation**

All enquiries must be submitted in writing to the Contracting Authority no later than ten (10) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

## **2.5 Applicable Laws**

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Alberta.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

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## **PART 3 - BID PREPARATION INSTRUCTIONS**

### **3.1 Bid Preparation Instructions**

Canada requests that Bidders provide their bid in separately bound sections as follows:

- Section I: Technical Bid (one [1] hard copy)
- Section II: Management Bid (one [1] hard copy)
- Section III: Financial Bid (one [1] hard copy)
- Section IV: Certifications (one [1] hard copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, Bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

#### **Section I: Technical Bid**

In their technical bid, Bidders should demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements. Bidders should demonstrate their capability and describe their approach in a thorough, concise and clear manner for carrying out the work.

The technical bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated. Simply repeating the statement contained in the bid solicitation is not sufficient. In order to facilitate the evaluation of the bid, Canada requests that Bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, Bidders may refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

#### **Section II: Management Bid**

In their management bid, Bidders must describe their capability and experience, the project management team and provide client contact(s).

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### **Section III: Financial Bid**

**3.1.1** Bidders must submit their financial bid in accordance with the Basis of Payment in Annex "B". The total amount of Applicable Taxes must be shown separately.

**3.1.2 Electronic Payment of Invoices – Bid**

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex "E" Electronic Payment Instruments, to identify which ones are accepted.

If Annex "E" Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

### **Section IV: Certifications**

Bidders must submit the certifications and additional information required under Part 5.

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## PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

### 4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical, management, and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

#### 4.1.1 Technical / Management Evaluation

Mandatory technical criteria, point rated technical criteria, and management evaluation criteria are included in Annex "D".

#### 4.1.2 Financial Evaluation

The costs for the items in Annex "B" will be added together to obtain the Total Estimated Cost to a Limitation of Expenditure.

### 4.2 Basis of Selection

#### 4.2.1 Highest Combined Rating of Technical Merit and Price

1. To be declared responsive, a bid must:
  - a. comply with all the requirements of the bid solicitation; and
  - b. meet all mandatory criteria; and
  - c. obtain the required minimum of **90** points overall for the technical evaluation criteria which are subject to point rating.  
The rating is performed on a scale of **128** points.
2. Bids not meeting (a) or (b) or (c) will be declared non-responsive.
3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be **60%** for the technical merit and **40%** for the price.
4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of **60%**.
5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of **40%**.
6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.
7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

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The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 60/40 ratio of technical merit and price, respectively. The total available points equals 135 and the lowest evaluated price is \$45,000 (45).

**Basis of Selection - Highest Combined Rating Technical Merit (60%) and Price (40%)**

	<b>Bidder 1</b>	<b>Bidder 2</b>	<b>Bidder 3</b>
<b>Overall Technical Score</b>	115/135	89/135	92/135
<b>Bid Evaluated Price</b>	\$55,000.00	\$50,000.00	\$45,000.00
<b>Calculations</b>			
<b>Technical Merit Score</b>	115/135 x 60 = 51.11	89/135 x 60 = 39.56	92/135 x 60 = 40.89
<b>Pricing Score</b>	45/55 x 40 = 32.73	45/50 x 40 = 36.00	45/45 x 40 = 40.00
<b>Combined Rating</b>	83.84	75.56	80.89
<b>Overall Rating</b>	1st	3rd	2nd

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## PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue, whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

### 5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

#### 5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide with its bid the required documentation, as applicable, to be given further consideration in the procurement process.

### 5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame specified will render the bid non-responsive.

#### 5.2.1 Integrity Provisions – Required Documentation

In accordance with the *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

#### 5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the *Employment and Social Development Canada (ESDC) - Labour's website* ([http://www.esdc.gc.ca/en/jobs/workplace/human\\_rights/employment\\_equity/federal\\_contractor\\_program.page?&\\_ga=1.229006812.1158694905.1413548969#afed](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969#afed)).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

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## 5.2.3 Additional Certifications Precedent to Contract Award

### 5.2.3.1 Canadian Content Certification

This procurement is limited to Canadian services.

The Bidder certifies that:

( ) the service offered is a Canadian service as defined in paragraph 2 of clause [A3050T](#).

*(To be completed by the Bidder)*

**5.2.3.1.1** SACC Manual clause [A3050T](#) (2014-11-27), Canadian Content Definition.

### 5.2.3.2 Status and Availability of Resources

The Bidder certifies that, should it be awarded a contract as a result of the bid solicitation, every individual proposed in its bid will be available to perform the Work as required by Canada's representatives and at the time specified in the bid solicitation or agreed to with Canada's representatives. If for reasons beyond its control, the Bidder is unable to provide the services of an individual named in its bid, the Bidder may propose a substitute with similar qualifications and experience. The Bidder must advise the Contracting Authority of the reason for the substitution and provide the name, qualifications and experience of the proposed replacement. For the purposes of this clause, only the following reasons will be considered as beyond the control of the Bidder: death, sickness, maternity and parental leave, retirement, resignation, dismissal for cause or termination of an agreement for default.

If the Bidder has proposed any individual who is not an employee of the Bidder, the Bidder certifies that it has the permission from that individual to propose his/her services in relation to the Work to be performed and to submit his/her résumé to Canada. The Bidder must, upon request from the Contracting Authority, provide a written confirmation, signed by the individual, of the permission given to the Bidder and of his/her availability.

### 5.2.3.3 Education and Experience

**5.2.3.3.1** SACC Manual clause [A3010T](#) (2010-08-16), Education and Experience

**PART 6 - THIS PART IS INTENTIONALLY LEFT BLANK**

## **PART 7 - RESULTING CONTRACT CLAUSES**

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

### **7.1 Statement of Work**

The Contractor must perform the Work in accordance with the Statement of Work at Annex "A" and the technical and management portions of the Contractor's bid entitled \_\_\_\_\_.

#### **7.1.1 Optional Goods and/or Services**

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at Annex "A": OPTIONAL DEVELOPMENT of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise the option at any time before the expiry of the Contract by sending a written notice to the Contractor.

### **7.2 Standard Clauses and Conditions**

All clauses and conditions identified in the Contract by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual)(<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

#### **7.2.1 General Conditions**

[2040](#) (2016-04-04), General Conditions - Research & Development, apply to and form part of the Contract.

#### **7.2.2 Supplemental General Conditions**

[4002](#) (2010-08-16), Software Development or Modification Services, apply to and form part of the Contract.

### **7.3 Security Requirements**

**7.3.1** There is no security requirement applicable to the Contract.

### **7.4 Term of Contract**

#### **7.4.1 Period of the Contract**

The period of the Contract is from date of Contract to \_\_\_\_\_ inclusive (inserted at contract award)

## 7.5 Authorities

### 7.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Dallas Scott  
Procurement Officer  
Public Services and Procurement Canada  
Acquisitions Branch  
Western Region

ATB Place, North Tower  
5<sup>th</sup> Floor, 10025 – Jasper Avenue  
Edmonton, AB T5J 1S6

Telephone: 780 – 224 – 7200  
Facsimile: 780 – 497 – 3510  
E-mail address: [dallas.scott@pwgsc-tpsgc.gc.ca](mailto:dallas.scott@pwgsc-tpsgc.gc.ca)

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

### 7.5.2 Technical Authority

The Technical Authority for the Contract is:

*(To be named in the contract)*

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

### 7.5.3 Procurement Authority

The Procurement Authority for the Contract is:

*(To be named in the contract)*

The Procurement Authority is the representative of the department or agency for whom the Work is being carried out under the Contract. The Procurement Authority is responsible for the implementation of tools and processes required for the administration of the Contract. The Contractor may discuss administrative matters identified in the Contract with the Procurement Authority however the Procurement Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of Work can only be made through a contract amendment issued by the Contracting Authority.

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#### 7.5.4 Contractor's Representative

*(To be completed by the bidder)*

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
  
Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

#### 7.6 Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a [Public Service Superannuation Act](#) (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with [Contracting Policy Notice: 2012-2](#) of the Treasury Board Secretariat of Canada.

#### 7.7 Payment

##### 7.7.1 Basis of Payment - Limitation of Expenditure

The Contractor will be reimbursed for the costs reasonably and properly incurred in the performance of the Work, as determined in accordance with the Basis of Payment in Annex "B", to a limitation of expenditure of \$\_\_\_\_\_ (*insert the amount at contract award*). Customs duties are included and Applicable Taxes are extra.

##### 7.7.2 Limitation of Expenditure

1. Canada's total liability to the Contractor under the Contract must not exceed \$\_\_\_\_\_ (*insert the amount at contract award*). Customs duties are included and Applicable Taxes are extra.
2. No increase in the total liability of Canada or in the price of the Work resulting from any design changes, modifications or interpretations of the Work, will be authorized or paid to the Contractor unless these design changes, modifications or interpretations have been approved, in writing, by the Contracting Authority before their incorporation into the Work. The Contractor must not perform any work or provide any service that would result in Canada's total liability being exceeded before obtaining the written approval of the Contracting Authority. The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:
  - a. when it is 75 percent committed, or
  - b. four (4) months before the contract expiry date, or
  - c. as soon as the Contractor considers that the contract funds provided are inadequate for the completion of the Work, whichever comes first.

3. If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority a written estimate for the additional funds required. Provision of such information by the Contractor does not increase Canada's liability.

### 7.7.3 Method of Payment

#### 7.7.3.1 Progress Payments

1. Canada will make progress payments in accordance with the payment provisions of the Contract, no more than once a month, for cost incurred in the performance of the Work, up to **90** percent of the amount claimed and approved by Canada if:
  - a. an accurate and complete claim for payment using form [PWGSC-WR01](#), Claim for Progress Payment, and any other document required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
  - b. the amount claimed is in accordance with the basis of payment;
  - c. the total amount for all progress payments paid by Canada does not exceed **100** percent of the total amount to be paid under the Contract;
  - d. all certificates appearing on form [PWGSC-WR01](#) have been signed by the respective authorized representatives.
2. The balance of the amount payable will be paid in accordance with the payment provisions of the Contract upon completion and delivery of all work required under the Contract if the Work has been accepted by Canada and a final claim for the payment is submitted.
3. Progress payments are interim payments only. Canada may conduct a government audit and interim time and cost verifications and reserves the rights to make adjustments to the Contract from time to time during the performance of the Work. Any overpayment resulting from progress payments or otherwise must be refunded promptly to Canada.

#### 7.7.4 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

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### 7.7.5 SACC Manual clauses

[A9117C](#) (2007-11-30), T1204 - Direct Request by Customer Department

[C0710C](#) (2007-11-30), Time and Contract Price Verification

[C0711C](#) (2008-05-12), Time Verification

**OR**

[C0705C](#) (2010-01-11), Discretionary Audit

## 7.8 Invoicing Instructions

### 7.8.1 Progress Payment Claim - Supporting Documentation required

1. The Contractor must submit a claim for payment using form [PWGSC-WR01](#), Claim for Progress Payment.

Each claim must show:

- a. all information required on form [PWGSC-WR01](#);
- b. all applicable information detailed under the section entitled "Invoice Submission" of the general conditions;
- c. a list of all expenses;
- d. expenditures plus pro-rated profit or fee; *(if applicable)*
- e. the description and value of the milestone claimed as detailed in the Contract. *(if applicable)*

Each claim must be supported by: *(if applicable)*

- a. a copy of time sheets to support the time claimed;
  - b. a copy of the invoices, receipts, vouchers for all direct expenses, travel and living expenses;
  - c. a copy of the monthly progress report.
2. Applicable Taxes must be calculated on the total amount of the claim before the holdback is applied. At the time the holdback is claimed, there will be no Applicable Taxes payable as it was claimed and payable under the previous claims for progress payments.
  3. The Contractor must prepare and certify one original and two (2) copies of the claim on form [PWGSC-WR01](#), and forward it to the Procurement Authority identified under the section entitled "Authorities" of the Contract for appropriate certification after inspection and acceptance of the Work takes place.

The Procurement Authority will then forward the claim to the Payment Office for the remaining certification and payment action.

4. The Contractor must not submit claims until all work identified in the claim is completed.

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## 7.9 Certifications and Additional Information

### 7.9.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

### 7.9.2 SACC Manual Clauses

A3060C (208-05-12), Canadian Content Certification

### 7.9.3 Disclosure Certification

On completion of the Work, the Contractor must submit to the Procurement Authority and to the Contracting Authority a copy of the Disclosure Certification attached as Annex "C" stating that all applicable disclosures were submitted or that there were no disclosures to submit under section 27 and 28 of general conditions 2040.

## 7.10 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in \_\_\_\_\_. (*Insert the name of the province or territory as specified by the Bidder in its bid, if applicable.*)

## 7.11 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the supplemental general conditions 4002 (2010-08-16), Software Development or Modification Services, apply to and form part of the Contract.
- (c) the general conditions 2040 (2016-04-04), General Conditions - Research & Development;
- (d) Annex "A", Statement of Work;
- (e) Annex "B", Basis of Payment;
- (f) Annex "C", Disclosure Certification;
- (g) the Contractor's bid dated \_\_\_\_\_, (*insert date of bid*) (*If the bid was clarified or amended, insert at the time of contract award:*"), as clarified on \_\_\_\_\_ " **or** ", as amended on \_\_\_\_\_ " *and insert date(s) of clarification(s) or amendment(s)*).

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File No. - N° du dossier  
EDM-6-39278

Buyer ID - Id de l'acheteur  
EDM064  
CCC No./N° CCC - FMS No./N° VME

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## 7.12 **SACC Manual clauses**

- [A9006C](#) (2012-07-16), Defence Contract
- [A2000C](#) (2006-06-16), Foreign Nationals (Canadian Contractor)
- [A9062C](#) (2011-05-16), Canadian Forces Site Regulations
- [B6800C](#) (2007-11-30), List of Non-consumable Equipment and Material
- [G1005C](#) (2016-01-28), Insurance - No Specific Requirement

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## ANNEX "A"

### STATEMENT OF WORK

#### 1. TITLE

BIGDATA PRELIMINARY PROTOTYPING TOOL

#### 2. REQUIREMENT

##### PROTOTYPE DEVELOPMENT

Defence Research and Development Canada (DRDC) – Suffield Research Centre (SRC) is seeking the services of a contractor for the design of a BigData proof of concept prototype software tool for the analysis of complex diagnostic measurements of biological and chemical agent data. The prototype tool would not necessarily be end-user compatible. It could require an expert or developer to demonstrate its function. DRDC SRC has been experimenting with colourimetric sensor arrays to identify an unknown against a library of known samples as possible diagnostic or detection tools. Each data set has associated metadata (for example: time, quantity, mixture) which are not a priori predictable, which also be useful to identify an unknown against a library of known samples.

##### OPTIONAL DEVELOPMENT

*\*\*\*Must only be exercised by the Contracting Authority through a contract amendment\*\*\**

If the prototype proof of concept is successful, SRC will consider optional development to deliver an operator usable system deployable on a portable computer (WIN7) or cell phone (IOS preferred). This tool will be a complete end-user system. Deliverables will include documentation (user manual), bug tracking and an expanded data base. Based on success in the development of the prototype described above, DRDC SRC also requires computational tools for the analysis of complex diagnostic data of biological and chemical agents. As an example, DRDC SRC has been experimenting with colourimetric sensor arrays (there are multiple published papers in this area) as possible diagnostic or detection tools. Data are collected as a series of time-sampled images, often in parallel for multiple samples. Each data set will have associated metadata (for example: time, quantity, mixture, location, identity if known) which may be useful elements, but which are not a priori predictable. In order to use this diagnostic tool (colourimetric sensor arrays) to identify an unknown against a library of known samples, the contractor will develop tools for the analysis of image data, feature extraction, statistical or other analysis, towards a useable classifier of unknowns against a database of knowns built by the contractor using the supplied raw data. It is anticipated that non-trivial tools such as neural network analysis, support vector machines, and machine learning may be necessary to fully exploit this data. The same sophisticated analysis tools will be useful to support a continuing need for analytical work on other complex data types, including for example, multiparameter physiological trace data from model systems trials, and clinical or life history data from patients with suspected PTSD or other health issues. DRDC seeks a contractor with demonstrated capabilities in complex multiparameter data analysis, application development, classification tools (unknowns versus knowns), and data presentation.

#### 3. ACRONYMS

DRDC	Defence Research and Development Canada
SRC	Suffield Research Center
TA	Technical Authority
PTSD	Post-Traumatic Stress Disorder

#### 4. APPLICABLE DOCUMENTS & REFERENCES

None.

#### 5. TASKS

##### PROTOTYPE DEVELOPMENT

**Task 5.1**      BigData proof of concept prototype software tool with the features such as image alignment (from colour images of various image types, sizes), alignment to known array pattern, denoising, data extraction, and classification of unknown sample versus knowns. Prototype will be operational on desktop computer (may use cloud or networked HPC capability). Ideally the software would be operating system agnostic (e.g. web interface). Demonstration by developer or expert user of the capabilities and potential of the approach. May be command-line driven for expert user.

##### OPTIONAL DEVELOPMENT

*\*\*\*Must only be exercised by the Contracting Authority through a contract amendment\*\*\**

**Task 5.2**      Create an end-user deployable system to manage large image data sets to enable data input, pre-processing, analysis, and classification. System should be able to integrate new samples into the database as needed. System should be able to generate default automated reports, or customized reports. System should operate from a desktop environment, using either stand-alone or web-based computational tools.

**Task 5.3**      Develop a data pre-processing pipeline including as needed: image alignment, feature extraction, denoising, filtering, outlier identification (e.g. failed arrays)

**Task 5.4**      Develop a user interface including data input, database updates, visualization, reports, and documentation as required.

**Task 5.5**      Develop a classification and reporting tool to compare unknowns against existing knowns. Specifically, a classification tool that allows the analysis of volatile organic compounds (VOCs) based on time and colour domain varying colourimetric sensor array data, to compare unknown samples versus a database of "known" records. Reports of classification should include confidence scoring.

**Task 5.6**      Develop predictive tools for unknowns which "look like" database knowns, or have no comparatives in the existing database

**Task 5.7**      Demonstrate capabilities to reiterate Tasks 5.1 to 5.4 for complex data structures, such as physiological trace data, clinical data etc., from data provided by the TA.

**Task 5.8**      Summary of work and developments, with an outline for deployment/access for end users, proposal for either ongoing system support or permanent licensing out to DRDC.

## 6. DELIVERABLES

Deliverable	Task Reference	Description of Deliverable	Quantity and Format
<b>PROTOTYPE DEVELOPMENT</b>			
<b>6.1</b>	5.1	Preliminary tool to extract image data from colourimetric arrays, denoise, align, remove outliers, identify, and exclude damaged images, digitize, score, and compare to library of data, with development of preliminary curation, search, and classification tool. Identify unknown versus known (in library), or score as "similar to" or "not found"	Demonstration of prototype – by WebEx or videoconference with sufficiency to process library of existing data (in the order of 500 arrays)
<b>OPTIONAL DEVELOPMENT</b> <i>***Must only be exercised by the Contracting Authority through a contract amendment***</i>			
<b>6.2</b>	5.2	Dataset management: dataset creation, editing, upload, and download	SQL-compatible Database adequate to support >20,000 entries (including replicates), with end-user input and report generation capabilities
<b>6.3</b>	5.3	Pre-processing pipeline which could include: image alignment, rotation, image denoiser, segmentation, feature data extraction, dimensionality reduction, principal component, and independent component analysis, outlier detection	Demonstration (by WebEx or videoconference) of Software tools to execute image analysis and data extraction, online or locally installable.
<b>6.4</b>	5.4	User interface: will include data submission, data set visualization, bug report, FAQ, user guide, web-based, suitable for desktop (Windows 7 or higher) or mobile connection (IOS preferred).	Demonstration (by WebEx or videoconference) of end user software interface, with English documentation (MS Word)
<b>6.5.1</b>	5.5	Classification of unknown based on training dataset: classification requirements: training one or more classifiers to determine ideal classifier of a minimum of two different classifiers (e.g. multilayer perceptron, support vector machine). Training classification results report.	Report and demonstration (by WebEx or videoconference) of classifier tools against

			panel (e.g. 20 true unknowns)
<b>6.5.2</b>	5.5	Testing classification result review: Accuracy >= 95% based on a sufficient training set	Demonstration (by WebEx or videoconference) of accuracy of classification scheme with minimum of 20 unknowns.
<b>6.6</b>	5.6	Develop predictive tools for imperfect or non-matches between unknowns and reference database entries	Database report on nearest match, comparisons most similar.
<b>6.7</b>	5.7	Demonstrate capabilities for analysis of complex data sets (physiological, clinical).	Discovery-quality data analysis with report of results
<b>6.8</b>	5.8	Summary Report	Length and content as required, electronic document format (MS Word)

## 7. DATE OF DELIVERY

### 7.1 PROTOTYPE DEVELOPMENT

Deliverable 6.1: Four (4) months after contract award.

### 7.2 OPTIONAL DEVELOPMENT

*\*\*\*Must only be exercised by the Contracting Authority through a contract amendment\*\*\**

Deliverables 6.2-6.8: Before March 31, 2019

## 8. LANGUAGE OF WORK

English.

## 9. LOCATION OF WORK

The work must be performed at the contractor's site.

## 10. DELIVERY

Electronic delivery location will be provided by the TA.

## 11. TRAVEL

The contractor is not required to travel.

## 12. MEETINGS

### 12.1 PROTOTYPE DEVELOPMENT

- 12.1.1 Teleconferences for discussion of progress, as required; and
- 12.1.2 Demonstration of prototype – by WebEx or videoconference

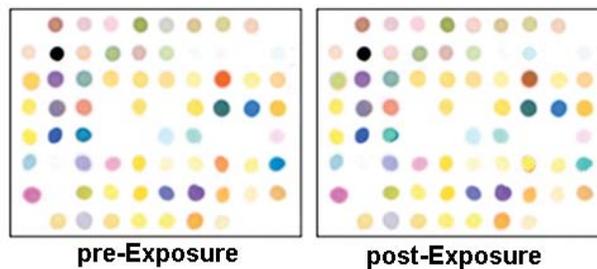
### 12.2 OPTIONAL DEVELOPMENT

\*\*\*Must only be exercised by the Contracting Authority through a contract amendment\*\*\*

- 12.2.1 Quarterly teleconferences for discussion of progress; and
- 12.2.2 Annual demonstration of progress – by WebEx or videoconference

## 13. GOVERNMENT FURNISHED INFORMATION (GFI)

**GFI1:** For the colourimetric array work, DRDC will provide image data from colourimetric arrays and metadata for the development of the analysis software, for a maximum of 1500 arrays, involving multiple samples. Details of the array chemistry, design, and development will not be provided. Sample array images for pre and post exposure images of the same array:



**GFI2:** For clinical or physiological data, DRDC will provide either summarized encoded data (e.g. spreadsheets, flat files, database extracts, or trace files) containing text and/or numerical fields, and linked metadata.

## 14. GOVERNMENT FURNISHED EQUIPMENT (GFE)

None.

## 15. SPECIAL CONSIDERATIONS

None.

**ANNEX "B"**

**BASIS OF PAYMENT**

Payment will be made for time expended and other costs reasonably and properly incurred from the date of contract to contract completion in accordance with the following:

(Note: line items listed below are considered "As Applicable")

ITEM	DESCRIPTION	ESTIMATED COST: PROTOTYPE DEVELOPMENT		ESTIMATED COST: OPTIONAL DEVELOPMENT	
1.	Labour at firm (daily/hourly) rates. One day consists of 7.5 hours. The rates will be prorated for any period of more or less than one day.				
	<i>Title</i> <i>Name</i> <i>Days</i> <i>Rate</i> <i>Days</i> <i>Rate</i>				
A)		\$	_____	\$	_____
B)		\$	_____	\$	_____
C)		\$	_____	\$	_____
D)		\$	_____	\$	_____
E)		\$	_____	\$	_____
	<b>TOTAL ESTIMATED LABOR:</b>	\$	_____	\$	_____
2.	Material and supplies at laid down cost without mark-up, including				
	<i>List items</i>				
A)		\$	_____	\$	_____
B)		\$	_____	\$	_____
C)		\$	_____	\$	_____
3.	Purchased equipment at laid down cost without mark-up, including				
	<i>List items</i>				
A)		\$	_____	\$	_____
B)		\$	_____	\$	_____
C)		\$	_____	\$	_____
4.	Subcontracting at actual cost incurred without mark-up				
	<i>Subcontractor name</i>				
A)		\$	_____	\$	_____
5.	Travel and Living: the Contractor will be reimbursed its authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for profit and/or administrative overhead, in accordance with the meal, private vehicle and incidental expenses provided in Appendices B, C and D of the Treasury Board Travel Directive ( <a href="http://www.tbs-sct.gc.ca/pubs_pol/hrpubs/TBM_113/td-dv_e.asp">http://www.tbs-sct.gc.ca/pubs_pol/hrpubs/TBM_113/td-dv_e.asp</a> ), and with the other provisions of the directive referring to "travelers",	\$	_____	\$	_____

	rather than those referring to "employees" are applicable. All travel must have prior authorization of the Technical Authority All payments are subject to government audit.		
	<b>OR</b>		
	Authorized travel and living expenses in accordance with the University's Standard Travel Policy. Claims for travel expenses must include an explanation of who, where, when duration and purpose of travel. <i>(Applicable to Universities only)</i>	\$ _____	\$ _____
6.	<b>Other direct charges</b> at actual cost incurred without mark-up, including (list any other costs which may be applicable, giving an estimated cost for each e.g. computing costs, long distance telephone/facsimile charges, reproduction, shipping). <i>List Items</i>		
A)		\$ _____	\$ _____
B)		\$ _____	\$ _____
C)		\$ _____	\$ _____
D)		\$ _____	\$ _____
E)		\$ _____	\$ _____
7.	<b>Computing charges</b> at standard university rates. <i>(Applicable to Universities only)</i>	\$ _____	\$ _____
8.	<b>Standard University Overhead</b> as follows: <i>(Applicable to Universities only)</i>		
A)	at a maximum 65% of on-campus labour (item 1)	\$ _____	\$ _____
B)	at a maximum 30% of off-campus labour (item 1)	\$ _____	\$ _____
C)	at a maximum 2% of travel expenses (item 6)	\$ _____	\$ _____
	<b>ESTIMATED OVERHEAD:</b>	\$ _____	\$ _____
9.	<b>Firm profit, not to exceed</b>		
A)		\$ _____	\$ _____
	<b>ESTIMATED COST TO A LIMITATION OF EXPENDITURE</b>	\$ _____	\$ _____
	<b>TOTAL ESTIMATED COST TO A LIMITATION OF EXPENDITURE</b>	\$ _____	

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Buyer ID - Id de l'acheteur  
EDM064  
CCC No./N° CCC - FMS No./N° VME

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With the exception of the firm rate(s) and price(s), the amounts shown in the various items specified above are estimates only. Minor changes to these estimates will be accepted for billing purposes as the Work proceeds, provided that these changes have the prior approval of the Technical Authority, and provided that the estimated cost does not exceed the aforementioned Limitation of Expenditure.

**APPLICABLE TAXES:** The applicable taxes are not included in the amounts above. The applicable taxes are to be shown as a completely separate item on each invoice.

F.O.B. Point: Defence Research and Development Canada – Suffield Research Centre

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CCC No./N° CCC - FMS No./N° VME

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**ANNEX "C"**

**DISCLOSURES CERTIFICATION**

This document is to be completed and signed by the Contractor at the completion of the subject contract and submitted to the Contracting Officer and the Technical Authority designated below:

**Contracting Authority**

Dallas Scott  
Procurement Officer  
Public Works & Government Services Canada  
Procurement and Compensation Branch,  
Western Region  
ATB Place, North Tower, 5th Floor  
10025 Jasper Avenue NW  
Edmonton, AB T5J 1S6

**Technical Authority**

(T.A.)  
Defence Research & Development Canada –  
Suffield Research Centre  
P.O. Box 4000 Main  
Medicine Hat, AB T1A 8K6

**CONTRACT TITLE:** BIGDATA PRELIMINARY PROTOTYPING TOOL

Please tick appropriate box:

- We hereby certify that all applicable disclosures were submitted in compliance with Section 28, General Conditions 2040 - Research and Development.

**YOUR ATTENTION IS DRAWN TO SECTION 28, REGARDING IMPLICATIONS ON NON-DISCLOSURE OF** any Technical Documentation, Prototypes, Inventions and Technical Information arising during the performance of work pursuant to the above identified contract.

OR

- We hereby certify that there are no disclosures to submit under the above-referenced Contract, referred to in Section 28, General Conditions 2040 - Research and Development.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Contractor Name

\_\_\_\_\_  
Date

**ANNEX "D"**

**EVALUATION CRITERIA**

**1. MANDATORY TECHNICAL CRITERIA**

Bidders must demonstrate they meet the following Mandatory Technical Criteria. Failure to meet any of the following mandatory technical criteria at bid closing will render the bid non-responsive and it will be given no further consideration.

Curriculum vitae and documentation that demonstrates compliance to the items listed in the table below must be provided prior to bid close to demonstrate compliance to the Mandatory Technical Criteria.

	<b>MANDATORY TECHNICAL CRITERIA</b>	<b>REFERENCED IN BID</b>
<b>1.1</b>	Bidder must have capability to develop image feature extraction (demonstration from prior work)	
<b>1.2</b>	Bidder must have experience with complex data analysis (prior work or publication as itemized in c.v. or publication list) within last 5 years.	
<b>1.3</b>	Bidder must have minimum two examples of prior experience with "big data", clinical or epidemiological data analysis (prior work or publications)	

**2. POINT RATED TECHNICAL CRITERIA**

Each point rated evaluation criterion has a number allotment ("weight") that reflects its importance in proposal submissions. The degree to that the proposal satisfies the requirement of each criterion will be assessed and a "rating" will be assigned ranging from 0 to 4, as described below. A score will be assessed by multiplying the weight by the rating.

Each proposal must achieve a minimum score of **90** of the maximum total points available overall. Proposals that fail to achieve this score will be considered technically unacceptable and will be given no further consideration.

Documentation that demonstrates compliance to the items listed in the table below must be provided prior to bid close to demonstrate compliance to the Point Rated Technical Criteria.

	<b>POINT RATED TECHNICAL CRITERIA</b> (Rating: 4=excellent, 3=very good, 2=average, 1=poor, 0=nothing)			
<b>2.1</b>	<b>TECHNICAL BID</b>	<b>WEIGHT</b>	<b>RATING</b>	<b>SCORE</b>
<b>2.1.1</b>	<u>Understanding of scope and objectives.</u> The Bidder should include a short introduction with a brief evaluation of the need for the project, the objectives of the proposed Work, and the reasons for carrying it out as proposed and the benefits to be derived. Narrative should show understanding of the complexity of the data issues and the analysis issues.	4		
<b>2.1.2.</b>	<u>Proposed work feasibility, approach and methodology.</u> The Bidder should clearly outline the approach and proposed methodology to meet the requirement. The proposed technical approach must be compliant with the requirements of the Statement of Work provided as part of the bid solicitation. Sufficient detail should be provided	4		

	to demonstrate the Bidder's grasp of the requirement and the Bidder's competence to meet it, as well as limitations of the developed solution.			
2.1.3	<u>Work plan, schedule and deliverables.</u> The Bidder should include a list of specific tasks and deliverables and the proposed schedule for completion of the work or delivery.	4		
2.1.4.	<u>Recognition of problems and solutions proposed.</u> The Bidder should state any major difficulties that are anticipated and explain how it would address these difficulties.	2		
2.1.5	<u>Demonstrated original and innovative ideas.</u>	2		
2.1.6	<u>Proposed plan for further developing and exploiting commercially the results of the Work.</u> The Bidder should describe how the results of the Work might be further developed or exploited commercially by its organization.	2		
2.1.7	<u>Project Manager</u> - qualifications and relevant experience, including their position within the organization. The Bidder should provide the name of the Project Manager who will be assigned to this requirement, demonstrating their combination of education, qualifications, publications and experience. Their curriculum vitae should also be included. (Project manager may be the Senior Scientist)  Relevant experience in the following or similar areas: Computer science, large dataset analysis, databases, image analysis, data refinement, neural networks  4 points = 6+ publications OR 60+ months experience 3 points = 4-5 publications OR 36-59 months experience 2 points = 2-3 publications OR 12-35 months experience 1 point = 1 publication OR less than 1-11 months experience 0 points = 0 publications OR 0 months experience	4		
2.1.8	<u>Other key personnel</u> (i.e. other than the Project Manager) - qualifications and relevant experience proven by similar or related work. The Bidder should provide the names of all other key personnel who will be assigned to this requirement, demonstrating their education, qualifications (including language capability *) and experience. Their curriculum vitae should also be included.  Relevant experience in the following areas: Computer science, large dataset analysis, databases, image analysis, data refinement, neural networks  4 points = MSc* OR 48+ months experience 3 points = BSc* OR 24-47 months experience 2 points = Diploma* OR 12-23 months experience	2		

	1 point = No formal education AND 1-11 months experience 0 points = no formal education AND 0 months experience			
2.1.9	<u>Bidder's organization</u> - its relevant experience in analysis of large data sets and/or image analysis and competence proven by similar or related work. The Bidder should demonstrate the background and experience of its organization, particularly as it relates to this requirement.	2		
<b>2.2</b>	<b>MANAGEMENT BID</b>	<b>WEIGHT</b>	<b>RATING</b>	<b>SCORE</b>
2.2.1	<u>Proposed level of effort and planned team organization</u> , including availability of team members and backup capability, reporting structure, and capability to carry out the project within the time frame allotted. The Bidder should include a description of the team (including subcontractors, as applicable), the reporting structure, as well as the ability of the proposed team to complete the Work.	4		
2.2.2	<u>Project management tools or methodology</u> . The Bidder should describe how it proposes to control the management of the project, including subcontracts. In particular, where the Bidder represents a consortium, the approach should include clear descriptions of the arrangements between the members of the consortium and the management processes to be put in place to manage the ongoing performance of the consortium members.	2		
		<b>MAXIMUM TOTAL POINTS AVAILABLE</b>		<b>128</b>
		<b>MINIMUM TOTAL POINTS ACCEPTABLE (70.3%)</b>		<b>90</b>
		<b>TOTAL POINTS AWARDED</b>		

\*If the supporting documentation for these items is not provided at bid closing, the Contracting Authority will notify the Bidder that they must provide supporting documentation within two (2) business days following notification. Failure to comply with the request of the Contracting Authority within that time period, will deem the bid non-responsive and the bid will be given no further consideration.

Solicitation No. - N° de l'invitation  
W7702-175875/A  
Client Ref. No. - N° de réf. du client  
W7702-175875

Amd. No. - N° de la modif.  
File No. - N° du dossier  
EDM-6-39278

Buyer ID - Id de l'acheteur  
EDM064  
CCC No./N° CCC - FMS No./N° VME

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**ANNEX "E"**

**ELECTRONIC PAYMENT INSTRUMENTS**

The Bidder accepts to be paid by any of the following Electronic Payment Instrument(s):

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);
- Large Value Transfer System (LVTS) (Over \$25M)