



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Réception des soumissions - TPSGC / Bid
Receiving - PWGSC
1550, Avenue d'Estimauville
1550, D'Estimauville Avenue
Québec
Québec
G1J 0C7

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

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

Title - Sujet Plateformes imagerie hyperspectrale	
Solicitation No. - N° de l'invitation W7701-166147/A	Date 2016-08-16
Client Reference No. - N° de référence du client W7701-166147	
GETS Reference No. - N° de référence de SEAG PW-\$QCL-028-16848	
File No. - N° de dossier QCL-5-38299 (028)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-09-20	Time Zone Fuseau horaire Heure Avancée de l'Est HAE
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: Roy, Josée	Buyer Id - Id de l'acheteur qcl028
Telephone No. - N° de téléphone (418) 649-2932 ()	FAX No. - N° de FAX (418) 648-2209
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: RDDC-R ET D DEFENSE CANADA-VALCARTIER DRDC-DEFENCE R & D CANADA-VALCARTIE 2459 ROUTE DE LA BRAVOURE BATISSE 53 QUEBEC Québec G3J 1X5 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

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

TITLE: Scientific and Engineering Work for the Development of Hyperspectral Imaging Platforms

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W7701-166147

Amd. No. – N° de la modif.
File No. – N° du dossier
QCL-5-38299

Buyer ID – id de l'acheteur
qcl028

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PART 1 - GENERAL INFORMATION

1. Introduction

The bid solicitation document 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: includes the certifications 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.

The Annexes include:

Annex A	Statement of Work
Annex B	Basis of Payment
Annex C	Contractor Disclosure of Foreground Information
Annex D	Security Requirements Check List
Annex E	Form DND 626, Task Authorization Form

The Attachments include:

Attachment 1	Evaluation of Price
Attachment 2	Mandatory and Point Rated Technical Criteria
Attachment 3	Federal Contractors Program for Employment Equity – Certification
Attachment 4	Financial Bid Presentation Sheet

2. Summary

2.1 Objectives:

Defence Research and Development Canada (DRDC) in Valcartier is currently developing and testing sensor systems for reconnaissance and surveillance. A sensor system is defined as all the supporting physical and software components of the sensors. Sensor systems are designed for use on standoff or airborne platforms. These include hyperspectral, multispectral and panchromatic sensors that operate in the full optical spectral range between 0.35 and 13 micrometers. These cover therefore the VNIR (Visible-Near InfraRed), SWIR (Short Wave InfraRed), MWIR (Medium Wave InfraRed) and LWIR (LongWave InfraRed) spectral ranges. Sensor systems will provide the Canadian Forces with remote sensing data. They also include measurement and data processing devices.

Two types of platforms may be developed in order to meet the remote sensing needs; airborne platforms and remote sensing standoff platforms. A platform is defined as the set of physical support devices for sensor systems, for example, turrets, tripods, aircraft or helicopters. Sensors can be commercial or specifically designed to meet the needs of DRDC Valcartier. The work required for this project includes scientific, technical and engineering services.

Potentially necessary engineering work includes the integration of the physical and software components of the sensor systems and their integration into the intended platforms. The hardware components to be integrated include optical and hyperspectral sensors; environmental sensors, such as temperature, humidity and pressure measurement systems; aiming systems; devices for communication between the platform components and outside of the systems. Engineering work will be also needed to integrate the components and test the processing, delivery and data display algorithms. Work to develop the hardware and software may also be needed, but this does not specifically include the design of the support platforms for hyperspectral, multispectral or panchromatic sensors.

The scientific work that may be needed helps to support the development of sensor systems and includes the development of trials; experimentation; analysis of experimental data; phenomenological studies on light propagation in the atmosphere, the behaviour of targets and backgrounds; the development, implementation and testing of algorithms relating to hyperspectral, multispectral and panchromatic data processing. The Contractor may also need to provide advice relating to the operation and use of sensors.

2.2 Additional information

- i. The organization for which the services are to be rendered is Defence Research and Development Canada – Valcartier Research Centre.
- ii. The period of the Contract is from date of Contract to five years after award contract, inclusive.
- iii. Following this Request for Proposal, Canada intends to award two (2) Contracts :

The responsive bid with the highest responsive combined rating of technical merit and price will be recommended for award of Contract /001; and

The responsive bid with the second highest responsive combined rating of technical merit and price will be recommended for award of Contract /002.

If only one responsive bid is received, then a single contract will be awarded.

- iv. The total estimated amount of available funding is \$4,000,000.00, applicable taxes are not included.
 - Firm part: \$80,000.00, applicable taxes not included; and
 - Task Authorization part: \$3, 920, 000.00, applicable taxes not included.

If two (2) responsive bids are received, the distribution will be as follows:

- Contract /001: \$80,000.00 for the firm part of the Work + a maximum of \$2,352,000.00 for the Task Authorization part.
- Contract / 002: a maximum of 1,568,000.00 for the Task Authorization part.

OR

- If only one responsive bid is received, then a single contract will be awarded at 100% of the estimated amounts of available funding.

- v. Canada has determined that any intellectual property rights arising from the performance of the Work under the resulting contract will belong to Canada.

- vi. Work Location: The tasks that will need to be carried out for this contract will be classified as follows:

C1: Work that uses documents, data or equipment that are classified, protected or classified as controlled goods and that must be done on protected premises. This work can be performed on the premises of DRDC Valcartier or DRDC Ottawa or in the Contractor's facilities if appropriate.

Approximately 15% of the Work should be classified C1.

C2: Work that must be performed at DRDC Valcartier since it uses equipment that cannot be moved to the Contractor's facilities. This also include field trials.

Approximately 25% of the Work should be classified C2.

C3: Work that can be performed outside the facilities of DRDC Valcartier; this Work can be performed at DRDC Valcartier, DRDC Ottawa or in the Contractor's facilities, as decided by the Contractor. There are no requirement for the Contractor to have protected facilities that allow the processing of data, documents or equipment that are classified, protected, or classified as controlled goods.

Approximately 60% of the Work should be classified C3.

To obtain further information concerning the work location, please consult Section 9, Work location of Annex A – Statement of Work.

- vii. All or parts of the Work will be performed on an "as and when requested basis", using a Task Authorization (TA).

A contract with Task Authorizations (TAs) is a method of supply for services under which all of the work or a portion of the work will be performed on an "as and when requested basis". Under contracts with TAs, the work to be carried out can be defined but the exact nature and timeframes of the required services, activities and deliverables will only be known as and when the service(s) will be required during the period of the contract. A TA is a structured administrative tool enabling the Crown to authorize work by a contractor on an "as and when requested" basis in accordance with the conditions of the contract. TAs are not individual contracts.

- viii. There is a security requirement associated with this requirement. For additional information, consult Part 6 - Security, Financial and Other Requirements, and Part 7 - Resulting Contract Clauses. Bidders should consult the "Security Requirements for PWGSC Bid Solicitations - Instructions for Bidders" (<http://www.tpsgc-pwgsc.gc.ca/app-acq/lc-pl/lc-pl-eng.html#a31>) document on the Departmental Standard Procurement Documents website.

- ix. Bidders must provide a list of names, or other related information as needed, pursuant to section 01 of Standard Instructions 2003.

- x. For services requirements, Bidders must provide the required information, as detailed in article 3 of Part 2 of the bid solicitation, to comply with Treasury Board policies and directives on contracts awarded to Former Public Servant.

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

-
- xii. The requirement is limited to Canadian goods and/or services.
 - xiii. This procurement is subject to the Controlled Goods Program.
 - xiv. There is a Federal Contractors Program (FCP) for employment equity requirement associated with this procurement; see Part 5 - Certifications, Part 7 - Resulting Contract Clauses and the attachment named Federal Contractors Program for Employment Equity - Certification.
 - xv. The Contractor must complete and submit a **Foreign Ownership, Control and Influence (FOCI)** Questionnaire and associated documentation identified in the FOCI Guidelines for Organizations prior to contract award to identify whether a third party individual, firm or government can gain unauthorized access to CLASSIFIED FOREIGN information/assets.

3. Debriefings

After contract award, 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** of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

4. Communications

As a courtesy and in order to coordinate any public announcements pertaining to this contract, the Government of Canada requests that successful Bidders notify the Contracting Authority 5 days in advance of their intention to make public an announcement related to the recommendation of a contract award, or any information related to the contract. The Government of Canada retains the right to make primary contract announcements.

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

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

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

The 2003 (2016-04-04) 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: sixty (60) days

Insert: one hundred twenty (180) days

Subsection 11 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Insert: h) to negotiate with Bidders in order to arrive at the most cost-effective contract that is in keeping with the terms and conditions of the RFP, or to not award a contract at all to one or another supplier.

Subsection 14 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: In the event that the Bidder's bid is the sole responsive bid received, the Bidder must provide, on Canada's request, one or more of the following price justification: ...

Insert: In the event that the Bidder's bid is ranked first or second in accordance with the method of selection, the Bidder must provide, on Canada's request, one or more of the following price justification: ...

1.1 SACC Manual Clauses

A7035T(2007-05-25), List of Proposed Subcontractors

2. Submission of Bids

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

Bid Receiving - PWGSC
1550, D'Estimauville Avenue
Quebec, Quebec
G1J 0C7

Due to the nature of the bid solicitation, bids transmitted by facsimile or email to PWGSC will not be accepted.

3. Former Public Servant – Competitive bid

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: 2012-2 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.

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

4. Communications - Solicitation Period

All enquiries must be submitted in writing to the Contracting Authority, preferably via email at josee.roy@tpsgc-pwgsc.gc.ca, **no later than 8 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.

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.

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Amd. No. – N° de la modif.
File No. – N° du dossier
QCL-5-38299

Buyer ID – id de l'acheteur
qcl028

6. Basis for Canada's Ownership of Intellectual Property

Canada has determined that any intellectual property rights arising from the performance of the Work under the resulting contract will belong to Canada on the following grounds:

The Treasury Board, granted Defence Research and Development Canada exemption from the Treasury Board Policy on "Title to Intellectual Property Arising Under Crown Procurement Contracts".

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

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

Section I:	Technical Bid (5 hard copies)
Section II:	Financial Bid (2 hard copies)
Section III:	Certifications (1 hard copy)
Section IV:	Additional Information (1 hard copy)

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

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

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

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

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

1.1 Multiple bids

Multiple bids from the same Bidder (or a bid from a Bidder and another bid from any of its affiliates) are not permitted in response to this bid solicitation. Each Bidder must submit only a single bid. For the purpose of this bid solicitation, individual members of a joint venture cannot participate in another bid, either by submitting a bid alone or by participating in another joint venture. If any Bidder submits more than one bid (or an affiliate also submits a bid), either on its own or as part of a joint venture, Canada will choose in its discretion which bid to consider.

1.2 Section I: Technical Bid

- a) In their technical bid, bidders must 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.

- b) The technical bid consists of the following:
- (i) All the information required to demonstrate its conformity with the Mandatory and Point Rated Technical Criteria described in **Attachment 2**.
 - (ii) Each criterion should be addressed separately.
 - (iii) In order to allow the evaluation team to properly evaluate each technical evaluation criteria (mandatory and rated), the Bidder must clearly indicate the name of the proposed resources. Each resource must be proposed for at least one category in Attachment 2.
 - (iv) The technical bid should demonstrate that each proposed resources meets the qualification requirements described in Attachment 2 - Mandatory and Point Rated Technical Criteria:
 - (A) Proposed resources may be employees of the Bidder or employees of a subcontractor.
 - (B) For educational requirements, Canada will only consider educational programmes that were successfully completed by the resource by the time of bid closing.
 - (C) For any requirements that specify a particular time period (for example, 2 months) of work experience, Canada will disregard any information about experience if the experience claimed does not include the relevant dates (i.e., the start date and end date).
 - (D) Concomitant experience will be taken into consideration only once. For example, if the employee worked on a project from June 2013 to May 2014, and worked on another project from May 2014 to June 2015, we will consider the month of May 2014 only once.
 - (E) For work experience to be considered by Canada, the Bidder must not simply indicate the title of the resource's position, but must demonstrate that the resource has the required work experience by explaining the responsibilities and work performed by the resource while in that position.

1.3 Section II: Financial Bid

Bidders must submit their financial bid in accordance with the following:

- a. **Pricing:** Bidders must submit their financial bid in accordance with the **Financial Bid Presentation Sheet in Attachment 4**. The total amount of applicable taxes must be shown separately. Unless otherwise indicated, bidders must include a single, firm, all-inclusive price quoted in Canadian dollars in each cell requiring an entry in the Financial Bid Presentation Sheet.
- i. For each period of the contract, an hourly rate must be proposed by subcategory of resource or an hourly rate must be proposed by resource.

The main categories are:

 - Category Specialist
 - Category Engineering

-
- Category Technical Resources
 - Category Project Management

If a different rate is proposed within the same main category of resource, the difference between the lowest hourly rate and the highest hourly rate within the same main category and for the same period must be equal to or less than 30%. **If the difference is more than 30%, the bid will be declared non-responsive.**

Example to calculate the difference between the rates of Category Specialist (main category):

Mr. X rate proposed as a Specialist in radiative transfer in the Earth's atmosphere:
65\$/hour (lowest rate for this category)

Mr. Y rate proposed as a Specialist in atmospheric correction of hyperspectral images:
70\$/hour (highest rate for this category)

$$(70\$ - 65\$) / 65\$ = \text{Difference of 7.69\%}$$

- ii. Each proposed resource for a category must be indicated in the subcategory/subcategories for which they are being proposed in Section 1. Labour of the Financial Bid Presentation Sheet.
- b. Variation in Professional Services Resource Rates:** the proposed hourly rate by subcategory of resource or the proposed hourly rate by resource must not increase by more than 3% from one time period to the next. If the increase is more than 3%, the bid will be declared **non-responsive**.

1.3.1 SACC Manual Clauses

C3011T (2013-11-06), Exchange Rate Fluctuation

1.4 Section III: Certifications

Bidders must submit the certifications required under Part 5 and must provide the Federal Contractors Program for Employment Equity – Certification in Attachment 3.

1.5 Section IV: Additional Information

1.5.1 Additional Information Precedent to Contract Award

- i. Bidders must provide a list of names, or other related information as needed, pursuant to section 01 of Standard Instructions 2003.
- ii. For services requirements, Bidders must provide the required information, as detailed in article 3 of Part 2 of the bid solicitation, to comply with Treasury Board policies and directives on contracts awarded to Former Public Servant.
- iii. Security Information, if applicable :
 - a. Name of the individual as it appears on security clearance application form
 - b. Security Screening Certificate form file number
- iv. Work location

To obtain further information concerning the work location, please consult Section 9, Work location of Annex A – Statement of Work.

Where will the Work need to be performed when the Work will not have to be performed in the facilities of DRDC Valcartier and that the Contractor will need to perform Work that requires using or producing documents and/or goods and/or data PROTECTED and/or CLASSIFIED and/or Controlled goods?

(This Work is classified as C1)

a. DRDC Valcartier ()

If a resulting contract is awarded, the SRCL 1 clause as well as SRCL 1 will be included.

or

b. DRDC Ottawa ()

If a resulting contract is awarded, the SRCL 1 clause as well as SRCL 1 will be included.

or

c. Contractor's facilities ()

If a resulting contract is awarded, the SRCL 2 clause as well as SRCL 2 will be included.

Note: the Contractor should check only one box (a, b or c).

Where will the Work need to be performed when the Work will not have to be performed in the facilities of DRDC Valcartier and that there are no requirement for the Contractor to have protected facilities that allow the processing of data, documents or equipment that are classified, protected, or classified as controlled goods?

(This Work is classified as C3)

d. DRDC Valcartier ()

or

e. DRDC Ottawa ()

or

f. Contractor's facilities ()

Note:

If a Contractor checked "a", then "d" or "f" should also be checked.

If a Contractor checked "b", then "e" or "f" should also be checked.

If a Contractor checked "c", then "f" should also be checked.
The combinations "a" and "e" or "b" and "d" are not possible.

- v. There is a Federal Contractors Program (FCP) for employment equity requirement associated with this procurement; see Part 5 - Certifications, Part 7 - Resulting Contract Clauses and the Attachment 3 named Federal Contractors Program for Employment Equity - Certification.
- vi. Canada requests that bidders provide the following information:

Administrative representative :

Name :

Telephone :

Facsimile :

Email :

Technical representative :

Name :

Telephone :

Facsimile :

Email :

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

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.

1.1 Technical Evaluation

1.1.1 Bidder Experience

Except where expressly provided otherwise, the experience described in the bid must be the experience of the Bidder itself (which includes the experience of any companies that formed the Bidder by way of a merger but does not include any experience acquired through a purchase of assets or an assignment of contract). The experience of the Bidder's affiliates (i.e. parent, subsidiary or sister corporations), subcontractors, or suppliers will not be considered.

1.1.2 Supporting Information

In the event that the Bidder fails to submit any supporting information pursuant to sections 1.1.3 and 1.1.4 below, the Contracting Authority may, but is not obligated to, request it thereafter in writing to the Bidder, including after the closing date of the bid solicitation. It is mandatory that the Bidder provide the supporting information within three (3) business days of the written request or within such period as specified or agreed to by the Contracting Authority in the written notice to the Bidder.

1.1.3 Mandatory Technical Criteria

- (i) Each bid will be reviewed for compliance with the mandatory requirements of the bid solicitation. All elements of the bid solicitation that are mandatory requirements are identified specifically with the words "must" or "mandatory". Bids that do not comply with each and every mandatory requirement will be considered non-responsive and be disqualified.
- (ii) The mandatory requirements are described in: Attachment 2, Mandatory and Point Rated Technical Criteria.

1.1.4 Point Rated Technical Criteria

- (i) Each bid will be rated by assigning a score to the rated requirements, which are identified in the bid solicitation by the word "rated" or by reference to a score. Bidders who fail to submit complete bids with all the information requested by this bid solicitation will be rated accordingly.
- (ii) The rated requirements are described in: Attachment 2, Mandatory and Point Rated Technical Criteria.

1.2 Financial Evaluation

1.2.1 Mandatory Financial Criteria

Bidders must submit their financial bid in accordance with section **1.3 “Section II: Financial Bid”** of the Part 3 – Bid preparation instructions.

1.2.2 Evaluation of Price

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 conducted by calculating the “Total Bid Price” using Attachment 4 —Financial Bid Presentation Sheet, completed by the bidders.

The financial evaluation process is described in Attachment 1, Evaluation of Price.

2. Basis of Selection

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;
 - b. meet all mandatory technical evaluation criteria; and
 - c. obtain the required minimum points for the technical evaluation criteria which are subject to point rating. The rating is performed on a scale of 236.
2. Bids not meeting (a) or (b) or (c) will be declared non-responsive.
3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 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 /001.

The responsive bid with the second highest combined rating of technical merit and price will be recommended for award of a contract /002.

If only one responsive bid is received, then a single contract will be awarded at 100% of the estimated amounts of available funding.

8. Contract /002 could be awarded before contract/001.

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 236 and the lowest evaluated price is \$3,734,074.93.

		Bidder 1	Bidder 2	Bidder 3
Overall Technical Score		215 points	200 points	205 points
Bid Evaluated Price		\$4,104,775.48	\$3,734,074.93	\$4,161,149.59
		Calculations		
Calculations	Technical Merit Score	$215/236 \times 70 = 63.77$	$200/236 \times 70 = 59.32$	$205/236 \times 70 = 60.81$
	Pricing Score	$3,734,074.93\$ / 4,104,775.48\$ \times 30 = 27.29$	$3,734,074.93\$ / 3,734,074.93\$ \times 30 = 30.00$	$3,734,074.93\$ / 4,161,149.59\$ \times 30 = 26.92$
Combined Rating		91.06	89.32	87.73
Overall Rating		1st	2nd	3rd

PART 5 - CERTIFICATIONS

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

The certifications provided by bidders to Canada are subject to verification by Canada at all times. 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 may render the bid non-responsive or constitute a default under the Contract.

1. Certifications Required Precedent to Contract Award

1.1 Integrity Provisions – Associated Information

By submitting a bid, the Bidder certifies that the Bidder and its Affiliates are in compliance with the provisions as stated in Section 01 Integrity Provisions - Bid of Standard Instructions [2003](#). The associated information required within the Integrity Provisions will assist Canada in confirming that the certifications are true.

1.2 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](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from [Employment and Social Development Canada \(ESDC\) - Labour's website](#)

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 [Federal Contractors Program for Employment Equity - Certification](#) found at Attachment 3, before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

2. Additional Certifications Required Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid but may be submitted afterwards. If any of these required certifications 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 comply with the request of the Contracting Authority and to provide the certifications within the time frame provided will render the bid non-responsive.

2.1 Canadian Content Certification

This procurement is limited to Canadian services.

The Bidder certifies that:

- () the service(s) offered is (are) a Canadian service as defined in paragraph 2 of clause A3050T.

2.1.1 SACC Manual clause A3050T (2014-11-27), Canadian Content Definition

2.2 Status and Availability of Resources

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

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

2.3 Education and Experience

The Bidder certifies that all the information provided in the résumés and supporting material submitted with its bid, particularly the information pertaining to education, achievements, experience and work history, has been verified by the Bidder to be true and accurate. Furthermore, the Bidder warrants that every individual proposed by the Bidder for the requirement is capable of performing the Work described in the resulting contract.

2.4 Language Capability

The Bidder certifies that it has the language capability required to perform the Work, as stipulated in the Statement of Work.

PART 6 - SECURITY, FINANCIAL AND OTHER REQUIREMENTS

1. Security Requirement

1. Before award of a contract, the following conditions must be met:

- (a) the Bidder must hold a valid organization security clearance as indicated in Part 7 - Resulting Contract Clauses;
- (b) the Bidder's proposed individuals requiring access to classified or protected information, assets or sensitive work site(s) must meet the security requirement as indicated in Part 7 - Resulting Contract Clauses;

Before the award of a Contract, the Bidder(s) must meet the following minimum security requirements:

For the bidder with the highest combined rating according to the basis of selection:

- i. The proposed individuals for the Firm part of the Work must have a current "Secret" security screening level;

And

- ii. at least one proposed resources in each of the following categories must have a current "Secret" security screening level:
 - A. Specialist in radiative transfer in the Earth's atmosphere;
 - B. Specialist in atmospheric correction of hyperspectral images;
 - C. Specialist in image processing;
 - D. Specialist in signal processing;
 - E. Specialist in target and gas detection in hyperspectral imaging;
 - F. Specialist in optics;
 - G. Specialist in optoelectronics;
 - H. Specialist in radiometry;
 - I. Specialist in spectrometry;
 - J. Engineer in C++ or C# language programming;
 - K. Engineer in graphical user interface development in Windows;
 - L. Engineer in analog electronics;
 - M. Engineer in digital electronics;
 - N. Engineer in algorithm development for image processing and signal processing;
 - O. Engineer in algorithm implementation for signal processing and image processing;
 - P. Engineer in optical design;
 - Q. Engineer in experimentation organization and design for remote sensing;
 - R. Technician in electronics, optics or physics;
 - S. Technician in mechanics, mechanical design or mechanical Manufacturing;
 - T. Project Manager.

For the bidder with the second highest combined rating according to the basis of selection:

-
- i. at least one proposed resources in each of the following categories must have a current "Secret" security screening level:
- A. Specialist in radiative transfer in the Earth's atmosphere;
 - B. Specialist in atmospheric correction of hyperspectral images;
 - C. Specialist in image processing;
 - D. Specialist in signal processing;
 - E. Specialist in target and gas detection in hyperspectral imaging;
 - F. Specialist in optics;
 - G. Specialist in optoelectronics;
 - H. Specialist in radiometry;
 - I. Specialist in spectrometry;
 - J. Engineer in C++ or C# language programming;
 - K. Engineer in graphical user interface development in Windows;
 - L. Engineer in analog electronics;
 - M. Engineer in digital electronics;
 - N. Engineer in algorithm development for image processing and signal processing;
 - O. Engineer in algorithm implementation for signal processing and image processing;
 - P. Engineer in optical design;
 - Q. Engineer in experimentation organization and design for remote sensing;
 - R. Technician in electronics, optics or physics;
 - S. Technician in mechanics, mechanical design or mechanical Manufacturing;
 - T. Project Manager.
- (c) the Bidder must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites.
2. Bidders are reminded to obtain the required security clearance promptly. Any delay in the award of a contract to allow the successful bidder to obtain the required clearance will be at the entire discretion of the Contracting Authority.
3. For additional information on security requirements, bidders should consult the "Security Requirements for PWGSC Bid Solicitations - Instructions for Bidders" (<http://www.tpsgc-pwgsc.gc.ca/app-acq/lc-pl/lc-pl-eng.html#a31>) document on the Departmental Standard Procurement Documents website.
- 2. Financial Capability**
- SACC Manual clause A9033T (2012-07-16), Financial Capability
- 3. Controlled Goods Requirement**
- SACC Manual clause A9130T (2014-11-27), Controlled Goods Program

PART 7 - RESULTING CONTRACT CLAUSES

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

TITLE: Scientific and Engineering Work for the Development of Hyperspectral Imaging Platforms

1. Statement of Work

For the Firm part of the Work:

Note to bidders: The following text will only be included in the contract awarded according to the responsive bid with the highest combined rating of technical merit and price (contract/001).

The Contractor must perform the Work in accordance with the Statement of Work at Annex A and the Contractor's technical bid entitled _____, dated _____. **(to be completed by Canada at contract award).**

For the Task Authorization part of the Work:

The Contractor must perform the Work in accordance with the Statement of Work at Annex A and the Contractor's technical bid entitled _____, dated _____, as and when requested by Canada during the period of the Contract **(to be completed by Canada at contract award).**

Two contracts were awarded as a result of Public Works and Government Services Canada bid solicitation number W7701-166147/A. The contractor's order of ranking is as follows:

Ranked first: _____ **(to be completed by Canada at contract award)**
Ranked second: _____ **(to be completed by Canada at contract award)**

An obligation for any Work will come into force only when a Task Authorization (TA) is approved and issued in accordance with the clause entitled "Task Authorization Process".

1.1 Task Authorization

All or parts of the Work of the contract **(to be completed by Canada at contract award)** 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.

1.1.1 Task Authorization Process

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 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 resources;
- (d) any other constraints that might affect task completion.

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 B – 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 5 business days of the request by Canada.

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.

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 (see Annex E).

1.1.2 Task Authorization Limit

The DND Procurement Authority may authorize individual task authorizations up to a limit of **\$125 000.00**, applicable taxes Tax included, inclusive of any revisions.

Any TA to be issued with a value in excess of these limits must be authorized by the Contracting Authority before issuance.

1.1.3 Minimum Work Guarantee - All the Work - Task Authorizations

Note to bidders: The following clause will only be included in the contract awarded according to the responsive bid with the highest combined rating of technical merit and price (contract/001).

1. In this clause,

"Maximum Contract Value" means the amount specified in the "Limitation of Expenditure" clause set out in the Contract, including the Firm part of the Work.

"Minimum Contract Value" means 10% of the Maximum Contract Value.

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.

Note to bidders: The following clause will only be included in the contract awarded according to the responsive bid with the second highest combined rating of technical merit and price (contract/002).

1. In this clause,

"Maximum Contract Value" means the amount specified in the "Limitation of Expenditure" clause set out in the Contract.

"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.

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.

1.1.5 Methodology for issuing Task Authorizations

The Technical Authority may choose to issue the Task Authorizations to the Contractor of his choice (/001 or /002). However, the Maximum Contract Value must be respected.

Canada intends to attempt to respect the following balance when issuing TAs:

60% for Contract /001; and
40% for Contract /002.

However, this is not a contract guarantee.

1.2 Disclosure Certification

On completion of the Work, the Contractor must submit to the Technical Authority and to the Contracting Authority a copy of the Contractor Disclosure of Foreground Information attached as Annex C stating that all applicable disclosures were submitted.

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>) issued by Public Works and Government Services Canada.

2.1 General Conditions

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

2.2 Supplemental General Conditions

The following supplemental general conditions apply to and form part of the Contract:

4002 (2010-08-16), Software Development or Modification Services

2.3 SACC Manual Clauses

K3410C (2015-02-25), Canada to Own Intellectual Property Rights in Foreground Information

K3305C (2008-05-12), License to Intellectual Property Rights in Foreground Information

3. Security Requirement

The following security requirement (SRCL and related clauses) applies and form part of the Contract.

3.1 SECURITY REQUIREMENT FOR CANADIAN SUPPLIER:

SECURITY REQUIREMENT FOR CANADIAN SUPPLIER when *SRCL 1 is included*.

1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid **Facility Security Clearance** at the level of **NATO SECRET**, issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
2. This contract includes access to **controlled goods**. Prior to access, the contractor must be registered in the Controlled Goods Program of Public Works and Government Services Canada.
3. The Contractor/Offeror personnel requiring access to **CANADA PROTECTED / CLASSIFIED** information, assets or sensitive work site(s) **must EACH hold a valid RELIABILITY STATUS or SECRET clearance**, as required, granted or approved by CISD/PWGSC.
4. The Offeror personnel requiring access to **NATO CLASSIFIED** information, assets or sensitive work site(s) **must be permanent residents of Canada or citizens of a NATO member country** and **EACH** hold a valid personnel security screening at the level of **NATO SECRET**, as required, granted or approved by the appropriate delegated Nato Security Authority.
5. The Contractor/Offeror personnel requiring access to **NATO UNCLASSIFIED** information or assets do not require to hold a personnel security clearance; however, the Contractor must ensure that the NATO Unclassified information is not releasable to third parties and that the "need to know" principle is applied to personnel accessing this information.
6. The Contractor/Offeror **MUST NOT** remove any PROTEGES/CLASSIFIED information from the identified work site(s), and the Contractor/Offeror must ensure that its personnel are made aware of and comply with this restriction.
7. Subcontracts which contain security requirements are **NOT** to be awarded without the prior written permission of CISD/PWGSC.
8. The Offeror must complete and submit a **Foreign Ownership, Control and Influence (FOCI) Questionnaire** and associated documentation identified in the FOCI Guidelines for Organizations prior to contract award to identify whether a third party individual, firm or government can gain unauthorized access to **CLASSIFIED NATO information/assets**. Public Works and Government Services Canada (PWGSC) will determine if the company is "*Not Under FOCI*" or "*Under FOCI*". When an organization is determined to be *Under FOCI*, PWGSC will ascertain if mitigation measures exist or must be put in place by the company so it can be deemed "*Not Under FOCI through Mitigation*".
9. The Offeror should at all times during the performance of the contract possess a letter from PWGSC identifying the results of the FOCI assessment with a FOCI designation of *Not Under FOCI* or *Not Under FOCI through Mitigation*.
10. All changes to Questionnaire and associated FOCI evaluation factors must immediately be submitted to the Industrial Security Sector (ISS) to determine if the changes impact the FOCI designation.

11. The Offeror must comply with the provisions of the:

- (a) Security Requirements Check List and security guide (if applicable), attached at Annex D;
- (b) *Industrial Security Manual* (Latest Edition).

SECURITY REQUIREMENT FOR CANADIAN SUPPLIER when *SRCL 2 is included*.

1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid Facility Security Clearance at the level of **NATO SECRET and SECRET with approved Document Safeguarding at the level of NATO SECRET and SECRET**, issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
2. This contract includes access to controlled goods. Prior to access, the contractor must be registered in the Controlled Goods Program of Public Services and Procurement Canada.
3. The Contractor/Offeror personnel requiring access to **PROTECTED** information, assets or work site(s) must **EACH** hold a valid **RELIABILITY STATUS**, granted or approved by the CISD/PWGSC.
4. The Contractor/Offeror personnel requiring access to **CLASSIFIED** information, assets or sensitive work site(s) must **EACH** hold a valid personnel security screening at the level of **SECRET**, granted or approved by the CISD/PWGSC.
5. The Contractor/Offeror personnel requiring access to **NATO UNCLASSIFIED** information or assets do not require to hold a personnel security clearance; however, the Contractor must ensure that the NATO Unclassified information is not releasable to third parties and that the "need to know" principle is applied to personnel accessing this information.
6. The Contractor/Offeror personnel requiring access to **NATO CLASSIFIED** information, assets or sensitive work site(s) must be **permanent residents of Canada or citizens of a NATO member country** and **EACH** hold a valid personnel security screening at the level of **NATO SECRET**, granted or approved by the appropriate delegated NATO Security Authority.
7. The Contractor **MUST NOT** utilize its Information Technology systems to electronically process, produce or store any sensitive **CLASSIFIED** information until CISD/PWGSC has issued written approval. After approval has been granted, these tasks may be performed at the level of **NATO SECRET**.
8. Subcontracts which contain security requirements are **NOT** to be awarded without the prior written permission of CISD/PWGSC.
9. The Contractor must complete and submit a **Foreign Ownership, Control and Influence (FOCI)** Questionnaire and associated documentation identified in the FOCI Guidelines for Organizations prior to contract award to identify whether a third party individual, firm or government can gain unauthorized access to **CLASSIFIED NATO** information/assets. **Public Works and Government Services Canada** (PWGSC) will determine if the company is "*Not Under FOCI*" or "*Under FOCI*". When an organization is determined to be *Under FOCI*, PWGSC will ascertain if mitigation measures exist or must be put in place by the company so it can be deemed "*Not Under FOCI through Mitigation*".
10. The contractor should at all times during the performance of the contract possess a letter from PWGSC identifying the results of the FOCI assessment with a FOCI designation of *Not Under FOCI* or *Not Under FOCI through Mitigation*.

11. All changes to Questionnaire and associated FOCI evaluation factors must immediately be submitted to the Industrial Security Sector (ISS) to determine if the changes impact the FOCI designation.
12. The Contractor/Offeror must also comply with the provisions of the:
 - (a) Security Requirements Check List, attached at Annex D;
 - (b) Industrial Security Manual (latest edition).

3.2 Visit Clearance Requests for Employees

As soon as the contract is awarded, the supplier will be required to obtain, without delay, visit clearance from ISS for each of its employees assigned to the contract.

Suppliers must submit a request for visit to ISS. To obtain the form, suppliers may consult the Visit section on the following website: <http://iss-ssi.pwgscc.gc.ca/formulaires-forms/index-eng.html>.

A minimum lead time of 25 working days is required to obtain a visit clearance from ISS.

Without visit clearance, the supplier's employees will not have access to DRDC-Valcartier facilities, leaving the supplier liable for delays in delivery.

Suppliers can consult the ISS Web site on visit clearances at: <http://iss-ssi.pwgscc.gc.ca/msi-ism/index-eng.html> , chapter 6.

4. Term of Contract

4.1 Period of Contract

The period of the Contract is from date of Contract to five years after Contract award, inclusive.

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Josée Roy
Public Works and Government Services Canada
601-1550 D'Estimauville
Québec, QC.
G1J 0C7

Telephone: 418-649-2932
Facsimile: 418-649-2209
E-mail address: Josee.Roy@tpsgc.pwgscc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not

perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

5.2 Technical Authority *(to be completed at Contract award)*

The Technical Authority for the Contract is:

Name : _____
Organization: _____
Telephone: _____
Facsimile: _____
E-mail address: _____

The Technical Authority 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.

5.3 Contractor's Representative *(to be completed at Contract award)*

Administrative representative :

Name : _____
Telephone : _____
Facsimile : _____
Email : _____

Technical representative :

Name : _____
Telephone : _____
Facsimile : _____
Email : _____

5.4 DND Procurement Authority *(to be completed at Contract award)*

The DND Procurement Authority for the Contract is:

Name : _____
Organization: _____
Telephone: _____
Facsimile: _____
E-mail address: _____

The DND Procurement Authority is the representative of the department or agency for whom the Work is being carried out under the Contract. The DND Procurement Authority is responsible for the implementation of tools and processes required for the administration of the Task Authorizations. The Contractor may discuss administrative matters identified in Task Authorizations with the DND Procurement Authority however the DND 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.

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 Blue: 2012-2](#) of the Treasury Board Secretariat of Canada.

7. Payment

7.1 Basis of Payment

7.1.1 For the Firm part of the Work:

Note to bidders: The following text will only be included in the contract awarded according to the responsive bid with the highest combined rating of technical merit and price (contract/001).

The Contractor will be reimbursed for the costs reasonably and properly incurred in the performance of the Work, as determined in accordance with the Basis of Payment in Annex B, to a limitation of expenditures of **\$80,000.00**. Customs duties are included, and Applicable Taxes are extra.

7.1.2 For the Task Authorizations part of the Work:

One of the following bases of payment will apply to the Task Authorization (TA). The price of the task must be established according to the Annex B- Basis of Payment.

(i) Professional Services 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 B, 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) Professional Services 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 B, 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) Professional Services 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 B, 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.

(iv) Travel and Living Expenses:

Travel and living expenses will be paid in accordance with the terms and conditions established under Travel and Living Expenses of Annex B.

7.2 Limitation of Expenditure

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

7.3 Method of Payment

7.3.1 Payments will be made not more frequently than once a month.

7.3.2 For the Firm part of the Work:

Note to bidders: The following text will only be included in the contract awarded according to the responsive bid with the highest combined rating of technical merit and price (contract/001).

Progress Payments

1. 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:
 - (a) 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;
 - (b) the amount claimed is in accordance with the Basis of Payment and the Task Authorization;
 - (c) 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.
 - (d) all certificates appearing on form PWGSC-TPSGC 1111 have been signed by the respective authorized representatives.
2. The balance of the amount payable will be paid in accordance with the payment provisions of the 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.
3. 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.

7.3.3 For the Task Authorization part of the Work:

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

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

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.

7.3.1.2 Milestone Payments (For a TA subject to a Firm Price)

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.

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

- (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.

7.4 SACC Manual Clauses

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

7.5 Discretionary Audit

SACC Manual Clause C0705C (2010-01-11), Discretionary Audit

8. Invoicing Instructions

1. 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, as applicable;
 - (d) the description of the milestone invoiced, as applicable.
2. For the Firm part of the Work and for TAs subject to a Ceiling Price or a Limitation of Expenditure, each invoice must be supported by:
- (a) a list of all expenses, in accordance with the TA if applicable;
 - (b) a copy of time sheets to support the time claimed; the time sheet must also be signed by both the resource and the Contractor's project manager responsible for the work performed.
 - (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 one original and two (2) copies of the claim on form PWGSC-TPSGC 1111, and forward it to the Contracting Authority for certification.

ATTN: _____ (to be completed at Contract award)
Public Works and Government Services Canada
601-1550 D'Estimauville
Québec, QC.
G1J 0C7

The Contracting Authority will then forward the original and two (2) copies of 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.

9. Certifications

9.1 Compliance

Compliance with the certifications and related documentation provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification, provide the related documentation or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

9.2 SACC Manual Clauses

A3060C (2008-05-12), Canadian Content Certification

10. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____. (*The province or territory will be specified at Contract award.*)

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 (2016-04-04), General Conditions - Research & Development;
- (d) Annex A, Statement of Work;
- (e) Annex B, Basis of Payment;
- (f) Annex C, Contractor Disclosure of Foreground Information;
- (g) Annex D, Security Requirements Check List;
- (h) Annex E, DND 626, Task Authorization Form;
- (i) the signed Task Authorizations (including all of its annexes, if any);
- (j) the Contractor's bid dated _____ (*to be inserted at contract award*).

12. Defence Contract

SACC Manual clause A9006C (2012-07-16), Defence Contract

13. Foreign Nationals (Canadian Contractor)

SACC Manual clause A2000C (2006-06-16), Foreign Nationals (Canadian Contractor)

14. Insurance

SACC Manual clause G1005C (2016-01-28), Insurance –No specific requirement

15. Controlled Goods Program

15.1 SACC Manual clause A9131C (2014-11-27), Controlled Goods Program

15.2 SACC Manual clause B4060C (2011-05-16), Controlled Goods

16. Progress Reports

1. The Contractor must submit monthly reports, on the first business day of each month, 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 both the Technical Authority and the Contracting 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.

17. 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.

18. Identification Badge

SACC Manual clause A9065C (2006-06-16), Identification Badge

ANNEX A

STATEMENT OF WORK

**1. TITLE: SCIENTIFIC AND ENGINEERING WORK FOR THE DEVELOPMENT OF
HYPERSPSCTRAL IMAGING PLATFORMS**

2. BACKGROUND

Defence Research and Development Canada (DRDC) in Valcartier is currently developing and testing sensor systems for reconnaissance and surveillance. A sensor system is defined as all the supporting physical and software components of the sensors. Sensor systems are designed for use on standoff or airborne platforms. These include hyperspectral, multispectral and panchromatic sensors that operate in the full optical spectral range between 0.35 and 13 micrometers. These cover therefore the VNIR (Visible-Near InfraRed), SWIR (Short Wave InfraRed), MWIR (Medium Wave InfraRed) and LWIR (LongWave InfraRed) spectral ranges. Sensor systems will provide the Canadian Forces with remote sensing data. They also include measurement and data processing devices.

Two types of platforms may be developed in order to meet the remote sensing needs; airborne platforms and remote sensing standoff platforms. A platform is defined as the set of physical support devices for sensor systems, for example, turrets, tripods, aircraft or helicopters. Sensors can be commercial or specifically designed to meet the needs of DRDC Valcartier. The work required for this project includes scientific, technical and engineering services.

Potentially necessary engineering work includes the integration of the physical and software components of the sensor systems and their integration into the intended platforms. The hardware components to be integrated include optical and hyperspectral sensors; environmental sensors, such as temperature, humidity and pressure measurement systems; aiming systems; devices for communication between the platform components and outside of the systems. Engineering work will be also needed to integrate the components and test the processing, delivery and data display algorithms. Work to develop the hardware and software may also be needed, but this does not specifically include the design of the support platforms for hyperspectral, multispectral or panchromatic sensors.

The scientific work that may be needed helps to support the development of sensor systems and includes the development of trials; experimentation; analysis of experimental data; phenomenological studies on light propagation in the atmosphere, the behaviour of targets and backgrounds; the development, implementation and testing of algorithms relating to hyperspectral, multispectral and panchromatic data processing. The Contractor may also need to provide advice relating to the operation and use of sensors.

3. ACRONYMS

AD	Applicable document
CF	Canadian Forces
CG	Controlled goods

DRDC	Defence Research and Development Canada
LWIR	LongWave Infrared
MWIR	Medium Wave InfraRed
NATO	North Atlantic Treaty Organization
SOW	Statement of work
SWIR	Short Wave InfraRed
TA	Technical Authority
VNIR	Visible and Near InfraRed

4. APPLICABLE DOCUMENTS AND REFERENCES

None

5. SCOPE OF WORK:

This contract includes a firm portion and a task authorization portion.

5.1 WORK PERFORMED ON REQUEST THROUGH TASK AUTHORIZATIONS

The Contractor will provide the services outlined in tasks 5.1A to 5.1J below. The tasks will be performed on request by means of a task authorization (TA). A TA may refer to more than one task, and the same task may be repeated several times over the term of the contract.

Task 5.1 A: Theoretical Studies in Airborne Imaging and Standoff Imaging

Background:

In this type of task, the Contractor will provide scientific services relating to the modeling and description of backgrounds, of targets and of the training environment for hyperspectral, multispectral or panchromatic images.

Description of Work:

The Contractor will:

- i. Incorporate the effect of sensors by using or developing sensor models in the production of images;
- ii. Consider multiple effects, including absorption, diffusion and refraction, on the light in the optical bands extending from the far infrared to ultraviolet wavelengths;
- iii. Model the effects of processing one component of a processing chain on the other components of the chain. The number of components is variable and may be as many as 10.

The applications concerned are airborne and remote hyperspectral, multispectral and panchromatic imaging. One example of possible work is the evaluation of the effects resulting from the atmospheric corrections processing on the effectiveness of target detection algorithms.

Task 5.1 B : Processing and Analysis of Standoff and Airborne Imaging Data

Background:

DRDC Valcartier will provide the Contractor with data sets that may include raw or calibrated images as well as ground-truth data. The images may derive from hyperspectral, multispectral or panchromatic sensors. The sensors may be airborne or **standoff**.

The possible objectives of these tasks will be to:

- understand the impact of backgrounds, targets and environment on image formation;
- correct images for the defects or characteristics introduced by the sensors or the environment;
- evaluate the effects of various image processing methods on the expected results of the image processing applications and processes.

Description of Work:

- i. The Contractor will process data based on the specifications issued by the technical manager of the research centre at DRDC Valcartier;
- ii. The Contractor will be responsible for designing and implementing the processing chain, applying it to the images and analyzing the results.

Task 5.1 C: Development, Implementation and Image/Data Processing Algorithm Testing**Background:**

Several image processing methods can be used only under a certain set of conditions. The type and operating mode of the sensors and the applications for which the images are acquired affects the particular image processing method selected. For certain applications, there are no suitable methods available. On occasion, certain methods that may theoretically be used may need to be adapted or simply tested.

Description of Work:

The Contractor will:

- i. Develop new methods, implement and test them;
- ii. If necessary, adapt existing methods, implement and test them.

The required algorithms will apply to applications on airborne or standoff imaging sensors. The images from these sensors may be hyperspectral, multispectral or panchromatic.

Task 5.1 D: Evaluation, Validation and Comparison of Image Processing Algorithms.**Background:**

Before deploying or selecting an algorithm designed to perform a given task, that algorithm must be evaluated and validated. Its performance must also be compared with similar algorithms, if such exist.

Description of Work:

The Contractor will:

- i. validate algorithms: validation is used to verify whether the algorithm actually performs the task for which it was designed;
- ii. evaluate algorithms: evaluation is the process whereby the algorithm's performance is estimated and compared, where applicable, with the algorithm's specifications;
- iii. compare algorithms: comparison is the process whereby the performances of algorithms with similar functions are compared based on the objectives for which they were designed.

These processes will be carried out by the Contractor for algorithms to be provided him/her by DRDC Valcartier, along with data sets.

Task 5.1 E: Design and Development of Experiments in Airborne and Standoff Imaging

Background:

To develop effective remote sensing applications in airborne and standoff imaging, the phenomenologies relating to the following must be well understood: backgrounds; targets; sensors and their surrounding environment. As part of this project, imaging equipment, image formation models, prediction tools and processing algorithms will be developed in the form of system components. All these system components must be tested in various conditions in order to substantiate them and understand their area of validity, which requires experimental data. Experiments must be carried out to be able to supply test results and data. In some cases, the Contractor will design, develop and build the material and equipment that will be used to successfully carry out the experiments and tests.

Description of Work:

The Contractor will:

- analyze the requirements needed to conduct the experimental testing;
- design experimental frameworks;
- provide the system or device specifications that will have to be developed to meet the requirements;
- prepare the relevant documents for conducting the experiments, for example, the environmental clearances;
- prepare the documents relating to chemical or biological products that would be used in measurement campaigns or laboratories;
- coordinate the flight plans for experiments conducted outdoors.

Task 5.1 F: Conduct Experimental Work in Airborne and Standoff Imaging

Description of Work:

The Contractor must travel to the site to install the experiments designed either by him/her or by DRDC Valcartier. The Contractor must be able to use measuring equipment and ground-truth data acquisition devices such as the MRScan-300. These devices may include spectrometers, cameras, global positioning devices (GPS), radiometers, etc. The Contractor must perform calibrations where necessary and obtain and collate the measurements taken by these devices.

Task 5.1 G: Processing and Analysis of Ground Data Acquired during Experiments

Background:

Large volumes of ground data are acquired during the experiments. These data must be recorded, categorized, analyzed and interpreted. This data is required in order to draw comparisons with the results of processed data acquired by airborne or remote sensors.

Description of Work:

The Contractor must, in compliance with the specifications and requirements issued by the Technical Authority DRDC Valcartier, process the data he/she has received.

Some sample specifications:

- Using spectral measurements, estimate the emissivity or reflectance of targets and materials found on the experimental sites;
- Estimate, from meteorological measurements, the intensity of atmospheric turbulence;
- Compile measurements in order to characterize the experimental sites and targets, location, orientation, and organization of the data in a logical series for subsequent use.

Task 5.1 H: Development and Maintenance of Measurement Systems for the Acquisition of Ground-Truth Data

Background:

In many cases, the measurement devices and systems available at DRDC Valcartier or off the shelf must be adapted for specific uses that emerge during the experiments.

Description of Work:

The Contractor must design measurement systems to obtain ground-truth data in accordance with the specifications issued by the Scientific Authority and implement networking software and programs for automatically taking measurements with existing devices, such as radiometers, spectrometers, etc.

DRDC Valcartier has ground-truth data acquisition systems like MRScan-300, ASD, spectrometers, radiometers, GPS, etc. The Contractor will be able to use them during the experimental work.

Task 5.1 I: Development, Implementation and Integration of Hardware and Software into Sensor Systems, and Adaptation to Airborne or Standoff Imaging Platforms

The Contractor will develop components, use existing components to modify existing sensor systems or change capabilities by integrating new functions or modifying existing functions. These functions or components can be either software or hardware, and the platforms can be airborne or on the ground.

- i. Developed hardware can include mechanical supports, electronics or electrical controls such as motors, motor controls and camera supports; it does not include the development of the sensors, but only of the surrounding equipment;
- ii. The software to be developed includes external control components for the sensors and data processing software, and the interface between sensors and the information transmission systems.

Task 5.1 J : Participate in International Exchange Programs

The Contractor will:

- i. Produce presentations exploring the fields of airborne or standoff remote sensing and their relationship to the applications of panchromatic, multispectral and hyperspectral imaging; and showcase this technology during the discussions that DRDC Valcartier maintains with international organizations in countries like the U.S. and France;
- ii. Present material developed in the course of these programs to national or international working or discussion groups. This work includes drafting presentations in English (in PowerPoint format), summarizing the work accomplished, and participating in workshops, specialized working groups or symposia.

5.2 FIRM PORTION: Note to bidders: The following text will only be included in the contract awarded according to the responsive bid with the highest combined rating of technical merit and price (contract/001).

The Contractor must carry out the two (2) tasks described below.

Task 5.2 A: Analysis and Comparison of the Generalized Likelihood Ratio Test algorithm (GLRT) for Target Detection in Hyperspectral Imaging

5.2 A.1: The Contractor will apply the GLRT algorithm and another algorithm of his/her choice to 50 calibrated hyperspectral images obtained in the LWIR, SWIR and VNIR ranges in order to determine:

- A: the targets that can be identified from the images, and the signature database to be supplied at the start of the project by DRDC Valcartier;
- B: the spectral regions that provide the best detection results by using a metric chosen by the Contractor;
- C: an evaluation of the false alarm rate for each target identified in item A.

Task 5.2 B: Integration of a High Level Control System in Calibration Targets in the LWIR Range

Three modular calibration targets are developed at DRDC Valcartier for the purpose of providing the atmospheric optical parameters, including transmittance, path radiation and downwelling atmospheric

irradiance. These three targets are defined as hot, cold and reflective. Modules have been developed comprising a heating system and a control system with feedback loop of the heating system based on a microcontroller. Although each module is individually controllable, a certain uniformity of temperature must be maintained on each target, and there should be a minimum temperature differential of 10K between the hot and cold targets. A high level control algorithm must be developed, implemented and tested in order to meet the aforementioned specifications.

The Contractor must:

5.2.B.1 Develop and implement a control algorithm that makes it possible to specify the temperature control points for each module and for each of the three targets;

5.2.B.2 Develop an overall temperature control algorithm that will meet the following specifications:

- 1) temperature uniformity within the same target less than or equal to 0.5K;
- 2) minimum temperature difference of 10K between the hot and cold targets;
- 3) record the temperatures of each module of each target, with variable intervals of 10 seconds at maximum and 1 hour at minimum in increments of 10 seconds;
- 4) record the position of each module within its target.

6. DELIVERABLES

6.1 Deliverables for Generic Tasks 5.1A to 5.1K

6.1. A: Deliverables for Task 5.1.A

Reports or sections of reports integrated into work carried out as part of other tasks completed under this contract, the data generated and the various computer codes produced.

The reports must be submitted in paper and electronic copies and must include:

- a. the analyses;
- b. the models;
- c. the simulation results;
- d. the recommendations concerning further studies.

6.1 B: Deliverables for Task 5.1 B

Reports or sections of reports integrated into work carried out as part of other tasks completed under this contract, the data generated and the various computer codes produced.

- a) Provide details on the image processing, including:
 - a. design;
 - b. implementation;
 - c. processing results;
 - d. conclusion concerning the results;
 - e. recommendations on preferred approaches.
- b) All data produced during the work.

6.1 C: Deliverables for Task 5.1 C

Reports or sections of reports integrated into work carried out as part of other tasks completed under this contract, the data generated and the various computer codes produced.

- a) details on the design of the processing methods;
- b) details on the implementation of the processing methods;
- c) details on the tests applied to the algorithms and images;
- d) detailed results of the analyses, tests and implementations;
- e) computer codes produced during the work;
- f) intermediate and final processing data.

6.1 D: Deliverables for Task 5.1 D

Reports or sections of reports integrated into work carried out as part of other tasks under this contract, the data generated and the various computer codes produced.

- a) Details on algorithm validation operations
 - a. design of tests;
 - b. results;
 - c. recommendations on the use of algorithms.
- b) Details on algorithm evaluation
 - a. development of performance parameters to be met;
 - b. details on the tests used to verify achievement of these performance parameters;
 - c. test results;
 - d. recommendations on the use of the algorithms.
- c) The details on algorithm comparisons
 - a. design of comparison methods;
 - b. details on results;
 - c. recommendations on the use of algorithms.

6.1 E: Deliverables for Task 5.1 E

Reports or sections of reports integrated into work carried out as part of other tasks under this contract, the data generated and the various computer codes produced.

- a) details on needs analyses and the compilation of needs;
- b) the plans for the design of tests and the recommendations on the implementation and performance of these tests;
- c) all the specifications of systems or devices that will have to be developed to meet the testing requirements.

6.1 F: Deliverables for Task 5.1 F

All raw and processed data in paper and electronic format, depending on the means of acquisition.

- a) the details on the performed tests;
- b) the report on the progress of the tests;
- c) raw data broken down by test;
- d) the processed data broken down by test.

6.1 G: Deliverables for Task 5.1 G

Paper or electronic copy of the report, including the results of the ground-truth data processing and analyses. The results of the analyses and the relevance of the tests may also be included in the deliverable.

The processed data must be copied onto an electronic medium in a format suitable for use by DRDC personnel.

Reports must include:

- a) the classification of the data provided based on the completed testing;
- b) analysis of data provided;
- c) compilation of the test results, and comparison with the theoretically predicted results;
- d) recommendations for improving processing or testing methods.

6.1 H: Deliverables for Task 5.1 H

All analytic documents and software, source codes, scripts and software compiled and operating in the field computer equipment owned by DRDC Valcartier and assigned to the Contractor.

- a) The designed testing equipment;
- b) The plans and specifications;
- c) The tests and measurements performed on the equipment to verify its operation.

6.1 I: Deliverables for Task 5.1 I

All the hardware and software components that have been designed, plus design methods and plans, and operating and maintenance manuals.

6.1 J: Deliverables for Task 5.1 J

Deliverables: All documents produced in order to perform the desired task (presentations or reports). These documents are produced either in English or French, depending on the group receiving the presentation. The groups operating under the Franco-Canadian agreement may require documents in French.

6.2 Deliverables for Firm Tasks 5.2 A and 5.2B

Note to bidders: The following text will only be included in the contract awarded according to the responsive bid with the highest combined rating of technical merit and price (contract/001).

6.2 A: The detection and identification results, with a report on CD or a computer medium selected by the Contractor that documents how the algorithms were applied to the hyperspectral images.

6.2 B: a) The entire software program (source code and compile code);
b) A report containing the drawings, diagrams, plans and a description of the algorithms and software used.

7. DELIVERY DATE

The delivery date for the deliverables of tasks 5.2 A and 5.2 B is 31 March 2017. **Note to bidders:** The following text will only be included in the contract awarded according to the responsive bid with the highest combined rating of technical merit and price (contract/001).

8. LANGUAGE OF WORK

The language of work will be French or English.

9. WORK LOCATION

In carrying out the Contract, the Contractor will not be required to perform all the work on DRDC’s premises. Moreover, it may be possible, depending on the circumstances, to use the facilities of DRDC Valcartier or DRDC Ottawa to carry out work that uses or produces documents or equipment that are classified, protected or classified as controlled goods. Should the Contractor possess facilities enabling the processing of information, documents or equipment that are classified, protected or classified as controlled goods, he/she will be able to perform this work in his/her own facilities, DRDC Valcartier’s facilities, or DRDC Ottawa’s facilities by selecting the appropriate SRCL and applying it throughout the period of the Contract.

It is imperative that some work be carried out in DRDC Valcartier’s facilities or outside the Contractor’s facilities. This will apply, for example, to the incorporation of hardware or software into existing equipment that is difficult to move or whose nature is such that the work must be carried out of the Contractor’s facilities, for example, during deployments or during trials and experiments.

The following chart provides **approximate percentages** indicating the amount of work for each task to be performed on premises that allow for the processing of classified, protected or classified as controlled goods data, plus the proportion of work that must be carried out at DRDC Valcartier or does not require the use of classified premises.

Work class:

C1: Work that uses documents, data or equipment that are classified, protected or classified as controlled goods and that must be done on protected premises. This work can be performed on the premises of DRDC Valcartier or DRDC Ottawa or in the Contractor’s facilities if appropriate.

Approximately 15% of the Work should be classified C1.

C2: Work that must be performed at DRDC Valcartier since it uses equipment that cannot be moved to the Contractor’s facilities. This also include field trials.

Approximately 25% of the Work should be classified C2.

C3: Work that can be performed outside the facilities of DRDC Valcartier; this Work can be performed at DRDC Valcartier, DRDC Ottawa or in the Contractor’s facilities, as decided by the Contractor. There are no requirement for the Contractor to have protected facilities that allow the processing of data, documents or equipment that are classified, protected, or classified as controlled goods.

Approximately 60% of the Work should be classified C3.

Task	Name	C1	C2	C3
5.1.A	Theoretical studies in airborne and standoff imaging	15%	0%	85%

5.1.B	Processing & analysis of standoff & airborne data	25%	0%	75%
5.1.C	Development, implementation and testing of algorithms for data and image processing	15%	10%	75%
5.1.D	Evaluation, validation and comparison of algorithms for image processing	25%	5%	75%
5.1.E	Design and development of experimentation in airborne and standoff imaging	0%	10%	90%
5.1.F	Performance of experimental work in airborne and standoff imaging	0%	90%	10%
5.1.G	Processing and analysis of ground data acquired during experimentation	30%	0%	70%
5.1.H	Development and maintenance of measuring system for the acquisition of ground-truth data	10%	80%	10%
5.1.I	Development, implementation and integration of hardware and software components into sensor systems, and adaptation to airborne or satndoff imaging platforms	5%	90%	5%
5.1.J	Participate in international exchange programs	N/A	N/A	N/A

DRDC Valcartier’s address is 2459 Route de la Bravoure, Québec City, Québec G3J 1X5.

DRDC Ottawa’s address is 3701 Carling Avenue, Ottawa, Ontario K1A 0Z4.

10. TRAVEL

The Contractor may be required to travel for conferences, meetings or testing, depending on the task requested. The contractor will be required to visit a variety of sites, including the sites of trials, conferences or meetings, which will be identified in the task authorizations. The contractor may be required to travel to Canadian and international destinations.

11. MEETINGS

Meetings will be held periodically during the performance of each task in order to verify the progress of the work comprising each task. There will be at least one meeting at the start and end of each task. During the performance of a task, meetings will be held on a monthly basis.

There is no requirement to separate meetings according to task, and every effort should be made to ensure that if two or more tasks are carried out simultaneously the meetings will be held at the same time. The agendas of these meetings shall clearly distinguish the items relating to each task. The Contractor will be responsible for drafting the minutes of these meetings. The meetings may be held in person, by teleconference or by videoconference. One face-to-face meeting will be held at the start of the first task and thereafter at least once a year.

12. GOVERNMENT SUPPLIED MATERIAL (GSM)

In the case of tasks 5.2A and B, the Contractor will be provided with the data required for processing, along with the calibration targets for the existing modules.

Hyperspectral, multispectral or panchromatic imaging data; ground-truth data; canvases for image calibration.

13. GOVERNMENT FURNISHED EQUIPMENT (GFE)

The Contractor will have access to certain DRDC Valcartier laboratories and to the equipment in those laboratories. However, the equipment will remain under the responsibility of DRDC.

ANNEX B

BASIS OF PAYMENT

(to be completed at Contract award)

Note:

- i. The difference between the lowest hourly rate and the highest hourly rate for the same main category and for the same period must be equal to or less than 30%.
- ii. The hourly rate for a resource for a subcategory or the hourly rate for a resource must not increase by more than 3% from one time period to the next.

1. **LABOUR:** Firm all-inclusive rates (including profit and overhead), Applicable Taxes extra, as follows:

Proposed Resources	Firm Hourly Rate				
	First year of the Contract	Second year of the Contract	Third year of the Contract	Fourth year of the Contract	Fifth year of the Contract
1- Specialist Category					
a- Specialist in radiative transfer in the Earth's atmosphere Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
b- Specialist in atmospheric correction of hyperspectral images Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
c- Specialist in image processing Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
d- Specialist in signal processing Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
e- Specialist in target and gas detection in hyperspectral imaging Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

Proposed Resources	Firm Hourly Rate				
	<i>First year of the Contract</i>	<i>Second year of the Contract</i>	<i>Third year of the Contract</i>	<i>Fourth year of the Contract</i>	<i>Fifth year of the Contract</i>
f- Specialist in optics Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
g-Specialist in optoelectronics Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
h- Specialist in radiometry Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
i- Specialist in spectrometry Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
2- Engineering Category					
a- Engineer in C++ or C# language programming Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
b- Engineer in graphical user interface development in Windows Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
c- Engineer in analog electronics Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
d- Engineer in digital electronics Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

Proposed Resources	Firm Hourly Rate				
	<i>First year of the Contract</i>	<i>Second year of the Contract</i>	<i>Third year of the Contract</i>	<i>Fourth year of the Contract</i>	<i>Fifth year of the Contract</i>
e- Engineer in algorithm development for image processing and signal processing Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
f- Engineer in algorithm implementation for signal processing and image processing Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
g- Engineer in optical design Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
h- Engineer in experimentation organization and design for remote sensing Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
3 - Technical Category					
a- Technician in electronics, optics or physics Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
b- Technician in mechanics, mechanical design or mechanical manufacturing Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
4- Project Manager					

Proposed Resources	Firm Hourly Rate				
	<i>First year of the Contract</i>	<i>Second year of the Contract</i>	<i>Third year of the Contract</i>	<i>Fourth year of the Contract</i>	<i>Fifth year of the Contract</i>
a- Project Manager					
Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

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

After a working period of 8 consecutive hours, the Contractor may claim 1.5 times the hourly rate indicated in the table above for the working time exceeding 8 hours. The Technical Authority must pre-authorize that this rate can be claimed.

2. **EQUIPMENT:** at laid down cost* without markup
3. **MATERIALS AND SUPPLIES:** at laid down cost* without markup
4. **TRAVEL AND LIVING EXPENSES:**

TRAVEL AND LIVING EXPENSES:

If two contracts are awarded:

Estimated total for Contract W7701-166147/001/QCL: 240,000.00\$ (applicable taxes not included)
Estimated total for Contract W7701-166147/002/QCL: 160,000.00\$ (applicable taxes not included)

If only one contract is awarded:

Estimated total for Contract W7701-166147/001/QCL: 400,000.00\$ (applicable taxes not included)

For the Work classified C1, the following clause applies: (to be completed by Canada according to the choice made by the bidder)

For the Work classified C2 and C3, the following clause applies: (to be completed by Canada according to the choice made by the bidder)

For the suppliers who chose option "a" and/or "d", DRDC-Valcartier:

- (a) Canada will not accept any travel and living expenses incurred by the Contractor in the performance of the Work, for:
 - (i) services provided within 50 km of DRDC – Valcartier, located at 2459 Route de la Bravoure, Québec City, Québec, and;
 - (ii) any travel between the Contractor's place of business and the Québec City Region (including Defence Research and Development Canada, Valcartier Research Centre facility).

- (b) For services to be provided outside a radius of 50 km of DRDC - Valcartier, 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, private vehicle and incidental expense 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".
- (c) Canada will not accept any travel and living expenses incurred by the Contractor as a consequence of any relocation of personnel required to satisfy the terms of this Contract.
- (d) All travel must have prior authorization of the Technical Authority. All payments are subject to government audit.

For the suppliers who chose option "b" and/or "e", DRDC-Ottawa:

- (a) Canada will not accept any travel and living expenses incurred by the Contractor in the performance of the Work, for:
 - (i) services provided within 50 km of DRDC-Ottawa facilities, located at 3701 Carling Avenue, Ottawa, Ontario, and
 - (ii) any travel between the Contractor's place of business and DRDC-Ottawa facilities.
- (b) For services to be provided outside a radius of 50 km of DRDC-Ottawa, 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, private vehicle and incidental expense 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".
- (c) Canada will not accept any travel and living expenses incurred by the Contractor as a consequence of any relocation of personnel required to satisfy the terms of this Contract.
- (d) All travel must have prior authorization of the Technical Authority. All payments are subject to government audit.

For the suppliers who chose option "c" and/or "f", Contractor's facilities:

- (a) Canada will not accept any travel and living expenses incurred by the Contractor in the performance of the Work for services rendered in the Contractor's facilities:
- (b) For services to be provided outside the Contractor's facilities, 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, private vehicle and incidental expense 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".
- (c) Canada will not accept any travel and living expenses incurred by the Contractor as a consequence of any relocation of personnel required to satisfy the terms of this Contract.
- (d) All travel must have prior authorization of the Technical Authority. All payments are subject to government audit.

Solicitation No – N° de l'invitation
W7701-166147/A
Client Ref No. – N° de réf. du client
W7701-166147

Amd. No. – N° de la modif.
File No. – N° du dossier
QCL-5-38299

Buyer ID – id de l'acheteur
qcl028

Estimated Cost to a Limitation of Expenditure for Contract W7701-166147/001:	If two (2) contracts are awarded: 2,432,000.00\$ (applicable taxes not included)
	If one (1) contract is awarded: 4,000,000.00\$ (applicable taxes not included)
Estimated Cost to a Limitation of Expenditure for Contract W7701-166147/002:	If two (2) contracts are awarded: 1,568,000.00\$ (applicable taxes not included)

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**)

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

ANNEX C

CONTRACTOR DISCLOSURE OF FOREGROUND INFORMATION

Please refer to **Article 1 - Interpretation of 2040 General Conditions** for the definition of Foreground Information to determine what information must be disclosed. <http://sacc.pwgsc.gc.ca/sacc/query-e.jsp>.

The Contractor must provide the following information:

1. Contract No.:
2. What is the descriptive title of the FIP (Foreground Intellectual Property)?
3. Abbreviated description of the FIP and, if applicable, of the different systems and sub-systems.
4. What is or was the objective of the project?
5. Explain how the FIP meets the objective of the project (for example: the advantage of the new solution, what problem did the FIP resolve or what benefits did the FIP deliver).
6. Under which category (ies) would you best describe the FIP and why: Patents, Inventions, Trade Secrets, Copyright, Industrial Designs, Rights in Integrated Circuit Topography, Know-how, Other?
7. Describe the features or aspects of the FIP that are novel, useful and not obvious.
8. Has the FIP been tested or demonstrated? If yes, please summarise the results.
9. Has any publication or disclosure to others been made? If so, to whom, when, where and how?
10. Provide names and addresses of the inventors.
11. Provide an explicit and detailed description of the FIP developed during the contract (Refer to pertinent section of the technical report, if necessary).

Please specify name and position of person approving / authorizing this disclosure. This person is to sign and date the disclosure.

Signature	Date
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Name	Title
------	-------

(Internal DRDC Valcartier)

Signature	Date
-----------	------

Name	Title (Technical authority)
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QCL-5-38299

Buyer ID – id de l’acheteur
qcl028

ANNEX D

SECURITY REQUIREMENTS CHECK LIST

The Security Requirements Check List (SRCL), which is enclosed, is to be inserted at this point and forms part of this document

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qcl028

ANNEX E

DND 626, TASK AUTHORIZATION FORM

The DND 626, *Task Authorization Form*, which is enclosed, is to be inserted at this point and forms part of this document

ATTACHMENT 1
EVALUATION OF PRICE

For evaluation purposes only, the Total Bid Price will be determined as follows:

1 – Approximate percentage use

The Bid Price will be evaluated on the basis of the following estimated level of effort:

1- Specialist Category	40%
2- Engineering Category	35%
3- Technical Category	15%
4- Project Manager Category	10%

2 - Cost of labour:

To establish labour costs, the effort available in terms of hours must be determined. The effort available for each resource category will be calculated as follows:

Effort available	=	[Total anticipated available funding] X [Approximate percentage use]
		[Average hourly rate for the resource category]

The cost of labour for a given category (for a given bid) is then obtained by multiplying the effort available by the hourly rate provided for the given category (for a given bid).

Lastly, the cost of labour is calculated by adding the labour costs per category for a given bid.

For example:

- Anticipated funding for the work = \$4 000 000.00
- Percentage of use for “PM” = 10%
- If the average hourly rate for bid A = \$90.00, that for bid B = \$70.00 and that for bid C = \$90.00, then the average hourly rate for the resource category = \$83.33.

Therefore,

- Effort available $\$4\,000\,000.00 \times 0.10 / \$83.33 = 4\,800$ hours

and

- Labour costs for PM, bid A
 $= 4\,800 \text{ hours} \times \$90 = \$432\,000.00$

3 - Sample calculations for the price of the three bids

Resource category	% of use	Rate A (\$)	Price for A (\$)	Rate B (\$)	Price for B (\$)	Rate C (\$)	Price for C (\$)	Qty
Specialist Category	40	100	1,811,320.75\$	75	1,358,490.57\$	90	1,630,188.68\$	18,113.21
Engineering Category	35	60	1,172,093.02\$	75	1,465,116.28\$	80	1,562,790.70\$	19,534.88
Technical Category	15	90	689,361.70\$	75	574,468.09\$	70	536,170.21\$	7,659.57
Project Manager Category	10	90	432,000.00\$	70	336,000.00\$	90	432,000.00\$	4,800.00
			4,104,775.48\$				3,734,074.93\$	4,161,149.59\$

The “percentages of use” listed in the table are provided solely for the purpose of determining the estimated price for each bid. They represent approximate needs, provided in good faith, and should not be considered as a contractual guarantee.

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

ATTACHMENT 2

MANDATORY AND POINT RATED TECHNICAL CRITERIA

For more information, see **1.2 Section I: Technical Bid** of Part 3 – Bid preparation instructions.

General

For each category of resource, the Bidder must indicate the name of the proposed resources and attach their resumés with all the proof required to assess their education and experience (in months).

If more than one resource is proposed within a category, each resource will be evaluated individually.

For the rated technical criteria, the overall scores for each resource in a given category will first be added up and then divided by the number of proposed resources to obtain an average. This average will be the score accorded the Bidder for that criterion.

The Bidder should provide proof of each work experience by listing the projects in which the proposed resource or Bidder acquired their experience.

For each project submitted, the Bidder should provide the following information at minimum:

- a) the title;
- b) the objectives;
- c) the scope of work;
- d) the project start and end time and date (dd/mm/yyyy);
- e) the exact date of the proposed resource's involvement and role in the project, if applicable;
- f) the tasks performed by the resource, if applicable; and
- g) any other relevant information.

A task authorization (TA) may be considered a project.

To be considered by the evaluation team, the degree must have been awarded by a recognized Canadian university or the equivalent if the degree was earned outside Canada.

1. Mandatory Technical Criteria

1.1 Number of Resources

For all the categories of resources, at least 10 different resources must be proposed by the Bidder. If the Bidder proposes 10 resources, these must be submitted within a single category. If the Bidder proposes more than 10 different resources, the same resource can be proposed in several categories of resources.

The Bidder must propose:

- A minimum of 4 resources in the category Specialists (1.2);
- A minimum of 4 resources in the category Engineering (1.3);
- A minimum of 1 resource in the category Technical (1.4);
- A minimum of 1 resource in the category Project Manager (1.5).

1.2 Category Specialists

A minimum of one (1) resource must be proposed for each of the following resource specialist categories.

- 1) Specialist in radiative transfer in the Earth's atmosphere;
- 2) Specialist in atmospheric correction of hyperspectral images;
- 3) Specialist in image processing;
- 4) Specialist in signal processing;
- 5) Specialist in target and gas detection in hyperspectral imaging;
- 6) Specialist in optics;
- 7) Specialist in optoelectronics;
- 8) Specialist in radiometry;
- 9) Specialist in spectrometry.

Remark: A specialist is defined as a resource capable of performing a study for the purpose of understanding the phenomenology or the behaviors of hardware or software systems. The tasks typically require the study of new issues. They can also require a different approach to the study of a known issue.

1.3 Category Engineering

A minimum of one (1) resource must be proposed for each of the following categories in Engineering.

- 1) Engineer in C++ or C# language programming;
- 2) Engineer in graphical user interface development in Windows;
- 3) Engineer in analog electronics;
- 4) Engineer in digital electronics;
- 5) Engineer in algorithm development for image processing and signal processing;
- 6) Engineer in algorithm implementation for signal processing and image processing;
- 7) Engineer in optical design;
- 8) Engineer in experimentation organization and design for remote sensing.

Comment: An engineer is defined as a resource capable of designing a hardware or software system. Engineering tasks do not typically require the study of new issues, but they may require the design or development of new systems.

1.4 Technical Resource Categories

A minimum of one (1) resource must be proposed for each of the following Technical categories:

- 1) Technician in electronics, optics or physics;
- 2) Technician in mechanics, mechanical design or mechanical manufacturing.

1.5 Project Manager Category

The project manager(s) must have at least 24 months' experience managing research & development projects. To be considered, the projects must relate to hyperspectral and/or multispectral and/or panchromatic imaging.

2. Technical Rated Criteria

Summary of the rated technical criteria	Minimum Score	Maximum Score
2.1 Bidder's experience	9	28
2.2 Technical Approach / Methodology and Resource Management	24	40
2.3 Experience and education of proposed specialist resources	32	72
2.4 Experience of education of proposed resources in Engineering	25	56
2.5 Evaluation of technical personnel	4	10
2.6 Project Manager	13	30
TOTAL	107	236

<i>Technical Rated Criteria</i>	<i>Rating Scale</i>	<i>Maximum Score</i>	<i>Minimum Score</i>
<p>2.1 BIDDER'S EXPERIENCE</p> <p>The Bidder should present projects he/she has carried out and completed within the 120 months preceding the closing date of the Request for Proposals, for each generic task of the Statement of Work.</p> <p>For a project to be considered, the Bidder must demonstrate that the project will last at least 40 days and clearly show that the project is related to the type of task it pertains to.</p> <p>To be considered, the project must have included work related to remote sensing and used spectral images.</p>			
2.1.1 Task A: Theoretical studies in airborne spectral imaging and in indented spectral imaging	<p>Number of projects</p> <p>1 -> 1 point</p> <p>2 -> 2 points</p> <p>3 -> 3 points</p>	3	0
2.1.2 Task B: Processing and analysis of indented and airborne spectral imaging data	<p>Number of projects</p> <p>1 -> 1 point</p> <p>2 -> 2 points</p> <p>3 -> 3 points</p>	3	0

2.1.3 Task C: Development, implementation and algorithm testing of data and spectral image processing	Number of projects 1 -> 1 point 2 -> 2 points 3 -> 3 points	3	0
2.1.4 Task D: Evaluation, validation and comparison of algorithms for spectral image processing	Number of projects 1 -> 1 point 2 -> 2 points 3 -> 3 points	3	0
2.1.5 Task E: Design and development of experiments in airborne and indented spectral imaging.	Number of projects 1 -> 1 point 2 -> 2 points 3 -> 3 points	3	0
2.1.6 Task F: Performance of experimental work in airborne and indented spectral imaging	Number of projects 1 -> 1 point 2 -> 2 points 3 -> 3 points	3	0
2.1.7 Task G: Processing and analysis of field data acquired during remote sensing experiments	Number of projects 1 -> 1 point 2 -> 2 points 3 -> 3 points	3	0
2.1.8 Task H: Development and maintenance of measuring systems for the acquisition of ground-truth data in remote sensing	Number of projects 1 -> 1 point 2 -> 2 points 3 -> 3 points	3	0
2.1.9 Task I: Development, implementation and integration of hardware and software components into sensor systems, and adaptation to airborne or indented imaging platforms	Number of projects 1 -> 1 point 2 -> 2 points 3 -> 3 points	3	0
2.1.10 Task J: Participate in international exchange programs	1 participation or conference in an international exchange program	1	0

Maximum and Minimum Totals for Section 2.1		28	9
2.2 Technical Approach/Methodology and Resource Management			
2.2.1 Strategy and Methodology Proposed For the firm part of the work, the Bidder should clearly present his/her proposed technical approach and methodology. The technical approach and methodology should be cohesive, relevant to the project’s execution, comprehensive and realistic.	See Chart 1 – generic evaluation	10	6
2.2.2 Distribution of Effort For the firm part of the work, the Bidder should propose a work schedule that outlines the distribution of effort for each resource proposed. The work schedule should conform to the project deadlines. The level of effort allocated to each subtask should be appropriate and realistic and allow for	See Chart 1 – generic evaluation	10	6

the achievement of the project objectives.			
2.2.3 Allocation of Resources to Each Task For the firm part and the task authorization part, the Bidder should allocate the various resources proposed for the diverse tasks and subtasks. The resources should be allocated to subtasks that correspond to their area of expertise.	See Chart 1 – generic evaluation	10	6
2.2.4 Task Authorization Management The Bidder should outline the manner in which he/she proposes to oversee the management of task authorizations, and present the tools/techniques to be used for this purpose. The Bidder should address the following matters in his/her proposal: a. Proposed method for monitoring each task authorization (follow-up of the work progress	See Chart 1 – generic evaluation	10	6

<p>according to proposed task authorization, budgetary follow-up);</p> <p>b. Approach to management given the unpredictable nature of a task authorization contract;</p> <p>c. System put in place to ensure access to resources (provide examples); if the use of business partners is provided for, agreements with these partners must be presented and signed by the partners in order to earn consideration.</p>			
Maximum and Minimum Totals for Section 2.2		40	24
2. 3 EXPERIENCE AND EDUCATION OF PROPOSED SPECIALIST RESOURCES			
2.3.1. Specialist in Radiative Transfer in the Earth’s Atmosphere			
2.3.1.1 Education in physics, engineering physics, mechanical engineering or electrical engineering with	<p>Resource scoring Bachelor -> 0 point; Master -> 2 points; Doctorate -> 4 points;</p>	4	0

specialties in one or more areas of physics or meteorology, including astronomy or radiation physics relating to radiative transfer.			
<p>2.3.1.2 Experience: The proposed resource has participated in radiative transfer projects in the Earth’s atmosphere within the 96 months preceding the closing date of the Request for Proposals. Projects carried out as part of an academic education are not eligible. To be eligible, the resource must have worked for at least 240 days on projects.</p> <p>*Radiative transfer is the theory that accounts for the propagation of light in mediums that transmit, diffuse or absorb it. The term also refers to the exchange of light radiation between surfaces or between a source and a surface.”</p>	<p>Resource scoring 1 or 2 projects -> 0 point; 3 to 5 projects -> 2 points; 6 projects and more -> 4 points</p>	4	0
2.3.2. Specialist in Atmospheric Correction of Hyperspectral Images			
2.3.2.1 Education in physics, engineering physics, mechanical engineering or electrical engineering with specialties in one or more areas of physics or meteorology, including	<p>Resource scoring Bachelor -> 0 point; Master -> 2 points; Doctorate-> 4 points;</p>	4	0

astronomy and radiation physics.			
<p>2.3.2.2 Experience: The proposed resource has participated in projects for developing or studying the atmospheric correction of hyperspectral images within the 96 months preceding the closing date of the Request for Proposals. Projects carried out as part of an academic education are not eligible. To be eligible, the resource must have worked for at least 240 days on projects.</p> <p>*The atmospheric correction of hyperspectral images makes it possible to obtain the fundamental parameters of the imaged materials (backgrounds or targets). The approach varies according to the spectral band under study. Within the visible, near-infrared and short-wave infrared spectrums, we will seek to obtain the reflectance of materials contained in each image pixel. In the</p>	<p>Resource scoring 1 or 2 projects -> 0 point; 3 to 5 projects -> 2 points; 6 projects and more -> 4 points;</p>	4	0

far infrared, we will measure the emissivity and temperature of the materials contained in the pixels.			
2.3.3. Specialist in Image Processing			
2.3.3.1 Education in electrical engineering, computer engineering, physics, engineering physics or computer science	Resource scoring Bachelor -> 0 point; Master -> 2 points; Doctorate -> 4 points;	4	0
2.3.3.2 Experience: The proposed resource has participated in image processing projects within the 96 months preceding the closing date of the Request for Proposals. Projects carried out as part of an academic education are not eligible. To be eligible, the resource must have worked for at least 240 days on projects. *Image processing is a vast area that uses mathematical operations for which the input is an image or a series of images or videos. The output can be an image, a series of images, or a set of characteristics related to the images."	Resource scoring 1 or 2 projects -> 0 point; 3 to 5 projects -> 2 points; 5 projects and more -> 4 points;	4	0
2.3.4. Signal Processing Specialist			

2.3.4.1 Education in electrical engineering, computer engineering, physics, engineering physics or computer science	Resource scoring Bachelor -> 0 point; Master -> 2 points; Doctorate -> 4 points;	4	0
2.3.4.2 Experience: The proposed resource has participated in signal processing projects within the 96 months preceding the closing date of the Request for Proposals. Projects carried out as part of an academic education are not eligible. To be eligible, the resource must have worked for at least 240 days on projects. *Signal processing is the set of techniques, theories, applications and algorithms used to extract from signals the information they contain in the form of physical parameters or models."	Resource scoring 1 or 2 projects -> 0 point; 3 to 5 projects -> 2 points; 6 projects and more -> 4 points;	4	0
2.3.5. Specialist in Target Detection in Hyperspectral Imaging			
2.3.5.1 Education in physics, engineering physics, electrical engineering or computer engineering	Resource scoring Bachelor -> 0 point; Master -> 2 points; Doctorate -> 4 points;	4	0
2.3.5.2 Experience: The proposed resource has participated in hyperspectral imaging for target detection within the 96 months preceding the closing date of the Request for	Resource scoring 1 or 2 projects -> 0 point; 3 to 5 projects -> 2 points; 6 projects and more -> 4 points;	4	0

Proposals. Projects carried out as part of an academic education are not eligible. To be eligible, the resource must have worked for at least 240 days on projects. * Hyperspectral imaging for target detection is a special signal processing and image processing field that uses specific techniques to define backgrounds and targets, observes their differences and uses these differences to highlight the targets contained in the images.			
2.3.6. Optics Specialist			
2.3.6.1 Education in physics or engineering physics	Resource scoring Bachelor -> 0 point; Master -> 2 points; Doctorate -> 4 points;	4	0
2.3.6.2 Experience: The proposed resource has participated in optics projects within the 96 months preceding the closing date of the Request for Proposals. Projects carried out as part of an academic education are not eligible. To be eligible, the resource must have worked for at least 240 days on projects. *Optics is the branch of physics that seeks to understand the behaviours and	Resource scoring 1 or 2 projects -> 0 point; 3 to 5 projects -> 2 points; 6 projects and more -> 4 points;	4	0

properties of light, including its interactions with matter and the manufacture of instruments to detect it.”			
2.3.7. Optoelectronics Specialist			
2.3.7.1 Education in physics, engineering physics or electrical engineering	Resource scoring Bachelor -> 0 point; Master -> 2 points; Doctorate -> 4 points;	4	0
2.3.7.2 Experience: The proposed resource has participated in optoelectronics projects within the 96 months preceding the closing date of the Request for Proposals. Projects carried out as part of an academic education are not eligible. To be eligible, the resource must have worked for at least 240 days on projects. *Optoelectronics is the study and application of electronics for the purpose of manufacturing sources, detectors and light control devices.	Resource scoring 1 or 2 projects -> 0 point; 3 to 5 projects -> 2 points; 6 projects and more -> 4 points;	4	0
2.3.8. Radiometry Specialist			
2.3.8.1 Education in physics or engineering physics	Resource scoring Bachelor -> 0 point; Master -> 2 points; Doctorate -> 4 points;	4	0

<p>2.3.8.2 Experience: The proposed resource has participated in radiometry projects within the 96 months preceding the closing date of the Request for Proposals. Projects carried out as part of an academic education are not eligible. To be eligible, the resource must have worked for at least 240 days on projects.</p> <p>*Radiometry is the set of techniques used to measure electromagnetic radiation and its interaction with matter. It is a particular branch of optics that uses geometrical concepts and disregards the wave nature of light."</p>	<p>Resource scoring 1 or 2 projects -> 0 point; 3 to 5 projects -> 2 points; 6 projects and more -> 4 points;</p>	4	0
2.3.9. Spectroscopy Specialist			
<p>2.3.9.1 Education in physics, engineering physics , electrical engineering or chemistry</p>	<p>Resource scoring Bachelor -> 0 point; Master -> 2 points; Doctorate -> 4 points;</p>	4	0
<p>2.3.9.2 Experience: The proposed resource has participated in spectroscopy projects within the 96 months preceding the closing date of the Request for Proposals. Projects carried out as part of an academic education are not eligible. To be eligible, the resource must have worked for at</p>	<p>Resource scoring 1 or 2 projects -> 0 point; 3 to 5 projects -> 2 points; 6 projects and more -> 4 points;</p>	4	0

least 240 days on projects. *Spectroscopy is the study of interactions and electromagnetic radiation from the dispersal or spectral absorption effects of light by matter. The light spectrum being the distribution of the energy or the power of light based on wavelength.			
Maximum and Minimum Totals for Section 2.3		72	32
2.4: EXPERIENCE AND EDUCATION OF PROPOSED RESOURCES IN ENGINEERING			
2.4.1 Analyst and C++ or C# Programmer in			
2.4.1.1 Education in electrical engineering, computer science, engineering physics or computer science	Resource scoring Bachelor -> 1 point; Master -> 3 points; Doctorate -> 4 points;	4	0
2.4.1.2 Experience: The proposed resource has participated in projects as an analyst and C++ or C# programmer in computer software development projects in a research and development environment within the	Resource scoring 1 or 2 projects -> 0 point; 3 to 5 projects -> 2 points; 6 projects and more -> 4 points;	4	0

96 months preceding the closing date of the Request for Proposals. Projects carried out as part of an academic education are not eligible. To be eligible, the resource must have worked for at least 240 days on projects.			
2.4.2 Development of Graphical User Interface in Windows			
2.4.2.1 Education in electrical engineering, computer science, engineering physics or computer science	Resource scoring Bachelor -> 1 point; Master -> 3 points; Doctorate -> 4 points;	4	0
2.4.2.2 Experience: The proposed resource has developed graphical user interfaces in Windows in a research and development environment within the 96 months preceding the closing date of the Request for Proposals. Projects carried out as part of an academic education are not eligible. To be eligible, the resource must have worked for at least 240 days on projects.	Resource scoring 1 or 2 projects -> 0 point; 3 to 5 projects -> 2 points; 6 projects and more -> 4 points;	4	0
2.4.3 Engineer in Analog Electronic Development			
2.4.3.1 Education in electrical engineering, computer engineering or engineering physics	Resource scoring Bachelor -> 1 point; Master -> 3 points; Doctorate -> 4 points;	4	0

<p>2.4.3.2 Experience: The proposed resource has designed, developed and arranged for the manufacture of analog electronic circuits as part of a scientific equipment development project within the 96 months preceding the closing date of the Request for Proposals. Projects carried out as part of an academic education are not eligible. To be eligible, the resource must have worked for at least 240 days on projects.</p>	<p>Resource scoring 1 or 2 projects -> 0 point; 3 to 5 projects -> 2 points; 6 projects and more -> 4 points;</p>	4	0
2.4.4 Digital Electronic Development Engineer			
<p>2.4.4.1 Education in electrical engineering, computer engineering or engineering physics</p>	<p>Resource scoring Bachelor -> 1 point; Master -> 3 points; Doctorate -> 4 points;</p>	4	0
<p>2.4.4.2 Experience: The proposed resource designed, developed provided for and programmed embedded circuits in a research and development environment within the 96 months preceding the closing date of the Request for Proposals. Projects carried out as part of an academic education are not eligible. To be eligible, the resource must have worked for at least 240 days on projects.</p>	<p>Resource scoring 1 or 2 projects -> 0 point; 3 to 5 projects -> 2 points; 6 projects and more -> 4 points;</p>	4	0

2.4.5 Engineer in Development and Implementation of Signal Processing and Image Processing Algorithms			
2.4.5.1 Education in engineering physics , physics, electrical engineering or computer engineering	Resource scoring Bachelor -> 1 point; Master -> 3 points; Doctorate -> 4 points;	4	0
2.4.5.2 Experience: The proposed resource has developed, implemented and integrated signal processing or image processing algorithms into sensor and computer systems to provide for the real time processing of data from sensors, cameras and hyperspectral sensors in a research and development environment within the 96 months preceding the closing date of the Request for Proposals. Projects carried out as part of an academic education are not eligible. To be eligible, the resource must have worked for at least 240 days on projects.	Resource scoring 1 or 2 projects -> 0 point; 3 to 5 projects -> 2 points; 6 projects and more -> 4 points;	4	0
2.4.6 Optics Designer			
2.4.6.1 Education in engineering physics or physics	Resource scoring Bachelor -> 1 point; Master -> 3 points; Doctorate -> 4 points;	4	0

<p>2.4.6.2 Experience: The proposed resource has developed and provided for the fabrication of optical systems such as refracting telescope, telescopes, collimators or spectrometers within the 96 months preceding the closing date of the Request for Proposals. Projects carried out as part of an academic education are not eligible. To be eligible, the resource must have worked for at least 240 days on projects.</p>	<p>Resource scoring 1 or 2 projects -> 0 point; 3 to 5 projects -> 2 points; 6 projects and more -> 4 points;</p>	<p>4</p>	<p>0</p>
<p>2.4.7 Designer and Experimentation Organizer in Remote Sensing</p>			
<p>2.4.7.1 Education in applied sciences, natural science or physical geography</p>	<p>Resource scoring Bachelor -> 1 point; Master -> 3 points; Doctorate -> 4 points;</p>	<p>4</p>	<p>0</p>
<p>2.4.7.2 Experience: The proposed resource has designed and carried out experiments in remote sensing within the 96 months preceding the closing date of the Request for Proposals. Projects carried out as part of an academic education are not eligible. To be eligible, the resource must have worked for at least 240 days on projects.</p>	<p>Resource scoring 1 or 2 projects -> 0 point; 3 to 5 projects -> 2 points; 6 projects and more -> 4 points;</p>	<p>4</p>	<p>0</p>

Maximum and Minimum Totals for Section 2.4		56	25
2.5: Evaluation of Technical Personnel			
2.5.1 Mechanical Design Technician			
2.5.1. Training in mechanical engineering techniques, mechanical design or equivalent	1 resource -> 1 point 2 resources -> 2 points	2	0
2.5.2.1 Experience: a) The resource has designed and drafted the plans for the manufacture of support and control systems (pointing) for targets or optical sensors ranging from a few kilograms to over 1,000kg; b) The resource has designed or drafted the plans for the manufacture of electronic systems (complex, multifunctional housings) that are watertight and resistant to harsh outdoor or industrial environments; c) The resource has produced the documents and specifications for the manufacture and assembly processes of complex electro-mechanical and electro-optical devices (minimum of 10 housings).	Resource scoring Criteria met a : 1 point; b : 1 point; c : 1 point;	3	0
2.5.2 Photonics Technician			

2.5.9.1 College training in optics, electronics, physics or equivalent	1 resource -> 1 point 2 resources -> 2 points	2	0
2.5.9.2 Experience: a) The resource has worked in laboratories and in the field taking measurements with dispersive spectrometers (arrays or prism) and Fourier transform spectrometer in the wavelength ranges between the far infrared and the visible band; b) The resource has operated hyperspectral sensors in the LWIR range in laboratories and in the field; c) The resource has organized tests or experiments in collaboration with the Canadian Forces.	Resource scoring Criteria met a : 1 point; b : 1 point; c : 1 point;	3	0
Maximum and Minimum Totals for Section 2.5		10	4
2.6 Project Manager			
2.6.1 Training of management personnel in the natural sciences, applied sciences or business administration (MBA)	Resource scoring Bachelor -> 0 point; Master -> 5 points; Doctorate -> 10 points;	10	0
2.6.2 Experience of Management Personnel: The proposed resource has managed projects in a research and development or scientific context within the 96 months preceding the closing date of the	Resource scoring 1 or 5 projects -> 0 point; 6 to 10 projects -> 10 points; 11 projects or more -> 20 points;	20	5

Request for Proposals. Projects carried out as part of an academic education are not eligible. To be eligible, a project must have a minimum duration of one year. The resource must have worked on a project for at least 40 hours within one year in order for that project to be considered.			
Maximum and Minimum Totals for Section 2.6		30	13

Chart: Generic Scorecard

Non-responsive	Extremely Low	Very Low	Low	Acceptable	Average	Above Average	Outstanding
0 point	1-2 points	3-4 points	5 points	6 points	7-8 points	9 points	10 points
Did not provide information that enables an evaluation.	Displays weaknesses that cannot be corrected.	Generally displays weaknesses that are unlikely to be corrected.	Displays weaknesses that can be corrected.	Displays weaknesses that are easy to correct.	No major weakness	No apparent weaknesses	No weaknesses

Solicitation No – N° de l'invitation
W7701-166147/A
Client Ref No. – N° de réf. du client
W7701-166147

Amd. No. – N° de la modif.
File No. – N° du dossier
QCL-5-38299

Buyer ID – id de l'acheteur
qcl028

	Unacceptable	Extremely low; will not be able to meet performance requirements.	Poor ability to meet performance requirements	Minimum acceptable ability; should meet minimum performance requirements.	Average ability; should obtain good results.	Superior ability; should obtain good results.	Outstanding ability; should obtain extremely good results.
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ATTACHMENT 3

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 employees (combined work force includes: permanent full-time, permanent part-time and temporary employees [temporary employees only includes those who have worked 12 weeks or more during a calendar year and who are not full-time students]).

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)

ATTACHMENT 4

FINANCIAL BID PRESENTATION SHEET

NOTE: Bidders must submit their financial bid in accordance with section 1.3 “Section II: Financial Bid” of the Part 3 – Bid preparation instructions.

Example to calculate the difference between the rates of Category Specialist (main category):

Mr. X rate proposed as a Specialist in radiative transfer in the Earth’s atmosphere: 65\$/hour (lowest rate for this category)

Mr. Y rate proposed as a Specialist in atmospheric correction of hyperspectral images: 70\$/hour (highest rate for this category)

$(70\$ - 65\$) / 65\$ = \text{Difference of } 7.69\%$

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

- LABOUR:** Firm all-inclusive rates (including profit and overhead), Applicable Taxes extra, as follows:

Proposed Resources	Firm Hourly Rate				
	First year of the Contract	Second year of the Contract	Third year of the Contract	Fourth year of the Contract	Fifth year of the Contract
1- Specialist Category					
a- Specialist in radiative transfer in the Earth’s atmosphere Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
b- Specialist in atmospheric correction of hyperspectral images Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
c- Specialist in image processing Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

Proposed Resources	Firm Hourly Rate				
	First year of the Contract	Second year of the Contract	Third year of the Contract	Fourth year of the Contract	Fifth year of the Contract
d- Specialist in signal processing Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
e- Specialist in target and gas detection in hyperspectral imaging Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
f- Specialist in optics Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
g-Specialist in optoelectronics Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
h- Specialist in radiometry Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
i- Specialist in spectrometry Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
2- Engineering Category					
a- Engineer in C++ or C# language programming Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
b- Engineer in graphical user interface development in Windows Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

Proposed Resources	Firm Hourly Rate				
	<i>First year of the Contract</i>	<i>Second year of the Contract</i>	<i>Third year of the Contract</i>	<i>Fourth year of the Contract</i>	<i>Fifth year of the Contract</i>
c- Engineer in analog electronics Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
d- Engineer in digital electronics Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
e- Engineer in algorithm development for image processing and signal processing Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
f- Engineer in algorithm implementation for signal processing and image processing Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
g- Engineer in optical design Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
h- Engineer in experimentation organization and design for remote sensing Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
3 - Technical Category					
a- Technician in electronics, optics or physics Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

Proposed Resources	Firm Hourly Rate				
	<i>First year of the Contract</i>	<i>Second year of the Contract</i>	<i>Third year of the Contract</i>	<i>Fourth year of the Contract</i>	<i>Fifth year of the Contract</i>
b- Technician in mechanics, mechanical design or mechanical manufacturing Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
4- Project Manager					
a- Project Manager Name: _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

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

After a working period of 8 consecutive hours, the Contractor may claim 1.5 times the hourly rate indicated in the table above for the working time exceeding 8 hours. The Technical Authority must pre-authorize that this rate can be claimed.

2. **EQUIPMENT:** at laid down cost* without markup
3. **MATERIALS AND SUPPLIES:** at laid down cost* without markup
4. **TRAVEL AND LIVING EXPENSES:**

TRAVEL AND LIVING EXPENSES:

If two contracts are awarded:

Estimated total for Contract W7701-166147/001/QCL: 240,000.00\$ (applicable taxes not included)
Estimated total for Contract W7701-166147/002/QCL: 160,000.00\$ (applicable taxes not included)

If only one contract is awarded:

Estimated total for Contract W7701-166147/001/QCL: 400,000.00\$ (applicable taxes not included)

For the Work classified C1, the following clause applies: (to be completed by Canada according to the choice made by the bidder)

For the Work classified C2 and C3, the following clause applies: (to be completed by Canada according to the choice made by the bidder)

For the suppliers who chose option “a” and/or “d”, DRDC-Valcartier:

- (a) Canada will not accept any travel and living expenses incurred by the Contractor in the performance of the Work, for:
 - (i) services provided within 50 km of DRDC – Valcartier, located at 2459 Route de la Bravoure, Québec City, Québec, and;
 - (ii) any travel between the Contractor's place of business and the Québec City Region (including Defence Research and Development Canada, Valcartier Research Centre facility).
- (b) For services to be provided outside a radius of 50 km of DRDC - Valcartier, 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, private vehicle and incidental expense 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".
- (c) Canada will not accept any travel and living expenses incurred by the Contractor as a consequence of any relocation of personnel required to satisfy the terms of this Contract.
- (d) All travel must have prior authorization of the Technical Authority. All payments are subject to government audit.

For the suppliers who chose option “b” and/or “e”, DRDC-Ottawa:

- (a) Canada will not accept any travel and living expenses incurred by the Contractor in the performance of the Work, for:
 - (i) services provided within 50 km of DRDC-Ottawa facilities, located at 3701 Carling Avenue, Ottawa, Ontario, and
 - (ii) any travel between the Contractor's place of business and DRDC-Ottawa facilities.
- (b) For services to be provided outside a radius of 50 km of DRDC-Ottawa, 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, private vehicle and incidental expense 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".
- (c) Canada will not accept any travel and living expenses incurred by the Contractor as a consequence of any relocation of personnel required to satisfy the terms of this Contract.
- (d) All travel must have prior authorization of the Technical Authority. All payments are subject to government audit.

For the suppliers who chose option “c” and/or “f”, Contractor's facilities:

- (a) Canada will not accept any travel and living expenses incurred by the Contractor in the performance of the Work for services rendered in the Contractor's facilities:

- (b) For services to be provided outside the Contractor's facilities, 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, private vehicle and incidental expense 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".
- (c) Canada will not accept any travel and living expenses incurred by the Contractor as a consequence of any relocation of personnel required to satisfy the terms of this Contract.
- (d) All travel must have prior authorization of the Technical Authority. All payments are subject to government audit.

Estimated Cost to a Limitation of Expenditure for Contract W7701-166147/001:	If two (2) contracts are awarded: 2,432,000.00\$ (applicable taxes not included)
	If one (1) contract is awarded: 4,000,000.00\$ (applicable taxes not included)
Estimated Cost to a Limitation of Expenditure for Contract W7701-166147/002:	If two (2) contracts are awarded: 1,568,000.00\$ (applicable taxes not included)

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)**

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



Government
of Canada

Gouvernement
du Canada

RECEIVED

JUN 22 2016

Contract Number / Numéro du contrat

W7701-166147- Amendment 1

Security Classification / Classification de sécurité
Unclassified

SECURITY REQUIREMENTS CHECK LIST (SRCL)

LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS)

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE		
1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine	2. Branch or Directorate / Direction générale ou Direction SMA S&T - DRDC Valcartier Research centre	
3. a) Subcontract Number / Numéro du contrat de sous-traitance	3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant	
4. Brief Description of Work / Brève description du travail Travaux scientifiques et d'ingénierie pour le développement de plateformes d'imagerie hyperspectrale - Embedded Contractor.		
5. a) Will the supplier require access to Controlled Goods? Le fournisseur aura-t-il accès à des marchandises contrôlées?	<input type="checkbox"/> No / Non <input checked="" type="checkbox"/> Yes / Oui	
5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques?	<input type="checkbox"/> No / Non <input checked="" type="checkbox"/> Yes / Oui	
6. Indicate the type of access required / Indiquer le type d'accès requis		
6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? (Specify the level of access using the chart in Question 7. c.) (Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c.)	<input type="checkbox"/> No / Non <input checked="" type="checkbox"/> Yes / Oui	
6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé.	<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui	
6. c) Is this a commercial courier or delivery requirement with no overnight storage? S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit?	<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui	
7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès		
Canada <input checked="" type="checkbox"/>	NATO / OTAN <input checked="" type="checkbox"/>	Foreign / Étranger <input type="checkbox"/>
7. b) Release restrictions / Restrictions relatives à la diffusion		
No release restrictions Aucune restriction relative à la diffusion	All NATO countries Tous les pays de l'OTAN	No release restrictions Aucune restriction relative à la diffusion
Not releasable À ne pas diffuser		
Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays:	Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays:	Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays:
7. c) Level of information / Niveau d'information		
PROTECTED A PROTÉGÉ A	NATO UNCLASSIFIED NATO NON CLASSIFIÉ	PROTECTED A PROTÉGÉ A
PROTECTED B PROTÉGÉ B	NATO RESTRICTED NATO DIFFUSION RESTREINTE	PROTECTED B PROTÉGÉ B
PROTECTED C PROTÉGÉ C	NATO CONFIDENTIAL NATO CONFIDENTIEL	PROTECTED C PROTÉGÉ C
CONFIDENTIAL CONFIDENTIEL	NATO SECRET NATO SECRET	CONFIDENTIAL CONFIDENTIEL
SECRET SECRET	COSMIC TOP SECRET COSMIC TRÈS SECRET	SECRET SECRET
TOP SECRET TRÈS SECRET		TOP SECRET TRÈS SECRET
TOP SECRET (SIGINT) TRÈS SECRET (SIGINT)		TOP SECRET (SIGINT) TRÈS SECRET (SIGINT)



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Unclassified

PART A (continued) / PARTIE A (suite)

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS? ☒ No / Non ☐ Yes / Oui

If Yes, indicate the level of sensitivity:

Dans l'affirmative, indiquer le niveau de sensibilité :

9. Will the supplier require access to extremely sensitive INFOSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate? ☒ No / Non ☐ Yes / Oui

Short Title(s) of material / Titre(s) abrégé(s) du matériel :

Document Number / Numéro du document :

PART B - PERSONNEL (SUPPLIER) / PARTIE B - PERSONNEL (FOURNISSEUR)

10. a) Personnel security screening level required / Niveau de contrôle de la sécurité du personnel requis

- | | | | |
|---|---|--|--|
| <input checked="" type="checkbox"/> RELIABILITY STATUS
COTE DE FIABILITÉ | <input type="checkbox"/> CONFIDENTIAL
CONFIDENTIEL | <input checked="" type="checkbox"/> SECRET
SECRET | <input type="checkbox"/> TOP SECRET
TRÈS SECRET |
| <input type="checkbox"/> TOP SECRET - SIGINT
TRÈS SECRET - SIGINT | <input type="checkbox"/> NATO CONFIDENTIAL
NATO CONFIDENTIEL | <input checked="" type="checkbox"/> NATO SECRET
NATO SECRET | <input type="checkbox"/> COSMIC TOP SECRET
COSMIC TRÈS SECRET |
| <input type="checkbox"/> SITE ACCESS
ACCÈS AUX EMPLACEMENTS | | | |

Special comments:

Commentaires spéciaux : Site access = Reliability status. Major part of the work will be performed at the unclassified level, however access to ITAR and CG material and to material up to Secret level and Nato Secret level can be required. Unscreened personnel may only access public reception zone.

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.

REMARQUE : Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10. b) May unscreened personnel be used for portions of the work?
Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail? ☐ No / Non ☒ Yes / Oui
If Yes, will unscreened personnel be escorted? *Unscreened pers may only access public/reception zone* ☒ No / Non ☐ Yes / Oui
Dans l'affirmative, le personnel en question sera-t-il escorté?

PART C - SAFEGUARDS (SUPPLIER) / PARTIE C - MESURES DE PROTECTION (FOURNISSEUR)

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

11. a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information or assets on its site or premises?
Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS? ☒ No / Non ☐ Yes / Oui

11. b) Will the supplier be required to safeguard COMSEC information or assets?
Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC? ☒ No / Non ☐ Yes / Oui

PRODUCTION

11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises?
Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ? ☒ No / Non ☐ Yes / Oui

INFORMATION TECHNOLOGY (IT) MEDIA / SUPPORT RELATIF À LA TECHNOLOGIE DE L'INFORMATION (TI)

11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data?
Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS? ☒ No / Non ☐ Yes / Oui

11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency?
Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale? ☒ No / Non ☐ Yes / Oui



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Unclassified

PART C - (continued) / PARTIE C - (suite)

For users completing the form manually use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.

Les utilisateurs qui remplissent le formulaire manuellement doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

For users completing the form online (via the Internet), the summary chart is automatically populated by your responses to previous questions.

Dans le cas des utilisateurs qui remplissent le formulaire en ligne (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

SUMMARY CHART / TABLEAU RÉCAPITULATIF

Category Catégorie	PROTECTED PROTÉGÉ			CLASSIFIED CLASSIFIÉ			NATO				COMSEC					
	A	B	C	CONFIDENTIAL CONFIDENTIEL	SECRET	TOP SECRET TRÈS SECRET	NATO RESTRICTED NATO DIFFUSION RESTREINTE	NATO CONFIDENTIAL NATO CONFIDENTIEL	NATO SECRET	COSMIC TOP SECRET COSMIC TRÈS SECRET	PROTECTED PROTÉGÉ			CONFIDENTIAL	SECRET	TOP SECRET TRÈS SECRET
											A	B	C			
Information / Assets Renseignements / Biens Production	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IT Media / Support TI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IT Link / Lien électronique	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?
La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE?

☒ No
Non

☐ Yes
Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée
« Classification de sécurité » au haut et au bas du formulaire.

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?
La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE?

☒ No
Non

☐ Yes
Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée
« Classification de sécurité » au haut et au bas du formulaire et indiquez qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).



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SECURITY REQUIREMENTS CHECK LIST (SRCL)
LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS)

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE		
1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine	2. Branch or Directorate / Direction générale ou Direction SMA S&T - DRDC Valcartier Research centre	
3. a) Subcontract Number / Numéro du contrat de sous-traitance	3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant	
4. Brief Description of Work / Brève description du travail Travaux scientifiques et d'ingénierie pour le développement de plateformes d'imagerie hyperspectrale - NOT Embedded Contractor - Work off site		
5. a) Will the supplier require access to Controlled Goods? Le fournisseur aura-t-il accès à des marchandises contrôlées?	<input type="checkbox"/> No / Non <input checked="" type="checkbox"/> Yes / Oui	
5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques?	<input type="checkbox"/> No / Non <input checked="" type="checkbox"/> Yes / Oui	
6. Indicate the type of access required / Indiquer le type d'accès requis		
6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? (Specify the level of access using the chart in Question 7. c) (Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c)	<input type="checkbox"/> No / Non <input checked="" type="checkbox"/> Yes / Oui	
6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé.	<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui	
6. c) Is this a commercial courier or delivery requirement with no overnight storage? S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit?	<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui	
7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès		
Canada <input checked="" type="checkbox"/>	NATO / OTAN <input checked="" type="checkbox"/>	Foreign / Étranger <input type="checkbox"/>
7. b) Release restrictions / Restrictions relatives à la diffusion		
No release restrictions Aucune restriction relative à la diffusion	All NATO countries Tous les pays de l'OTAN	No release restrictions Aucune restriction relative à la diffusion
Not releasable À ne pas diffuser		
Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays:	Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays:	Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays:
7. c) Level of information / Niveau d'information		
PROTECTED A PROTÉGÉ A	NATO UNCLASSIFIED NATO NON CLASSIFIÉ	PROTECTED A PROTÉGÉ A
PROTECTED B PROTÉGÉ B	NATO RESTRICTED NATO DIFFUSION RESTREINTE	PROTECTED B PROTÉGÉ B
PROTECTED C PROTÉGÉ C	NATO CONFIDENTIAL NATO CONFIDENTIEL	PROTECTED C PROTÉGÉ C
CONFIDENTIAL CONFIDENTIEL	NATO SECRET NATO SECRET	CONFIDENTIAL CONFIDENTIEL
SECRET SECRET	COSMIC TOP SECRET COSMIC TRÈS SECRET	SECRET SECRET
TOP SECRET TRÈS SECRET		TOP SECRET TRÈS SECRET
TOP SECRET (SIGINT) TRÈS SECRET (SIGINT)		TOP SECRET (SIGINT) TRÈS SECRET (SIGINT)

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Security Classification / Classification de sécurité
Unclassified

PART A (continued) / PARTIE A (suite)

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS? ☒ No ☐ Yes
Non Oui

If Yes, indicate the level of sensitivity:

Dans l'affirmative, indiquer le niveau de sensibilité :

9. Will the supplier require access to extremely sensitive INFOSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate? ☒ No ☐ Yes
Non Oui

Short Title(s) of material / Titre(s) abrégé(s) du matériel :

Document Number / Numéro du document :

PART B - PERSONNEL (SUPPLIER) / PARTIE B - PERSONNEL (FOURNISSEUR)

10. a) Personnel security screening level required / Niveau de contrôle de la sécurité du personnel requis

- | | | | |
|---|---|--|--|
| <input checked="" type="checkbox"/> RELIABILITY STATUS
COTE DE FIABILITÉ | <input type="checkbox"/> CONFIDENTIAL
CONFIDENTIEL | <input checked="" type="checkbox"/> SECRET
SECRET | <input type="checkbox"/> TOP SECRET
TRÈS SECRET |
| <input type="checkbox"/> TOP SECRET - SIGINT
TRÈS SECRET - SIGINT | <input type="checkbox"/> NATO CONFIDENTIAL
NATO CONFIDENTIEL | <input checked="" type="checkbox"/> NATO SECRET
NATO SECRET | <input type="checkbox"/> COSMIC TOP SECRET
COSMIC TRÈS SECRET |
| <input type="checkbox"/> SITE ACCESS
ACCÈS AUX EMPLACEMENTS | | | |

Special comments:

Commentaires spéciaux : Major part of the work will be performed at the unclass level however access to ITAR and CG material and to material up to Secret level and Nato Secret level can be required

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.

REMARQUE : Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10. b) May unscreened personnel be used for portions of the work?
Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail? ☐ No ☒ Yes
Non Oui
- If Yes, will unscreened personnel be escorted? *Unscreened pers. may only access public/reception zone*
Dans l'affirmative, le personnel en question sera-t-il escorté? ☒ No ☐ Yes
Non Oui

PART C - SAFEGUARDS (SUPPLIER) / PARTIE C - MESURES DE PROTECTION (FOURNISSEUR)

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

11. a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information or assets on its site or premises?
Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS? ☐ No ☒ Yes
Non Oui
11. b) Will the supplier be required to safeguard COMSEC information or assets?
Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC? ☒ No ☐ Yes
Non Oui

PRODUCTION

11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises?
Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ? ☒ No ☐ Yes
Non Oui

INFORMATION TECHNOLOGY (IT) MEDIA / SUPPORT RELATIF À LA TECHNOLOGIE DE L'INFORMATION (TI)

11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data?
Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS? ☐ No ☒ Yes
Non Oui
11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency?
Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale? ☒ No ☐ Yes
Non Oui



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Unclassified

PART C - (continued) / PARTIE C - (suite)

For users completing the form **manually** use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.

Les utilisateurs qui remplissent le formulaire **manuellement** doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

For users completing the form **online** (via the Internet), the summary chart is automatically populated by your responses to previous questions.

Dans le cas des utilisateurs qui remplissent le formulaire **en ligne** (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

SUMMARY CHART / TABLEAU RÉCAPITULATIF

Category Catégorie	PROTECTED PROTÉGÉ			CLASSIFIED CLASSIFIÉ			NATO				COMSEC					
	A	B	C	CONFIDENTIAL CONFIDENTIEL	SECRET	TOP SECRET TRÈS SECRET	NATO RESTRICTED NATO DIFFUSION RESTREINTE	NATO CONFIDENTIAL NATO CONFIDENTIEL	NATO SECRET	COSMIC TOP SECRET COSMIC TRÈS SECRET	PROTECTED PROTÉGÉ			CONFIDENTIAL	SECRET	TOP SECRET TRÈS SECRET
											A	B	C			
Information / Assets Renseignements / Biens Production	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IT Media / Support TI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IT Link / Lien électronique	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?
La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE?

☒ No
Non

☐ Yes
Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée
« Classification de sécurité » au haut et au bas du formulaire.

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?
La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE?

☒ No
Non

☐ Yes
Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée
« Classification de sécurité » au haut et au bas du formulaire et indiquez qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).

LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS) GUIDE DE SÉCURITÉ SUPPLÉMENTAIRE

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Partie A - Restrictions Multiples Relative à la Diffusion: Guide de Sécurité							
A être remplis en supplément de la question 7.b) lorsque des restrictions relative à la diffusion sont identifiées. Veuillez indiquer à quel niveau d'information est-ce-que les restrictions relative à la diffusion s'appliquent. Veuillez noter dans le tableau si un niveau d'information comprend des restrictions multiples (i.e. Une portion de l'information SECRET porte le caveat Pour Les Yeux Canadiens Seulement et le reste de l'information SECRET n'a aucune restrictions relative à la diffusion.)							
Information Canadienne							
Restriction sur la Citoyenneté	PROTÉGÉ			CLASSIFIÉ			
	A	B	C	CONFIDENTIEL	SECRET	TRÈS SECRET	TRÈS SECRET (SIGINT)
Aucune restriction relative à la diffusion	X	X		X	X		
À ne pas diffuser							
Limité à:							
Incluant Résident Permanent*							
Information OTAN							
Restriction sur la Citoyenneté	NATO NON CLASSIFIÉ		NATO DIFFUSION RESTREINTE	NATO CONFIDENTIEL	NATO SECRET	COSMIC TRÈS SECRET	
Tous les pays de l'OTAN							
Limité à:							
Incluant Résident Permanent *							
Information Étrangère							
Restriction sur la Citoyenneté	PROTÉGÉ			CLASSIFIÉ			
	A	B	C	CONFIDENTIEL	SECRET	TRÈS SECRET	TRÈS SECRET (SIGINT)
Aucune restriction relative à la diffusion							
Limité à:							
Incluant Résident Permanent *							
Information COMSEC							
Restriction sur la Citoyenneté	PROTÉGÉ			CLASSIFIÉ			
	A	B	C	CONFIDENTIEL	SECRET	TRÈS SECRET	TRÈS SECRET (SIGINT)
À ne pas diffuser							
Limité à:							
DND SEULEMENT Contracteur Incorporé (Accès aux Marchandises Contrôlées)							
Restriction	NON				NON		
Cote de sécurité SECRET avec Yeux Canadiens Seulement s'applique							

* Lorsqu'une restriction relative à la diffusion est indiquée, spécifié si les résidents permanents ont le droit d'être inclus.

LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS) GUIDE DE SÉCURITÉ SUPPLÉMENTAIRE

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Partie B - Niveau Multiple de Contrôle de la Sécurité du Personnel: Guide de Classification de la Sécurité			
À être remplis en supplément de la question 10.a) Lorsque des niveaux multiple de contrôle de la sécurité du personnel sont identifiés. Veuillez indiquer quels niveaux de sécurité du personnel sont requis pour quelles portions du travail/accès dans le contrat.			
Niveau de Sécurité du Personnel (i.e. Fiabilité, Secret)	Poste / Description/Tâche	Accès à des sites et/ou information. Niveau d'information à être accédé.	Restriction a la Citoyenneté (s'il y en a)
Fiabilité	Gestionnaire de projet/	Non Classification	
Secret/ Secret OTAN	Gestionnaire de projet	<i>SECRET Jusqu'au niveau SECRET OTAN</i>	
Fiabilité	Scientifique et ingénieur	Non classification	
Secret/ Secret OTAN	Scientifique et ingénieur	<i>SECRET Jusqu'au niveau SECRET OTAN</i>	
Fiabilité	Technicien	Non classification	
Secret/ Secret OTAN	Technicien	<i>Jusqu'au niveau SECRET OTAN</i>	

Partie C – Mesures de Protection / Technologie de l'Information (TI) – 11d = oui
Les besoins de sécurité TI doivent être spécifié dans un document technique séparé et soumis avec la LVERS.

AUTRE INSTRUCTIONS DE SÉCURITÉ

TASK AUTHORIZATION
AUTORISATION DES TÂCHES

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.		Contract no. – N° du contrat	
		Task no. – N° de la tâche	
Amendment no. – N° de la modification		Increase/Decrease – Augmentation/Réduction	Previous value – Valeur précédente
To – À	TO THE CONTRACTOR 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. 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. À L'ENTREPRENEUR 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. 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.		
Delivery location – Expédiez à			
Delivery/Completion date – Date de livraison/d'achèvement	Date	for the Department of National Defence pour le ministère de la Défense nationale	
Contract item no. N° d'article du contrat	Services		Cost Prix
	GST/HST TPS/TVH		
	Total		
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.			
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.			
for the Department of Public Works and Government Services pour le ministère des Travaux publics et services gouvernementaux			

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.

Expédiez 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.