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RETOURNER LES SOUMISSIONS À:

Réception des soumissions - TPSGC / Bid Receiving
- PWGSC

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NA

Québec

NA

**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

Title - Sujet Imaging Gas Filter Correlation Radiometric (iGFCR) Sensor Design and Development	
Solicitation No. - N° de l'invitation W7701-217378/A	Date 2021-01-29
Client Reference No. - N° de référence du client W7701-217378	
GETS Reference No. - N° de référence de SEAG PW-\$QCL-043-18093	
File No. - N° de dossier QCL-0-43194 (043)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Standard Time EST on - le 2021-02-18 Heure Normale du l'Est HNE	
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Hamel, Jonathan	Buyer Id - Id de l'acheteur qcl043
Telephone No. - N° de téléphone (438) 401-1381 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: BAT 53 DRDC-Defence R&D Canada-Valcartier BATISSE 53 2459 ROUTE DE LA BRAVOURE QUEBEC Québec G3J1X5 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

TPSGC/PWGSC
601-1550, Avenue d'Estimauville
Québec
Québec
G1J 0C7

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

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Buyer ID - Id de l'acheteur
qc1043
CCC No./N° CCC - FMS No./N° VME

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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 Security, Financial and Other Requirements: includes specific requirements that must be addressed by Bidders; and
- Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

Annex

- A – Statement of work
- B – Resources
- C – Basis of Payment
- D – Federal Contractors program for employment equity - certification
- E – Non-disclosure agreement
- F – DND 626 form, Task authorisation
- G – Request for visit

Attachments

- 1 – Financial Evaluation
- 2 – List of names for Integrity
- 3 – Certifications
- 4 – Former Public Servant
- 5 – Electronic payment instruments
- 6 - TPSGC 1111

1.2 Summary

Defence Research and Development Canada (DRDC) – Valcartier Research Centre has investigated some capabilities of the iGFCR in the past few years and is looking to improve the research capability in the field. The first studies were limited to the MidWare Infrared (MWIR) region and DRDC is looking to extend their knowledge in the longwave infrared (LWIR) and the shortwave infrared (SWIR) regions.

Due to the scientific nature of the work performed, which requires state of the art sensors, DRDC require the expertise, knowledge and services of a contractor to develop, modify, upgrade and improve concepts or equipment in the field of iGFCR.

This task authorization contract is for 5 years.

The requirement is limited to Canadian services.

The Federal Contractors Program (FCP) for employment equity applies to this procurement; refer to Part 5 – Certifications and Additional Information, Part 7 - Resulting Contract Clauses and the annex titled Federal Contractors Program for Employment Equity - Certification.

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

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.

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) (<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](#) (2020-05-28) 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: 90 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 and time indicated on page 1 of the bid solicitation.

Only bids submitted using epost Connect service will be accepted. The bidder must send an email requesting to open an epost Connect conversation to the following address:

TPSGC.RQReceptionSoumissions-QRSupplyTendersReception.PWGSC@tpsgc-pwgsc.gc.ca

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions [2003](#), or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

It is the bidder's responsibility to ensure the request for opening an epost Connect conversation is sent to the email address above at least six days before the Request for proposals closing date.

Transmission of bids by facsimile or hardcopy to PWGSC **will not** 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

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: 2019-01](#) and the [Guidelines on the Proactive Disclosure of Contracts](#).

Work Force Adjustment Directive

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

2.4 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority (sonia.beauchesne@tpsgc-pwgsc.gc.ca) no later than five (5) 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 Quebec.

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.

2.6 Bid Challenge and Recourse Mechanisms

- (a) Several mechanisms are available to potential suppliers to challenge aspects of the procurement process up to and including contract award.
- (b) Canada encourages suppliers to first bring their concerns to the attention of the Contracting Authority. Canada's [Buy and Sell](#) website, under the heading "[Bid Challenge and Recourse Mechanisms](#)" contains information on potential complaint bodies such as:
 - Office of the Procurement Ombudsman (OPO)
 - Canadian International Trade Tribunal (CITT)
- (c) Suppliers should note that there are **strict deadlines** for filing complaints, and the time periods vary depending on the complaint body in question. Suppliers should therefore act quickly when they want to challenge any aspect of the procurement process.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

- Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications

Bids transmitted by facsimile or hard copy will not be accepted.

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 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: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment in Annex C.

3.1.1 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Attachment 5 Electronic Payment Instruments, to identify which ones are accepted.

If Attachment 5 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.

3.1.2 Exchange Rate Fluctuation

[C3011T](#) (2013-11-06), Exchange Rate Fluctuation

Section III: Certifications

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

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 and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

In their proposals, Bidders must demonstrate that they meet the following mandatory evaluation criteria. Failure to meet any of the mandatory evaluation criteria will render the proposal non-responsive, automatically eliminating it from the process.

Bidders should provide project descriptions demonstrating which of the required experiences their firm has provided for previous mandates. The projects submitted will be evaluated based on their relevance, diversity and complexity.

For each proposed project, the Bidder should include at least the following information:

- i. Reference to the criteria demonstrated
- ii. Project title and location
- iii. Project objectives, description and characteristics
- iv. Resources involved (and CVs)
- v. Scope of work/services provided
- vi. Project start and end dates (month/year)
- vii. Dollar value of the project

4.1.1.1 Mandatory Technical Criteria (MC)

	CRITERIA	YES	NO
MC1	Bidder provided information on their technical capability and expertise in iGFCR		
MC2	Bidder must have experience in iGFCR sensor design		
MC3	Bidder must have experience in iGFCR sensor development		
MC4	Bidder must have experience in iGFCR sensor manufacturing		
MC5	Bidder provided information including resumes on current personnel to be involved with this project		

4.1.1.2 Point Rated Technical Criteria (RC)

	CRITERIA	Min	Max
RC1	Number of month of experience in iGFCR technology 23 months and less : 0 points 24 to 59 months : 5 points 60 to 120 months : 10 points More than 120 months : 15 points	5	15

RC2	Number of month of experience in iGFCR phenomenology and performance 23 months and less : 0 points 24 to 59 months : 5 points 60 to 120 months : 10 points More than 120 months : 15 points	5	15
RC3	Number of month of experience in iGFCR modeling and analysis 23 months and less : 0 points 24 to 59 months : 5 points 60 to 120 months : 10 points More than 120 months : 15 points	5	15
RC4	Number of month of experience in iGFCR sensor design 23 months and less : 0 points 24 to 59 months : 5 points 60 to 120 months : 10 points More than 120 months : 15 points	5	15
RC5	Number of month of experience in iGFCR data analysis 23 months and less : 0 points 24 to 59 months : 5 points 60 to 120 months : 10 points More than 120 months : 15 points	5	15
TOTAL		25/75	75/75
Bonus	Experience in iGFCR sensor building (+ 5pts)	0	5
Bonus	Experience in iGFCR data collection campaign (+ 5pts)	0	5
Bonus	Experience in remote sensing (+ 5pts)	0	5
TOTAL		25/75	90/75 = 75/75

4.1.2 Financial Evaluation

4.1.2.1 Mandatory Financial Criteria

Bidders must submit their financial proposal in accordance with "Section II: Financial Proposal" of Part 3 - Bid Preparation Instructions.

4.1.2.2 Price Evaluation

The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, FOB destination, Canadian customs duties and excise taxes included. The financial

evaluation will be calculated in accordance with Attachment 1 "Financial Evaluation" with information provided by the Bidder in Annex C "Basis of Payment".

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 points specified for criteria numbers 1, 2, 3, 4, 5 for the technical evaluation, and
 - d. obtain the required minimum of 25 points overall for the technical evaluation criteria which are subject to point rating.
The rating is performed on a scale of 75 points.
2. Bids not meeting (a) or (b) or (c) and (d) 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 70 % for the technical merit and 30 % 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 70 %.
5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 30 %.
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.

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 70/30 ratio of technical merit and price, respectively. The total available points equals 75 and the lowest evaluated price is \$80.00.

Basis of Selection - Highest Combined Rating Technical Merit (70%) and Price (30%)

		Bidder 1	Bidder 2	Bidder 3
Overall Technical Score		90/75 = 75/75	50/75	60/75
Bid Evaluated Price		\$90.00	\$85.00	\$80.00
Calculations	Technical Merit Score	$75/75 \times 70 = 70.00$	$50/75 \times 70 = 46.67$	$60/75 \times 70 = 56.00$
	Pricing Score	$80/90 \times 30 = 26.67$	$80/85 \times 30 = 28.24$	$80/80 \times 30 = 30.00$
Combined Rating		96.67	74.91	86.00
Overall Rating		1st	3rd	2nd

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 Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the Integrity declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.1.2 Additional Certifications Required with the Bid

5.1.2.1 Canadian Content Certification

SACC Manual clause [A3055T](#) (2020-07-01) Canadian Content Certification

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 section titled Information to be provided when bidding, contracting or entering into a real property agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<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

(<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

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.

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](#)" list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed annex titled Federal Contractors Program for Employment Equity - Certification, before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

5.2.3 Additional Certifications Precedent to Contract Award

5.2.3.1 Status and Availability of Resources

SACC Manual clause [A3005T](#) (2010-08-16) Status and Availability of Resources.

5.2.3.2 Education and Experience

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

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qc1043
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PART 6 - SECURITY, FINANCIAL AND OTHER REQUIREMENTS

6.1 Financial Capability

SACC *Manual* clause [A9033T](#) (2012-07-16) Financial Capability

PART 7 - RESULTING CONTRACT CLAUSES

This title and the following sentence will be deleted at contract award.

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 Contractor's technical bid dated _____ (to be filled at contract award by PWGSC).

7.1.1 Task Authorization

The Work or a portion of the Work to be performed under the Contract will be on an "as and when requested basis" using a Task Authorization (TA). The Work described in the TA must be in accordance with the scope of the Contract.

7.1.1.1 Task Authorization Process

7.1.1.1.1 Description of Task Authorization (TA) tasks

Canada will provide the Contractor with a description of tasks.

The description of TA tasks will include information on activities to be performed, a description of the deliverables and a schedule indicating completion dates for the major activities or submission dates for the deliverables. It will also include the applicable bases and methods of payment as specified in the Contract.

More specifically, the description of TA tasks will include the following information:

- (a) the task number;
- (b) a detailed Statement of Work (SOW) for the task, outlining the activities to be performed and the deliverables (such as reports) to be submitted;
- (c) the required start and completion dates (if any);
- (d) a schedule of milestone completion dates for major work activities, deliverables and payments;
- (e) whether the work performance will require on-site activities at a given location;
- (f) the work site;
- (g) the level of security clearance required of the Contractor's personnel;

Where applicable, the description of TA tasks must also include the following:

- (a) a description of any travel requirements including the content and format of any required travel report;
- (b) the language profile required of the Contractor's personnel;
- (c) categories of key resources;
- (d) any other constraints that might affect task completion.

7.1.1.1.2 Contractor's TA proposal

Within **ten (10) business days** of receipt of the description of TA tasks, the Contractor must provide Canada with the proposed total estimated cost for performing the tasks and a breakdown of that cost, established in accordance with Annex C - Basis of Payment of the resulting Contract. The Contractor must

submit a quote, identifying its proposed resources and detailing the cost and time to complete the task(s).

The proposal will be valid for **at least twenty (20) business days** from the date on which the offer was received. The Contractor will not be paid for preparing or submitting the quote or for providing other information required to prepare and issue the TA. The Contractor must provide all information requested and related to preparation of the TA, within five business days of the request by Canada.

For each proposed resource, the Contractor's TA proposal must include the following, unless the proposed resource(s) was/were proposed and evaluated prior to contract award:

- A resumé for each of the proposed resources. The Contractor's proposal must demonstrate that each proposed resource meets the requirements set out in Annex A – Statement of Work of the resource category for which it is proposed (including any educational requirements, work experience and professional designation or membership requirements. With respect to resumé and resources:
 - (a) Proposed resources may be employees of the Contractor or employees of a subcontractor, or these individuals may be independent contractors to whom the Contractor would subcontract a portion of the work.
 - (b) For educational requirements for a particular degree, designation or certificate, Canada will only consider educational programs that were successfully completed by the resource by the date the Contractor submits its TA quote.
 - (c) For work experience, Canada will not consider experience gained as part of an educational program, except for experience gained through a formal co-operative program at a post-secondary institution (where applicable).
 - (d) For any requirements that specify a particular time period (e.g. two years) of work experience, Canada will disregard any information about experience if the individual's resumé does not include the relevant dates for the experience claimed (i.e., the start date and end date indicated in months).
 - (e) The resumé must not simply indicate the title of the individual's position, but must also demonstrate that the resource has the required work experience by explaining responsibilities and work performed by the individual while in that position. Simply listing experience without providing any supporting data to describe responsibilities, duties and relevance to the requirement, or reusing the same wording as the TA Form, will not be considered "demonstrated" for the purposes of the assessment. The Contractor should provide complete details as to where, when, month and year, and how, through which activities/responsibilities, the stated qualifications/experience were obtained. In situations in which a proposed resource worked at the same time on more than one project, only one project will be counted toward any requirements that relate to the individual's length of experience.

When directed by Canada, the Contractor must also provide a technical proposal including, if applicable, the following:

- (a) a description of the understanding of the objectives and the scope of work;

- (b) a description of the approach and methodology that will be used to perform the work;
- (c) a description of the expected deliverables;
- (d) an estimate of the expected degree of success;
- (e) proposed deviations from the requirements;
- (f) identification of the major risks and a risk mitigation plan;
- (g) a comprehensive work schedule and prioritization of activities to be performed.

7.1.1.1.3 Approval of the Task Authorization

The Contractor must not begin the work until the approved TA has been received by Canada. The Contractor acknowledges that any work performed before the TA has been received will be done at the Contractor's own risk.

The work will be approved or confirmed by Canada through a Task Authorization Form – DND 626 in Annex F.

7.1.1.2 Task Authorization Limit

The DND Procurement Authority may authorize individual task authorizations up to a limit of \$150,000, Applicable Taxes included, inclusive of any revisions.

Any task authorization to be issued in excess of that limit must be authorized by the Contracting Authority before issuance.

7.1.1.3 Minimum Work Guarantee - All the Work - Task Authorizations

1. In this clause,
 - "Maximum Contract Value" means the amount specified in the "Limitation of Expenditure" clause set out in the Contract; and
 - "Minimum Contract Value" means 10%.
2. Canada's obligation under the Contract is to request Work in the amount of the Minimum Contract Value or, at Canada's option, to pay the Contractor at the end of the Contract in accordance with paragraph 3. In consideration of such obligation, the Contractor agrees to stand in readiness throughout the Contract period to perform the Work described in the Contract. Canada's maximum liability for work performed under the Contract must not exceed the Maximum Contract Value, unless an increase is authorized in writing by the Contracting Authority.
3. In the event that Canada does not request work in the amount of the Minimum Contract Value during the period of the Contract, Canada must pay the Contractor the difference between the Minimum Contract Value and the total cost of the Work requested.
4. Canada will have no obligation to the Contractor under this clause if Canada terminates the Contract in whole or in part for default.

7.1.1.4 Task Authorization - Department of National Defence

The administration of the Task Authorization process will be carried out by The Procurement and Payment group at Defence Research and Development Canada - Valcartier,

represented by the DND Procurement Authority. This process includes monitoring, controlling and reporting on expenditures of the contract with task authorizations to the Contracting Authority.

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](#) (2020-05-28), 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.

7.2.3 SACC Manual Clauses

[K3015C](#) (2008-05-12), Confidentiality of Foreground Information

[K3020C](#) (2008-05-12), License to Canada's Information

[K3415C](#) (2020-07-01), Commercialization in Canada

7.2.4 Non-disclosure Agreement

The Contractor must obtain from its employee(s) or subcontractor(s) the completed and signed non-disclosure agreement, attached at Annex E, and provide it to the Technical Authority before they are given access to information by or on behalf of Canada in connection with the Work.

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 60 months after Contract Award inclusive.

7.5 Authorities

7.5.1 Contracting Authority

The Contracting Authority for the Contract is: [\(to be completed by PWGSC at contract award\)](#)

Name: _____

Title: _____

Public Works and Government Services Canada

Acquisitions Branch

Telephone: _____
E-mail address: _____

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 Project Authority

The Technical Authority for the Contract is: [\(to be completed by the contracting authority at Contract Award\)](#)

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: ____ - ____ - ____
Facsimile: ____ - ____ - ____
E-mail address: _____

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 Contractor's Representative

Administrative representative :

Name :
Telephone :
Facsimile :
Email :

Technical representative :

Name :
Telephone :
Facsimile :
Email :

7.5.4 DND Procurement Authority

[\(to be completed by the contracting authority at Contract Award\)](#)

The DND Procurement Authority for the Contract is:

_____ (Name of Procurement Authority)
_____ (Title)
_____ (Organization)
_____ (Address)

Telephone: _____
Facsimile: _____
E-mail: _____.

The DND 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.

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: 2019-01](#) of the Treasury Board Secretariat of Canada.

7.7 Payment

7.7.1 Basis of Payment

(i) For the Work provided under a Task Authorization subject to a Firm Price:

In consideration of the Contractor satisfactorily completing all of its obligations under the authorized Task Authorization (TA), the Contractor will be paid a firm price in accordance with the basis of payment, in Annex C, as specified in the authorized TA. Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been authorized, in writing, by the Contracting Authority before their incorporation into the Work.

(ii) For the Work provided under a Task Authorization subject to a Ceiling Price :

The Contractor will be reimbursed its costs reasonably and properly incurred in the performance of the Work, plus a profit, as determined in accordance with the Basis of Payment in Annex C, to the ceiling price specified in the approved TA. Customs duties are included and Applicable Taxes are extra.

The ceiling price is subject to downward adjustment so as not to exceed the actual costs reasonably incurred in the performance of the Work and computed in accordance with the Basis of Payment.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work unless they have been approved, in writing, by the Contracting Authority, before their incorporation into the Work.

Ceiling price: *A ceiling price is the maximum amount of money that may be paid to a contractor. By establishing a ceiling price, the contractor must fulfill all of its contractual*

obligations relative to the work to which this basis of payment applies without additional payment whether or not the actual costs incurred exceed the ceiling price.

(iii) For the Work provided under a Task Authorization subject to a Limitation of Expenditure :

The Contractor will be reimbursed for the costs reasonably and properly incurred in the performance of the Work specified in the authorized Task Authorization (TA), as determined in accordance with the Basis of Payment in Annex C, to the limitation of expenditure specified in the authorized TA.

Canada's liability to the Contractor under the authorized TA must not exceed the limitation of expenditure specified in the authorized TA. Customs duties are included and Applicable Taxes are extra.

No increase in the liability of Canada or in the price of the Work specified in the authorized TA 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 authorized, 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 liability to the Contractor under the authorized TA being exceeded before obtaining the written approval of the Contracting Authority.

(iv) Travel and Living Expenses :

There will be no travel time or travel and living expenses payable for services rendered within 50 kilometres from Defence Research and Development Canada - Valcartier, located at 2459 Pie-XI Blvd North, Quebec City, Quebec.

For services rendered further than 50 kilometres from Defence Research and Development Canada - Valcartier, the Contractor will be paid its actual travel time in accordance with the hourly rates detailed in Annex C, Basis of Payment.

The Contractor will be reimbursed for the authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for overhead or profit, in accordance with the meal and private vehicle allowances specified in Appendices B, C and D of the *National Joint Council Directive*, and with the other provisions of the directive referring to "travellers", rather than those referring to "employees".

All travel must have the prior authorization of the Technical Authority.

7.7.2 Limitation of Expenditure - Cumulative Total of all Task Authorizations

1. Canada's total liability to the Contractor under the Contract for all authorized Task Authorizations (TAs), inclusive of any revisions, must not exceed the sum of \$ 1,300,00.00. Customs duties are included and Applicable Taxes are extra.
2. No increase in the total liability of Canada will be authorized or paid to the Contractor unless an increase has been approved, in writing, by the Contracting Authority.
3. 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 sum is inadequate for the completion of the Work required in all authorized TAs, inclusive of any revisions,
- whichever comes first.
4. 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 Payments will be made not more frequently than once a month.

7.7.3.2 Depending on the method of payment specified in the applicable TA, one of the following methods of payment clauses will apply.

7.7.3.2.1 Single Payment (For a Firm Price TA, for a TA subject to a Limitation of Expenditure or a Ceiling Price)

Canada will pay the Contractor upon completion and delivery of the Work associated with the Task Authorization in accordance with the payment provisions of the Contract if:

- (a) an accurate and complete claim for payment using PWGSC-TPSGC 1111, Claim for Progress Payment, and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- (b) all such documents have been verified by Canada;
- (c) the Work delivered has been accepted by Canada.

7.7.3.2.2 Milestone Payments (For a Firm Price TA)

For any task authorization issued under the Contract that includes a schedule of milestone payments to be made once specific portions of the work have been completed and accepted, Canada will make milestone payments in accordance with the Schedule of Milestones detailed in the Task Authorization and the payment provisions of the Contract if:

- (a) an accurate and complete claim for milestone payment using PWGSC-TPSGC 1111, 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) all the certificates appearing on form PWGSC-TPSGC 1111 have been signed by the respective authorized representatives;
- (c) all work associated with the milestone and as applicable any deliverable required has been completed and accepted by Canada.

7.7.3.2.3 Progress Payments (For a TA subject to a Limitation of Expenditure or a Ceiling Price)

-
- (a) Canada will make progress payments in accordance with the payment provisions of the Task Authorization and the Contract, no more than once a month, for costs incurred in the performance of the Work up to 90 percent of the amount claimed and approved by Canada if:
- (i) an accurate and complete claim for payment using form PWGSC-TPSGC 1111, 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;
 - (ii) the amount claimed is in accordance with the Basis of Payment and the Task Authorization;
 - (iii) the total amount for all progress payments paid by Canada does not exceed 90 percent of the total amount to be paid under the Task Authorization.
 - (iv) all certificates appearing on form PWGSC-TPSGC 1111 have been signed by the respective authorized representatives.
- (b) The balance of the amount payable will be paid in accordance with the payment provisions of the Task Authorization and the Contract upon completion and delivery of all work required under the Task Authorization if the Work has been accepted by Canada and a final claim for the payment is submitted.
- (c) Progress payments are interim payments only. Canada may conduct a government audit and interim time and cost verifications and reserves the right 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 SACC Manual clauses

[A9117C](#) (2007-11-30), T1204- Direct Request by Customer Department
[C0305C](#) (2014-06-26), Cost Submission

7.7.5 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):
(will be completed as per Bidder instructions in Attachment 5)

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);

7.7.6 Discretionary Audit

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

7.8 Invoicing Instructions

The Contractor must submit a claim for payment using form PWGSC-TPSGC 1111. Form PWGSC-TPSGC 1111 is available at the following Website <http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html>

Each claim must show:

- (a) all information required on form PWGSC-TPSGC 1111;
 - (b) all applicable information detailed under the section entitled "Invoice Submission" of the general conditions;
 - (c) the Task Authorization (TA) number;
 - (d) the description of the milestone invoiced, as applicable.
2. For TAs subject to a Limitation of Expenditure or a Ceiling Price, each invoice must be supported by :
- (a) a list of all expenses, in accordance with the TA;
 - (b) a copy of time sheets to support the time claimed;
 - (c) a copy of the invoices, receipts, vouchers for all direct expenses, travel and living expenses;
 - (d) a copy of the monthly progress report.
3. 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.
4. The Contractor must prepare and certify the claim on form PWGSC-TPSGC 1111, and forward it to the Contracting Authority for certification at the following address:
- QueReclamation.QueClaim@tpsgc-pwgsc.gc.ca**
- The Contracting Authority will then forward the claim to the Technical Authority for appropriate certification after inspection and acceptance of the Work takes place, and onward submission to the Payment Office for the remaining certification and payment.
5. The Contractor must not submit claims until all work identified in the claim is completed.

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 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be

added to the "[FCP Limited Eligibility to Bid](#)" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

7.9.3 SACC Manual Clauses

[A3060C](#) (2008-05-12), Canadian Content Certification

7.10 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Quebec.

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;
- (c) the general conditions [2040](#) (2020-05-28), General Conditions - Research & Development;
- (d) Annex A, Statement of Work;
- (e) Annex B, Resources;
- (f) Annex C, Basis of Payment;
- (g) Annex D, Federal Contractors Program for Employment Equity – Certification;
- (h) Annex E, Non-disclosure Agreement;
- (i) Annex F, DND 626, Task Authorization Form
- (j) Annex G, Request for Visit Form (if applicable);
- (k) the signed Task Authorizations (including all of its annexes, if any);
- (l) the Contractor's bid dated _____, (*insert date of bid*).

7.12 Defence Contract

SACC Manual clause [A9006C](#) (2012-07-16) Defence Contract

7.13 Foreign Nationals (Canadian Contractor)

SACC Manual clause [A2000C](#) (2006-06-16) Foreign Nationals (Canadian Contractor)

7.14 Insurance

SACC Manual clause [G1005C](#) (2016-01-28) Insurance - No Specific Requirement

7.15 Progress Reports

1. The Contractor must submit monthly reports, in electronic format, on the progress of the Work, to both the Technical Authority and the Contracting Authority.
2. The progress report must contain two parts:

-
- (a) PART 1: The Contractor must answer the following three questions:
- (i) Is the project on schedule?
 - (ii) Is the project within budget?
 - (iii) Is the project free of any areas of concern in which the assistance or guidance of Canada may be required?

Each negative response must be supported with an explanation.

- (b) PART 2: A narrative report, brief, yet sufficiently detailed to enable the Technical Authority to evaluate the progress of the Work, containing as a minimum:
- (i) A description of the progress of each task and of the Work as a whole during the period of the report. Sufficient sketches, diagrams, photographs, etc., must be included, if necessary, to describe the progress accomplished.
 - (ii) An explanation of any variation from the work plan.
 - (iii) A description of trips or conferences connected with the Contract during the period of the report.
 - (iv) A description of any major equipment purchased or constructed during the period of the report.

7.16 Dispute Resolution

- (a) The parties agree to maintain open and honest communication about the Work throughout and after the performance of the contract.
- (b) The parties agree to consult and co-operate with each other in the furtherance of the contract and promptly notify the other party or parties and attempt to resolve problems or differences that may arise.
- (c) If the parties cannot resolve a dispute through consultation and cooperation, the parties agree to consult a neutral third party offering alternative dispute resolution services to attempt to address the dispute.
- (d) Options of alternative dispute resolution services can be found on Canada's Buy and Sell website under the heading "[Dispute Resolution](#)".

7.17 Canadian Forces Site Regulations

The Contractor must comply with all standing orders or other regulations, instructions and directives in force on the site where the Work is performed.

7.18 Canadian Forces Site Regulations

Manual clause [A9065C](#) (2006-06-16), Identification Badge

ANNEX A - STATEMENT OF WORK

1. TITLE

IMAGING GAS FILTER CORRELATION RADIOMETRIC (iGFCR) SENSOR DESIGN AND DEVELOPMENT

2. BACKGROUND

Defence Research and Development Canada (DRDC) – Valcartier Research Centre has investigated some capabilities of the iGFCR in the past few years and is looking to improve the research capability in the field. The first studies were limited to the MidWave Infrared (MWIR) region and DRDC is looking to extend their knowledge in the longwave infrared (LWIR) and the shortwave infrared (SWIR) regions.

Due to the scientific nature of the work performed, which requires state of the art sensors, DRDC require the expertise, knowledge and services of a contractor to develop, modify, upgrade and improve concepts or equipment in the field of iGFCR.

3. ACRONYMS

DRDC	Defence Research and Development Canada– Valcartier Research Centre
CDR	Critical Design Review
CRV	Centre de recherche Valcartier
GFCR	Gas filter correlation radiometry
HSI	HyperSpectral Imaging
HW	Hardware
iGFCR	imaging Gas Filter Correlation Radiometry
LWIR	LongWave InfraRed
MWIR	MidWave InfraRed
SOW	Statement of Work
SWIR	ShortWave InfraRed
SW	Software
TA	Technical Authority
TDP	Technical Data Package

4. APPLICABLE DOCUMENTS & REFERENCES

None

5. TASKS

This task authorization contract consists of several tasks described below. Based on the work required, it may be necessary to combine many tasks in order to respond to the statement of work associated to a task authorization call. The tasks may be called in any sequence and be repeated many times as required during the contract life. The tasks apply to the technologies developed by the contractor. The following subsections define the nature and the extent of work related to each particular task.

5.1 Perform development of theoretical study and concept

This task includes (but not limited to):

- Theoretical study of GFCR phenomenology and performance
- Theoretical study of sensor design and performance
- Study of new concept in the field of GFCR

5.2 Analysis, modelling and simulation related to GFCR

This task includes (but not limited to):

- Analysis, modelling and simulations to determine the sensitivity and performance of the GFCR technique for the detection of target gases of interest; and
- Analysis, modelling and simulations to determine the sensitivity and performance of the GFCR technique in different relevant scenarios.

5.3 Perform instrument design and breadboard sensor

This task includes (but not limited to):

- Simulation study of sensor design; and
- Build breadboard sensor

5.4 Perform developments, upgrades and modifications of instrument software

This task includes (but not limited to):

- Development, modifications and upgrades to control, detection and acquisition software and firmware;
- Development and modifications of user software;
- Development and implementation of new tools and software functionalities; and
- Performing software testing.

5.5 Perform maintenance, repair and modifications to instrument hardware

This task includes (but not limited to):

- Replacing/repairing/modifying mechanical, electrical, electronic and optical components;
- Maintenance of equipment;
- Development, fabrication and integration of new instrument, modules and upgrades for new capability; and
- Performing hardware testing.

5.6 Support to laboratory measurements and field testing

This task includes (but not limited to):

- Preparation, manipulation, setup and pack-up of sensors for laboratory or field testing; and
- Operating sensors including
 - Data acquisition;
 - Calibration of data;
 - Data backup; and
 - Prepare data for analysis.

5.7 Perform data analysis and reporting

This task includes (but not limited to):

- Performing engineering study related to the improvement of sensors;
- Performing data analysis of sensor data with provided, OEM or commercially available algorithm;
- Develop tools or algorithm to perform data analysis; and
- Prepare reports.

6. Deliverables

The contractor must deliver hardware, software and reports based on the deliverable requirements described in each specific call. The deliverables must be delivered to DRDC. The reports must be written in English. A PDF and an MS office (Microsoft Word or Powerpoint) or compatible electronic version must be included. The presentation format of these reports must comply with DRDC standards. These standards templates are available through the project's Technical Authority. All reports must be initially submitted as draft in electronic version to the scientific authority for comments. The scientific authority will take approximately 10 working days to review and return comments to the contractor. Software executable and source code must be delivered in their appropriate format.

6.1 Reports and technical drawings

The contractor must deliver detailed technical drawings (mechanical, optical), parts lists, wiring diagrams and specifications as well as supporting data such as modeling, simulations, ray tracing, test reports for all tasks involving hardware modifications and new development. This information must be delivered in PDF and MS Office (Microsoft Word or Powerpoint) format. The drawings must be delivered also in solid edge compatible file format.

The contractor must deliver the executable code, the source code and detailed documentations with any software developments, upgrades and modifications. The documentation must include, but not necessarily limited to:

- version identification;
- installation and setup description and procedures;
- brief description of intended use, capabilities and operating improvements;
- identification of software files required to be installed to operate the software; and
- software organization and overview of operation

The contractor must deliver a user manual describing functionalities and procedures with any development of user interface software.

7. DATE OF DELIVERY

The contractor must deliver hardware, software and reports in time and location based on the deliverable requirements described in each specific call.

8. Language of Work

English and French.

Solicitation No. - N° de l'invitation
W7701-217378/A
Client Ref. No. - N° de réf. du client
W7701-217378

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

Buyer ID - Id de l'acheteur
qc1043
CCC No./N° CCC - FMS No./N° VME

9. Location of Work

The work must be performed on Contractor site.

10. Travel

The Contractor is not required to travel.

11. MEETINGS

Upon request from the technical authority or the contractor and held at DRDC, contractor facilities or online. Once a task is activated, meetings may be called if necessary at the beginning (within 5 working days) and at the end of a task. The contractor must prepare minutes, action items and the agenda and submit them for approval by the Technical Authority.

12. GOVERNMENT SUPPLIED MATERIAL (GSM)

None

13. GOVERNMENT FURNISHED EQUIPMENT (GFE)

None

14. SPECIAL CONSIDERATIONS

None

ANNEX B - RESOURCES

Definitions of resource categories, responsibilities and required experience.

Project Manager:

Relevant education to the category: University (undergraduate degree)

Relevant experience in the category: 12+ months

- The responsibilities of Project Manager include, but are not limited to:
 - Planning and coordinating project management activities including financial aspects, planning and contracting;
 - Coordinating and preparing documentation in response to scheduled and unscheduled reports, returns and observations to update management on project progress;
 - Planning and coordinating the activities of project personnel, internal customers, contractors and other support providers;
 - Planning, directing and controlling the activities of a project team within scheduled time and cost parameters; and
 - Assuming leadership at the appropriate phases of planning, action and evaluation.

Senior Scientist:

Relevant education to the category: University (graduate degree or higher)

Relevant experience in the category: 120+ months

- The responsibilities of Senior Scientist include, but are not limited to:
 - Planning and coordinating R&D activities;
 - Coordinating and directing R&D teams in order to achieve project content and quality objectives;
 - Assuming scientific leadership to achieve project innovation objectives;
 - Planning and coordinating report writing and presentations; and
 - Reviewing and validating content and quality of reports.

Junior Scientist:

Relevant education to the category: University (graduate degree or higher)

Relevant experience in the category: 12+ months

- The responsibilities of Junior Scientist include, but are not limited to:
 - Performing R&D activities to achieve project objectives;
 - Developing testing and evaluation procedures to achieve required project outcomes; and
 - Compiling results and writing reports.

Senior Engineer

Relevant education to the category: University (graduate degree or higher)

Relevant experience in the category: 60+ months

- The responsibilities of Senior Engineer include, but are not limited to:
 - Assuming leadership at the appropriate stages of planning, design and manufacturing;
 - Planning hardware and software development initiatives to achieve project objectives;
 - Developing production control procedures;
 - Developing testing and evaluation procedures to achieve required project outcomes; and
 - Compiling results and drafting test reports.

Junior Engineer

Relevant education to the category: University (undergraduate degree or higher)

Relevant experience in the category: 12+ months

- The responsibilities of Junior Engineer include, but are not limited to:
 - Performing hardware and software development activities to achieve project objectives;
 - Performing testing and evaluation procedures to achieve required project outcomes; and
 - Compiling results and drafting reports.

Senior Technologist:

Relevant education to the category: College or CÉGEP (diploma or certificate)

Relevant experience in the category: 120+ months

- The responsibilities of Senior Technologist include, but are not limited to:
 - Developing and installing laboratory configurations for performance and sensor capacity tests;
 - Developing and installing laboratory configurations for optical performance tests; and
 - Developing lab tests to demonstrate sensor capacity.

Junior Technologist

Relevant education to the category: College or CÉGEP (diploma or certificate)

Relevant experience in the category: 12+ months

- The responsibilities of Junior Technologist include, but are not limited to:
 - Conducting performance and sensor capacity tests;
 - Conducting optical performance tests;
 - Conducting lab tests to demonstrate sensor capacity; and
 - Conducting tests on developed software.

ANNEX C – BASIS OF PAYMENT

1. LABOUR: at firm rates, inclusive of overhead, exclusive of profit, GST/HST extra, FOB destination (for goods), in accordance with the following:

BIDDERS ARE REQUESTED TO QUOTE ONE RATE PER CATEGORY OF PERSONNEL REQUIRED, PER PERIOD.

If the resource is working under sub-contract, the Bidder **should** indicate the name of the Subcontractor.

Labour Category	Firm Hourly Rate				
	Contrat award date () until 12 months after award (included) ()	From month 13 th () until 24 months after award (included) ()	From month 25 th () until 36 months after award (included) ()	From month 37 th () until 48 months after award (included) ()	From month 49 th () until 60 months after award (included) ()
Senior Scientist	\$	\$	\$	\$	\$
Junior Scientist	\$	\$	\$	\$	\$
Senior Engineer	\$	\$	\$	\$	\$
Junior Engineer	\$	\$	\$	\$	\$
Gestionnaire de projet	\$	\$	\$	\$	\$
Senior Technologist	\$	\$	\$	\$	\$
Junior Technologist	\$	\$	\$	\$	\$

Note for the Work carried out in the field as part of trials only:

After a work period of 8 consecutive hours, the contractor can claim an hourly rate equals to one and half times the hourly rate specified in the above table for the work period exceeding the 8 hours. The technical authority must approve the work period exceeding the period of 8 consecutive hours before this hourly rate can be claimed.

2. MATERIALS AND SUPPLIES: at laid down cost* without markup
3. TRAVEL & LIVING: at actual cost without markup but not to exceed the limits of the National Joint Council Directive. With respect to the National Joint Council Travel Directive, only the meal and private vehicle specified in Appendices B, C and D of the National Joint Council Travel Directive <http://www.njc-cnm.gc.ca/directive/index.php?did=10&dlabel=travel-voilage&lang=eng&merge=2&slabel=index/> and the other provisions of the directive referring to “travellers” rather than those referring to “employees”, are applicable.

*Laid-down cost means: The cost incurred by a supplier to acquire a specific product or service for resale to the government. This includes the supplier's invoice price (less trade discounts), plus any applicable charges for incoming transportation, foreign exchange, customs duty and brokerage, but excludes the Goods and Services Tax and the Harmonized Sales Tax. (2010-01-11) (laid-down cost)

ANNEX D to PART 5 OF THE BID SOLICITATION

FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY – CERTIFICATION

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit [Employment and Social Development Canada \(ESDC\) – Labour's](#) website.

Date: _____ (YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

- A1. The Bidder certifies having no work force in Canada.
- A2. The Bidder certifies being a public sector employer.
- A3. The Bidder certifies being a [federally regulated employer](#) being subject to the [Employment Equity Act](#).
- A4. The Bidder certifies having a combined work force in Canada of less than 100 permanent full-time and/or permanent part-time employees.

A5. The Bidder has a combined workforce in Canada of 100 or more employees; and

- A5.1. The Bidder certifies already having a valid and current [Agreement to Implement Employment Equity](#) (AIEE) in place with ESDC-Labour.
- OR**
- A5.2. The Bidder certifies having submitted the [Agreement to Implement Employment Equity \(LAB1168\)](#) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC-Labour.

B. Check only one of the following:

- B1. The Bidder is not a Joint Venture.

OR

- B2. The Bidder is a Joint venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)

ANNEX E – NON-DISCLOSURE AGREEMENT

I, _____, recognize that in the course of my work as an employee or subcontractor of _____, I may be given access to information by or on behalf of Canada in connection with the Work, pursuant to Contract Serial No. _____ between Her Majesty the Queen in right of Canada, represented by the Minister of Public Works and Government Services and _____, including any information that is confidential or proprietary to third parties, and information conceived, developed or produced by the Contractor as part of the Work. For the purposes of this agreement, information includes but not limited to: any documents, instructions, guidelines, data, material, advice or any other information whether received orally, in printed form, recorded electronically, or otherwise and whether or not labeled as proprietary or sensitive, that is disclosed to a person or that a person becomes aware of during the performance of the Contract.

I agree that I will not reproduce, copy, use, divulge, release or disclose, in whole or in part, in whatever way or form any information described above to any person other than a person employed by Canada on a need to know basis. I undertake to safeguard the same and take all necessary and appropriate measures, including those set out in any written or oral instructions issued by Canada, to prevent the disclosure of or access to such information in contravention of this agreement.

I also acknowledge that any information provided to the Contractor by or on behalf of Canada must be used solely for the purpose of the Contract and must remain the property of Canada or a third party, as the case may be.

I agree that the obligation of this agreement will survive the completion of the Contract Serial No.: _____

Signature

Date

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ANNEX F - DND 626 TASK AUTHORIZATION FORM

**TASK AUTHORIZATION
AUTORISATION DES TÂCHES**

<p>All invoices/progress claims must show the reference Contract and Task numbers. Toutes les factures doivent indiquer les numéros du contrat et de la tâche.</p>		<p>Contract no. – N° du contrat</p> <hr/> <p>Task no. – N° de la tâche</p>
<p>Amendment no. – N° de la modification</p>	<p>Increase/Decrease – Augmentation/Réduction</p>	<p>Previous value – Valeur précédente</p>
<p>To – À</p>	<p>TO THE CONTRACTOR</p> <p>You are requested to supply the following services in accordance with the terms of the above reference contract. Only services included in the contract shall be supplied against this task.</p> <p>Please advise the undersigned if the completion date cannot be met. Invoices/progress claims shall be prepared in accordance with the instructions set out in the contract.</p> <p>À L'ENTREPRENEUR</p> <p>Vous êtes prié de fournir les services suivants en conformité des termes du contrat mentionné ci-dessus. Seuls les services mentionnés dans le contrat doivent être fournis à l'appui de cette demande.</p> <p>Prière d'aviser le signataire si la livraison ne peut se faire dans les délais prescrits. Les factures doivent être établies selon les instructions énoncées dans le contrat.</p>	
<p>Delivery location – Expédié à</p>	<p>_____</p> <p style="text-align: center;">Date</p> <p style="text-align: right;">_____</p> <p style="text-align: right;">for the Department of National Defence pour le ministère de la Défense nationale</p>	
<p>Delivery/Completion date – Date de livraison/d'achèvement</p>	<p>_____</p>	
<p>Contract item no. N° d'article du contrat</p>	<p>Services</p>	<p>Cost Prix</p>
	GST/HST TPS/TVH	
	Total	
<p>APPLICABLE ONLY TO PWGSC CONTRACTS: The Contract Authority signature is required when the total value of the DND 626 exceeds the threshold specified in the contract.</p> <p>NE S'APPLIQUE QU'AUX CONTRATS DE TPSGC : La signature de l'autorité contractante est requise lorsque la valeur totale du formulaire DND 626 est supérieure au seuil précisé dans le contrat.</p>		
<p>_____</p> <p style="text-align: center;">for the Department of Public Works and Government Services pour le ministère des Travaux publics et services gouvernementaux</p>		

Instructions for completing DND 626 - Task Authorization

Contract no.

Enter the PWGSC contract number in full.

Task no.

Enter the sequential Task number.

Amendment no.

Enter the amendment number when the original Task is amended to change the scope or the value.

Increase/Decrease

Enter the increase or decrease total dollar amount including taxes.

Previous value

Enter the previous total dollar amount including taxes.

To

Name of the contractor.

Delivery location

Location where the work will be completed, if other than the contractor's location.

Delivery/Completion date

Completion date for the task.

for the Department of National Defence

Signature of the DND person who has delegated **Authority** for signing DND 626 (level of authority based on the dollar value of the task and the equivalent signing authority in the PAM 1.4). **Note:** the person signing in this block ensures that the work is within the scope of the contract, that sufficient funds remain in the contract to cover this task and that the task is affordable within the Project/Unit budget.

Services

Define the requirement briefly (attach the SOW) and identify the cost of the task using the contractor's quote on the level of effort. The Task must use the basis of payment stipulated in the contract. If there are several basis of payment then list here the one(s) that will apply to the task quote (e.g. milestone payments; per diem rates/labour category hourly rates; travel and living rates; firm price/ceiling price, etc.). All the terms and conditions of the contract apply to this Task Authorization and cannot be ignored or amended for this task. Therefore it is not necessary to restate these general contract terms and conditions on the DND 626 Task form.

Cost

The cost of the Task broken out into the individual costed items in **Services**.

GST/HST

The GST/HST cost as appropriate.

Total

The total cost of the task. The contractor may not exceed this amount without the approval of DND indicated on an amended DND 626. The amendment value may not exceed 50% (or the percentage for amendments established in the contract) of the original value of the task authorization. The total cost of a DND 626, including all amendments, may not exceed the funding limit identified in the contract.

Applicable only to PWGSC contracts

This block only applies to those Task Authorization contracts awarded by PWGSC. The contract will include a specified threshold for DND sole approval of the DND 626 and a percentage for DND to approve amendments to the original DND 626. Tasks that will exceed these thresholds must be passed to the PWGSC Contracting Authority for review and signature prior to authorizing the contractor to begin work.

Note:

Work on the task may not commence prior to the date this form is signed by the DA Authority - for tasks within the DND threshold; and by both DND and PWGSC for those tasks over the DND threshold.

Instructions pour compléter le formulaire DND 626 - Autorisation des tâches

N° du contrat

Inscrivez le numéro du contrat de TPSGC en entier.

N° de la tâche

Inscrivez le numéro de tâche séquentiel.

N° de la modification

Inscrivez le numéro de modification lorsque la tâche originale est modifiée pour en changer la portée.

Augmentation/Réduction

Inscrivez le montant total de l'augmentation ou de la diminution, y compris les taxes.

Valeur précédente

Inscrivez le montant total précédent, y compris les taxes.

À

Nom de l'entrepreneur.

Expédié à

Endroit où le travail sera effectué, si celui-ci diffère du lieu d'affaires de l'entrepreneur.

Date de livraison/d'achèvement

Date d'achèvement de la tâche.

pour le ministère de la Défense nationale

Signature du représentant du MDN auquel on a délégué le **pouvoir d'approbation** en ce qui a trait à la signature du formulaire DND 626 (niveau d'autorité basé sur la valeur de la tâche et le signataire autorisé équivalent mentionné dans le MAA 1.4). **Nota :** la personne qui signe cette attache de signature confirme que les travaux respectent la portée du contrat, que suffisamment de fonds sont prévus au contrat pour couvrir cette tâche et que le budget alloué à l'unité ou pour le projet le permet.

Services

Définissez brièvement le besoin (joignez l'ET) et établissez le coût de la tâche à l'aide de la soumission de l'entrepreneur selon le niveau de difficulté de celle-ci. Les modalités de paiement stipulées dans le contrat s'appliquent à la tâche. Si plusieurs d'entre elles sont prévues, énumérez ici celle/celles qui s'appliquera/ront à la soumission pour la tâche à accomplir (p.ex. acompte fondé sur les étapes franchies; taux quotidien ou taux horaire établi selon la catégorie de main-d'œuvre; frais de déplacement et de séjour; prix fixe ou prix plafond; etc.). Toutes les modalités du contrat s'appliquent à cette autorisation de tâche et ne peuvent être négligées ou modifiées quant à la tâche en question. Il n'est donc pas nécessaire de répéter ces modalités générales afférentes au contrat sur le formulaire DND 626.

Prix

Mentionnez le coût de la tâche en le répartissant selon les frais afférents à chaque item mentionné dans la rubrique **Services**.

TPS/TVH

Mentionnez le montant de la TPS/TVH, s'il y a lieu.

Total

Mentionnez le coût total de la tâche. L'entrepreneur ne peut dépasser ce montant sans l'approbation du MDN, formulaire DND 626 modifié à l'appui. Le coût de la modification ne peut pas être supérieur à 50 p. 100 du montant initial prévu dans l'autorisation de tâche (ou au pourcentage prévu dans le contrat pour les modifications). Le coût total spécifié dans le formulaire DND 626, y compris toutes les modifications, ne peut dépasser le plafond de financement mentionné dans le contrat.

Ne s'applique qu'aux contrats de TPSGC

Le présent paragraphe s'applique uniquement aux autorisations de tâche accordées par TPSGC. On inscrira dans le formulaire DND 626 un plafond précis qui ne pourra être approuvé que par le MDN et un pourcentage selon lequel le MDN pourra approuver des modifications au formulaire DND 626 original. Les tâches dont le coût dépasse ces plafonds doivent être soumises à l'autorité contractante de TPSGC pour examen et signature avant qu'on autorise l'entrepreneur à débiter les travaux.

Nota :

Les travaux ne peuvent commencer avant la date de signature de ce formulaire par le responsable du MDN, pour les tâches dont le coût est inférieur au plafond établi par le MDN, et par le MDN et TPSGC pour les tâches dont le coût dépasse le plafond établi par le MDN.

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ANNEX G – Request for visit

All fields must be completed and the form communicated via Government-to-Government

REQUEST FOR VISIT

TO:

(Country / international organisation name)

1. TYPE OF VISIT REQUEST	2. TYPE OF INFORMATION / MATERIAL OR SITE ACCESS	3. SUMMARY
<input type="checkbox"/> One-time <input checked="" type="checkbox"/> Recurring <input type="checkbox"/> Emergency <input type="checkbox"/> Amendment	<input type="checkbox"/> CONFIDENTIAL or above <input type="checkbox"/> Access to security areas without access to classified information / material <i>Only if required by the laws / regulations of the countries involved</i> <input type="checkbox"/> Unclassified / RESTRICTED	No. of sites <input type="text" value="1"/> No. of visitors <input type="text" value="1"/>
4. ADMINISTRATIVE DATA:		
Requestor: <input type="text"/>	NSA/DSA RFV Reference No. <input type="text"/>	
To: <input type="text"/>	Date (dd/mm/yyyy): <input type="text"/>	
5. REQUESTING GOVERNMENT AGENCY, ORGANISATION OR INDUSTRIAL FACILITY:		
<input type="checkbox"/> Military <input type="checkbox"/> Government <input type="checkbox"/> Industry <input type="checkbox"/> NATO <input type="checkbox"/> EU <input type="checkbox"/> Other		
NAME:	<input type="text"/>	
POSTAL ADDRESS:	<input type="text"/>	
E-MAIL ADDRESS:	<input type="text"/>	
FAX NO:	<input type="text"/>	TELEPHONE NO: <input type="text"/>
6. GOVERNMENT AGENCY(IES), ORGANISATION(S) OR INDUSTRIAL FACILITY(IES) TO BE VISITED - (Annex 1 to be completed)		
7. DATE OF VISIT (dd/mm/yyyy): FROM <input type="text"/> TO <input type="text"/>		
8. TYPE OF INITIATIVE (Select one from each column):		
<input type="checkbox"/> Government initiative	<input type="checkbox"/> Initiated by requesting agency or facility	
<input type="checkbox"/> Commercial initiative	<input type="checkbox"/> By invitation of the facility to be visited	

All fields must be completed and the form communicated via Government-to-Government

9. IS THE VISIT PERTINENT TO:

- Specific equipment or weapon system
- Foreign military sales or export licence
- A programme or agreement
- A defence acquisition process
- Other

Specification of the selected subject:

10. SUBJECT TO BE DISCUSSED/JUSTIFICATION/PURPOSE *(To include details of host Government/Project Authority and solicitation/contract number if known and any other relevant information. Abbreviations should be avoided):*

11. ANTICIPATED HIGHEST LEVEL OF INFORMATION/MATERIAL OR SITE ACCESS TO BE INVOLVED:

Only if required by the laws/regulations of the countries involved

- Unclassified
- RESTRICTED

- CONFIDENTIAL
- SECRET
- TOP SECRET
- Other

12. PARTICULARS OF VISITOR(S) - (Annex 2 to be completed)

13. THE SECURITY OFFICER OF THE REQUESTING GOVERNMENT AGENCY, ORGANISATION OR INDUSTRIAL FACILITY:

NAME:

TELEPHONE NO:

E-MAIL ADDRESS:

SIGNATURE:

STAMP

All fields must be completed and the form communicated via Government-to-Government

14. CERTIFICATION OF SECURITY CLEARANCE LEVEL:

NAME:

STAMP

ADDRESS:

TELEPHONE NO:

E-MAIL ADDRESS:

SIGNATURE:

DATE (dd/mm/yyyy):

15. REQUESTING NATIONAL SECURITY AUTHORITY / DESIGNATED SECURITY AUTHORITY:

NAME:

STAMP

ADDRESS:

TELEPHONE NO:

E-MAIL ADDRESS:

SIGNATURE:

DATE (dd/mm/yyyy):

16. REMARKS (Mandatory justification required in case of an emergency visit):

ANNEX 1 TO RFV FORM

All fields must be completed and the form communicated via Government-to-Government

**GOVERNMENT AGENCY(IES), ORGANISATION(S)
OR INDUSTRIAL FACILITY(IES) TO BE VISITED**

Add

Military Government Industry NATO EU Other

NAME:

ADDRESS:

TELEPHONE NO:

FAX NO:

NAME OF POINT OF CONTACT:

E-MAIL:

TELEPHONE NO:

NAME OF SECURITY OFFICER OR
SECONDARY POINT OF CONTACT:

E-MAIL:

TELEPHONE NO:

Delete

ATTACHEMENT 1 – FINANCIAL EVALUATION

1 – Approximate percentage of use

The total bid price will be evaluated according to the following level of estimated effort*:

*The “estimated level of effort” specified in the table is provided solely for the purpose of determining the estimated price for each bid. It is an approximate estimate of the requirement that is provided in good faith and should not be considered a contract guarantee.

Resource category	Estimated level of effort
Project Manager	10%
Senior Scientist	5%
Junior Scientist	30%
Senior Technologist	10%
Junior Technologist	25%
Senior Engineer	5%
Junior Engineer	15%

2 – Cost of labour

To establish the cost of labour, the hourly rate provided by the Bidder is multiplied by the percentage of time for each resource. The totals will be added up and made standard for one hour.

Cost of one hour of labour = the sum of [estimated level of effort] * [hourly rate] for all resource categories.

3 – Sample calculation for the price of two bids

Bid A	Estimated level of effort	Hourly rate	Value of one hour of involvement [estimated level of effort] * [hourly rate]
Project manager	10%	\$105.00	\$10.50
Senior scientist	5%	\$115.00	\$5.75
Junior scientist	30%	\$75.00	\$22.50
Senior technologist	10%	\$100.00	\$10.00
Junior technologist	25%	\$80.00	\$20.00
Senior engineer	5%	\$120.00	\$6.00
Junior engineer	15%	\$90.00	\$13.50
Value of bid A [sum of all values of one hour of involvement]			\$88.25

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Bid B	Estimated level of effort	Hourly rate	Value of one hour of involvement [estimated level of effort] * [hourly rate]
Project Manager	10%	\$100.00	\$10.00
Senior Scientist	5%	\$120.00	\$6.00
Junior Scientist	30%	\$80.00	\$24.00
Senior Technologist	10%	\$110.00	\$11.00
Junior Technologist	25%	\$85.00	\$21.25
Senior Engineer	5%	\$130.00	\$6.50
Junior Engineer	15%	\$75.00	\$11.25
Value of bid B [sum of all values of one hour of involvement]			\$90.00

These rates are provided as an example only, and must not be interpreted as an indicator of the experience of the labour categories.

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ATTACHEMENT 2 – LIST OF NAMES FOR INTEGRITY



List of names for integrity verification form

Requirements

Section 17 of the [Ineligibility and Suspension Policy](#) (the Policy) requires suppliers, regardless of their status under the Policy, to submit a list of names with their bid or offer. The required list differs depending on the bidder or offeror's organizational structure:

- Suppliers including those bidding as joint ventures, whether incorporated or not, must provide a complete list of the names of all current directors.
- Privately owned corporations must provide a list of the owners' names.
- Suppliers bidding as sole proprietors, including sole proprietors bidding as joint ventures, whether incorporated or not, must provide a complete list of the names of all owners.
- Suppliers that are a partnership do not need to provide a list of names.

Suppliers may use this form to provide the required list of names with their bid or offer submission. Failure to submit this information with a bid or offer, where required, will render a bid or offer non-responsive, or the supplier otherwise disqualified for award of a contract or real property agreement. Please refer to [Information Bulletin: Required information to submit a bid or offer](#) for additional details.

Supplier information

Supplier's legal name:
Organizational structure: <input type="checkbox"/> Corporate entity <input type="checkbox"/> Privately owned corporation <input type="checkbox"/> Sole proprietor
Supplier's address:
Supplier's procurement business number (optional):
Solicitation or transaction number:



Date of bid, offer submission or closing date of Invitation to Offer (yyyy-mm-dd):

List of names

Name	Title

Declaration

I, (name) _____, (position) _____, of (supplier's name) _____ declare that the information provided in this Form is, to the best of my knowledge and belief, true, accurate and complete. I am aware that failing to provide the list of names will render a bid or offer non-responsive, or I will be otherwise disqualified for award of a contract or real property agreement. I am aware that during the bid or offer evaluation stage, I must, within 10 working days, inform the contracting authority in writing of any changes affecting the list of names submitted. I am also aware that after contract award I must inform the Registrar of Ineligibility and Suspension within 10 working days of any changes to the list of names submitted.

Signature

Please include with your bid or offer.

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ATTACHEMENT 3 – CERTIFICATIONS

STATUS AND AVAILABILITY OF RESOURCES

The Supplier certifies that, should it be issued a supply arrangement as a result of the request for supply arrangements, every individual proposed in the arrangement or individuals with similar qualifications and experience will be available for the term of the supply arrangement.

If the Supplier has proposed any individual who is not an employee of the Supplier, the Supplier 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 Supplier must, upon request from the Supply Arrangement Authority, provide a written confirmation, signed by the individual, of the permission given to the Supplier and of his/her availability.

EDUCATION AND EXPERIENCE

The Supplier certifies that all the information provided in the résumés and supporting material submitted with the arrangement, particularly the information pertaining to education, achievements, experience and work history, has been verified by the Supplier to be true and accurate.

CANADIAN SERVICES

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](#).

SACC Manual clause [A3050T](#) (2020-07-01) Canadian Content Definition

Signature

Date

Title

ATTACHEMENT 4 – ANCIENS FONCTIONNAIRES

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 FPS, 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

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 FPS 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: 2019-01](#) and the [Guidelines on the Proactive Disclosure of Contracts](#).

Work Force Adjustment Directive

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

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W7701-217378/A
Client Ref. No. - N° de réf. du client
W7701-217378

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

Buyer ID - Id de l'acheteur
qc1043
CCC No./N° CCC - FMS No./N° VME

Attachment 5 to PART 3 OF THE BID SOLICITATION

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);

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Attachment 6 – PWGSC 1111

Claim No.
N° de la demande

Contract Serial No.
N° de série du contrat

CERTIFICATE OF CONTRACTOR

ATTESTATION DE L'ENTREPRENEUR

I certify that:

- All authorizations required under the contract have been obtained. The claim is consistent with the progress of the work and is in accordance with the contract.
- Indirect costs have been paid for or accrued in the accounts.
- Direct materials and the subcontracted work have been received, accepted and either paid for or accrued in the accounts following receipt of invoice from supplier/subcontractor, and have been or will be used exclusively for the purpose of the contract.
- All direct labour costs have been paid for or accrued in the accounts and all such costs were incurred exclusively for the purpose of the contract;
- All other direct costs have been paid for or accrued in the accounts following receipt of applicable invoice or expense voucher and all such costs were incurred exclusively for the purpose of the contract; and
- No liens, encumbrances, charges or other claims exist against the work except those which may arise by operation of law such as a lien in the nature of an unpaid contractor's lien and in respect of which a progress payment and/or advance payment has been or will be made by Canada.

J'atteste que :

- Toutes les autorisations exigées en vertu du contrat ont été obtenues. La demande correspond à l'avancement des travaux et est conforme au contrat.
- Les coûts indirects ont été réglés ou portés aux livres.
- Les matières directes et les travaux de sous-traitance ont été reçus, et le tout a été accepté et payé, ou encore porté aux livres après réception de factures envoyées par le fournisseur ou le sous-traitant; ces matières et ces travaux ont été ou seront utilisés exclusivement aux fins du contrat.
- Tous les coûts de la main-d'oeuvre directe ont été réglés ou portés aux livres et tous ces coûts ont été engagés exclusivement aux fins du contrat.
- Tous les autres coûts indirects ont été réglés ou portés aux livres après réception des factures ou pièces justificatives pertinentes et tous ces coûts ont été engagés exclusivement aux fins du contrat.
- Il n'existe aucun privilège ni demande ou imputation à l'égard de ces travaux sauf ceux qui pourraient survenir par effet de la loi, notamment le privilège d'un entrepreneur non payé à l'égard duquel un paiement progressif et/ou un paiement anticipé a été ou sera effectué par le Canada.

Contractor 's Signature - Signature de l'entrepreneur

Check the box if the claim is being made with respect to advance payment provisions included in the basis of payment of the contract.

This claim, or a portion of this claim, is for an advance payment.

I certify that:

- The funds received will be used solely for the purpose of the contract and attached is a complete description of the purpose to which the advance payment will be applied.
- The amount of the payment is established in accordance with the conditions of the contract.
- The contractor is not in default of its obligations under the contract.
- The payment is related to an identifiable part of the contractual work.

Title - Titre

Date (YYYY-MM-DD / AAAA-MM-JJ)

Cocher la case si la demande est faite en rapport avec les dispositions relatives aux paiements anticipés qui se trouvent dans la base de paiement du contrat.

Cette demande, ou une partie de cette demande, est pour un paiement anticipé.

J'atteste que :

- Les fonds reçus ne serviront uniquement qu'aux fins du contrat; ci-joint est une description complète des fins auxquelles le paiement anticipé sera utilisé.
- Le montant du paiement est établi conformément aux conditions du contrat.
- L'entrepreneur n'a pas manqué à ses obligations en vertu du contrat.
- Le paiement porte sur une partie identifiable des travaux précisés dans le contrat.

Contractor 's Signature - Signature de l'entrepreneur

CERTIFICATES OF DEPARTMENTAL REPRESENTATIVES

Scientific/Project/Inspection Authority: I certify that the work meets the quality standards required under the contract, and its progress is in accordance with the conditions of the contract.

Inspection Authority (all other contracts): I certify that the quality of the work performed is in accordance with the standards required under the contract.

Title - Titre

Date (YYYY-MM-DD / AAAA-MM-JJ)

ATTESTATIONS DES REPRÉSENTANTS DU MINISTÈRE

Autorité scientifique ou responsable du projet / de l'inspection : J'atteste que les travaux sont conformes aux normes de qualité exigées en vertu du contrat et que leur avancement est conforme aux conditions du contrat.

Responsable de l'inspection (tous les autres contrats) : J'atteste que la qualité des travaux exécutés est conforme aux normes exigées en vertu du contrat.

Signature of Scientific / Project / Inspection Authority
Signature de l'autorité scientifique ou responsable du projet / de l'inspection

Date (YYYY-MM-DD / AAAA-MM-JJ)

PWGSC Contracting Authority: I certify that, to the best of my knowledge, the claim is consistent with the progress of the work and is in accordance with the contract. This claim, however, may be subject to further verification and any necessary adjustment before final settlement.

Autorité contractante de TPSGC : J'atteste, au meilleur de ma connaissance, que la demande correspond à l'avancement des travaux et est conforme au contrat. Toutefois, cette demande pourrait faire l'objet d'une autre vérification et de tout rajustement nécessaire avant le règlement final.

Contracting Authority Signature de l'autorité contractante

Client's Authorized Signing Officer - (must sign the interim claim): I certify that the claim is in accordance with the contract.

Title - Titre

Date (YYYY-MM-DD / AAAA-MM-JJ)

Signataire autorisé du client - (doit signer la demande provisoire) : J'atteste que la demande est conforme au contrat.

Client Signature du client

Client's Authorized Signing Officer - (must sign the final claim): I certify that all goods have been received and all services have been rendered, that the work has been properly performed and that the claim is in accordance with the contract.

Title - Titre

Date (YYYY-MM-DD / AAAA-MM-JJ)

Signataire autorisé du client - (doit signer la demande finale) : J'atteste que tous les biens ont été reçus, que tous les services ont été rendus, que tous les travaux ont été exécutés convenablement, et que la demande est conforme au contrat.

Client Signature du client

Title - Titre

Date (YYYY-MM-DD / AAAA-MM-JJ)