



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 Plumes de navire	
Solicitation No. - N° de l'invitation W7701-176325/A	Date 2017-03-16
Client Reference No. - N° de référence du client W7701-176325	
GETS Reference No. - N° de référence de SEAG PW-\$QCW-028-17074	
File No. - N° de dossier QCW-6-39316 (028)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-04-06	Time Zone Fuseau horaire Heure Avancée de l'Est HAE
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Simoneau, Steve	Buyer Id - Id de l'acheteur qcw028
Telephone No. - N° de téléphone (418) 649-2816 ()	FAX No. - N° de FAX (418) 648-2209
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: RDDC-R et D Défense Canada-Valcartier DRDC-Defence R&D Canada-Valcartier BATISSE 53 2459 ROUTE DE LA BRAVOURE QUEBEC Québec G3J1X5 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

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Solicitation No – N° de l'invitation
W7701-176325/A
Client Ref No. – N° de réf. du client
W7701-17-6325

Amd. No. – N° de la modif.
File No. – N° du dossier
QCW-6-39316

Buyer ID – id de l'acheteur
qcw 028

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TITLE: Ship Plume Modelling

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 Attachments and the Annexes include the Financial Bid Presentation Sheet, the Mandatory and Point-Rated Technical Criteria, the Statement of Work, the Basis of Payment, and the Contractor Disclosure of Foreground Information.

2. Summary

(a) Title

Ship Plume Modeling

(b) Objective

Create a ship plume model for the Halifax Class ship for the Karma simulation environment based on the plume model within NTCS/ShipIR. The contractor will work with software for which DRDC Valcartier possesses licences (NTCS/ShipIR, Karma, etc.) and installed on our computers. The work will favour the continuous integration of all the deliverables in a database used by many programs of work and may contain controlled goods. For these reasons most of the work must be performed on site at DRDC Valcartier Research Centre,

(c) Client Department

The organization for which the services are to be rendered is Defence Research and Development Canada - Valcartier (DRDC - Valcartier).

(d) **Period of the Contract**

The period of the Contract is six (6) months from Contract award.

(e) **Important Information**

- i. Canada has determined that any intellectual property rights arising from the performance of the Work under the resulting contract will belong to Canada.
- ii. 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.
- iii. Bidders must provide a list of names, or other related information as needed, pursuant to section 01 of Standard Instructions 2003.
- iv. The requirement is not subject to an international Trade Agreement and the Agreement on Internal Trade (AIT).
- v. For services requirements, Bidders in receipt of a pension or a lump sum payment must provide the required information as detailed in article 3 of Part 2 of the bid solicitation
- vi. The maximum funding available for the contract resulting from the bid solicitation is \$45,000.00 (Applicable Taxes extra).
- vii. The requirement is limited to Canadian goods and/or services.
- vii. This procurement is subject to the Controlled Goods Program.

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.

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 (120) days

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

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

Definitions

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

- (i) an individual;
- (ii) an individual who has incorporated;
- (iii) a partnership made of former public servants; or
- (iv) a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

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

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

Former Public Servant in Receipt of a Pension

As per the above definitions, is the Bidder a FPS in receipt of a pension?

Yes ()

No ()

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

- (i) name of former public servant;
- (ii) 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:

- (i) name of former public servant;
- (ii) conditions of the lump sum payment incentive;
- (iii) date of termination of employment;
- (iv) amount of lump sum payment;
- (v) rate of pay on which lump sum payment is based;
- (vi) period of lump sum payment including start date, end date and number of weeks;

- (vii) 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 steve.simoneau@tpsgc-pwgsc.gc.ca, **no later than seven (7) 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.

6. Basis for Canada's Ownership of Intellectual Property

Defence Research and Development Canada (DRDC) 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:

- 6.1 national security;

7. Maximum Funding

The maximum funding available for the contract resulting from the bid solicitation is **\$45,000.00** (Applicable Taxes extra, as appropriate). Bids valued in excess of this amount will be considered non-responsive. This disclosure does not commit Canada to pay the maximum funding available.

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 (1 hard copy)

Section III : Certifications (1 hard copy)

Section IV : Additional Information (1 hard copy)

If there is a discrepancy between the wording of the soft copy and the hard copy, the wording of the hard copy will have priority over the wording of the soft 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 Section I : Technical Bid

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

The technical bid should clearly address 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:

All the information required to demonstrate its conformity with the Mandatory and Point-Rated Technical Criteria described in **Attachment 3** - Mandatory and Point Rated Technical Criteria.

1.2 Section II: Financial Bid

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

- a. The information must be provided in accordance with the **Financial Bid Presentation Sheet in Attachment 1**
- b. Prices must be in Canadian dollars, Applicable Taxes excluded FOB destination, Canadian customs duties and excise taxes included.

1.3 Section III : Certifications

Bidders must submit the certifications required under Part 5.

1.4 Section IV : Additional Information

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

For services requirements, Bidders in receipt of a pension or a lump sum payment must provide the required information as detailed in article 3 of Part 2 of the bid solicitation.

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 – Bidder's 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 Supporting Information

In the event that the Bidder fails to submit any supporting information pursuant to Request for Proposals (RFP), the Contracting Authority may request it thereafter in writing, 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.

1.1.1 Mandatory Technical Criteria

Refer to **Attachment 3**, Mandatory and Point Rated Technical Criteria.

1.1.2 Point Rated Technical Criteria

Refer to **Attachment 3**, 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 clause **1.2 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, Canadian customs duties and excise taxes included.

For evaluation purposes only, the price of the bid will be determined as detailed in **Attachment 2, Evaluation of Price**.

2. Basis of Selection

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

- 1. To be declared responsive, a bid must:
 - (a) comply with all the requirements of the bid solicitation;

- (b) meet all mandatory criteria;
 - (c) obtain the required minimum points specified for each criterion and group of criterion which are subject to point rating; and
 - (d) obtain the required minimum of 63 points overall for the technical evaluation criteria which are subject to point rating. The rating is performed on a scale of 235 points.
2. Bids not meeting (a) or (b) or (c) or (d) will be declared non-responsive.
 3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 60 % for the technical merit and 40 % for the price.
 4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 60.
 5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 40.
 6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.
 7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 60/40 ratio of technical merit and price, respectively. The total available points equals 235 and the lowest evaluated price is \$45,000.00.

Basis of Selection - Highest Combined Rating Technical Merit (80%) and Price (20%)

		Bidder		
		Bidder 1	Bidder 2	Bidder 3
Overall Technical Score		175/235	89/235	200/235
Bid Evaluated Price		55 000,00 \$	50 000,00 \$	45 000,00 \$
		Calculations		
Calculations	Technical Merit Score	$175/235 \times 60 = 44.68$	$89/235 \times 60 = 22.72$	$200/235 \times 60 = 51.06$
	Pricing Score	$45/55 \times 40 = 32.73$	$45/50 \times 40 = 36.00$	$45/45 \times 40 = 40.00$
Combined Rating		77.41	58.72	91.06
Overall Rating		2 nd	3 rd	1 st

PART 5 - CERTIFICATIONS

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

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

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

1. Certifications Precedent to Contract Award

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

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

1.1 Declaration of Convicted Offences

As applicable, pursuant to subsection Declaration of Convicted Offences of section 01 of the Standard Instructions, the Bidder must provide with its bid, a completed [Declaration Form](http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaire-form-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaire-form-eng.html>), to be given further consideration in the procurement process.

1.2 Integrity Provisions – List of Names

Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder.

Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s).

Bidders bidding as societies, firms or partnerships do not need to provide lists of names.

1.3 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.

2. Additional Certifications Precedent to Contract Award and Additional Information

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, 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;
 - (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.

1. Statement of Work

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

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

3.1 The following security requirement (SRCL and related clauses) applies and form part of the Contract. There is no security requirement applicable to this Contract.

SECURITY REQUIREMENT FOR CANADIAN SUPPLIER: PWGSC FILE W7701-176325

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 SECRET**, issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
2. The Contractor/Offeror personnel requiring access to PROTECTED/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 CISD/PWGSC.

-
3. 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 (PWGSC).
 4. The Contractor/Offeror **MUST NOT** remove any PROTECTED/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.
 5. Subcontracts which contain security requirements are **NOT** to be awarded without the prior written permission of CISC/PWGSC.
 6. The Contractor/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).

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.

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.pwgsc-tpsgc.gc.ca/msi-ism/index-eng.html> , chapter 6

4. Term of Contract

4.1 Period of Contract

The period of the Contract is six (6) months from Contract award.

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Steve Simoneau
Title: Procurement Officer
Public Works and Government Services Canada
Acquisitions Branch
601-1550, avenue d'Estimauville
Québec (Québec) G1J 0C7
Telephone: 418-649-2816
Facsimile: 418-648-2209
E-mail address: steve.simoneau@pwgsc-tpsgc.gc.ca

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

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

The Technical Authority for the Contract is:

Name:
Title:
Organization:
Address:
Telephone:
Facsimile:
E-mail:

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 Procurement Authority *(to be completed at contract award)*

The Procurement Authority for the Contract is:

Name:
Title:
Organization:
Address:
Telephone:
Facsimile:
E-mail:

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

5.4 Contractor's Representative

Administrative representative :

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

Technical representative :

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

6. Proactive Disclosure of Contracts with Former Public Servants

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

7. Payment

7.1 Basis of Payment

The Contractor will be reimbursed for the costs reasonably and properly incurred in the performance of the Work, as determined in accordance with the Basis of Payment in Annex B, to a limitation of expenditure of 45 000.00\$. Customs duties are included, and Applicable Taxes are extra.

7.2 Limitation of Expenditure

1. Canada's total liability to the Contractor under the Contract must not exceed the sum of **\$45,000.00**. Customs duties are included and Applicable Taxes are extra.
2. No increase in the total liability of Canada will be authorized or paid to the Contractor unless an increase has been approved, in writing, by the Contracting Authority.
3. The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:
 - (a) when it is 75 percent committed, or
 - (b) four (4) months before the contract expiry date, or
 - (c) as soon as the Contractor considers that the sum is inadequate for the completion of the Work required, inclusive of any revisions,whichever comes first.
4. If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority, a written estimate for the additional funds required. Provision of such information by the Contractor does not increase Canada's liability.

7.3. Method of payment

7.3.1 Progress payment:

1. Canada will make progress payments in accordance with the payment provisions of the Contract, no more than once a month, for cost incurred in the performance of the Work up to 90 percent of the amount claimed and approved by Canada if:
 - (a) an accurate and complete claim for payment using form PWGSC-TPSGC 1111(<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/1111.pdf>), Claim for Progress Payment, and any other document required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
 - (b) the amount claimed is in accordance with the Basis of payment;
 - (c) the total amount for all progress payments paid by Canada does not exceed 90 percent of the total amount to be paid under the Contract;

(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 Contract upon completion and delivery of all work required under the Contract if the Work has been accepted by Canada and a final claim for the payment is submitted.
3. Progress payments are interim payments only. Canada may conduct a government audit and interim time and cost verifications and reserves the 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) a list of all expenses;
- (d) the description of the milestone invoiced, as applicable.

Each request must be by:

- (a) a copy of time sheets to support the time claimed
- (b) a copy of the invoices, receipts, vouchers for all direct expenses, travel and living expenses;
- (c) a copy of the monthly progress report.

2. Applicable Taxes must be calculated on the total amount of the claim before the holdback is applied. At the time the holdback is claimed, there will be no Applicable Taxes payable as it was claimed and payable under the previous claims for progress payments.
3. The Contractor must prepare and certify one original and two (2) copies of the claim on form PWGSC-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 entire contract period. 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 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "[FCP Limited Eligibility to Bid](#)" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

9.3 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 **Quebec**.

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);
- (c) the general conditions 2040 (2016-04-04);
- (d) Annex A, Statement of Work;
- (e) Annex B, Basis of Payment;
- (f) Annex C, Contractor Disclosure of Foreground Information;
- (g) Attachment 1, Financial Bid Presentation Sheet;
- (h) Attachment 2, Mandatory and Point-Rated Technical Criteria;

(i) the Contractor's bid dated _____. ***(to be completed 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, in electronic format, on the progress of the Work, to both the Technical Authority and the Contracting Authority.

2. The progress report must contain three parts:

(a) PART 1: The Contractor must answer the following three questions:

(i) Is the project on schedule?

(ii) Is the project within budget?

(iii) Is the project free of any areas of concern in which the assistance or guidance of Canada may be required?

Each negative response must be supported with an explanation.

(b) PART 2: A narrative report, brief, yet sufficiently detailed to enable the Technical Authority to evaluate the progress of the Work, containing as a minimum:

(i) A description of the progress of each task and of the Work as a whole during the period of the report. Sufficient sketches, diagrams, photographs, etc., must be included, if necessary, to describe the progress accomplished.

(ii) An explanation of any variation from the work plan.

(iii) A description of trips or conferences connected with the Contract during the period of the report.

(iv) A description of any major equipment purchased or constructed during the period of the report.

(c) PART 3: The "Contract Plan and Report Form", PWGSC-TPSGC 9143 (<http://publiservice-app.tpsgc-pwgsc.gc.ca/forms/pdf/9143.pdf>), (or an equivalent form acceptable to the Contracting Authority) showing the following:

(i) Actual and forecast expenditure on a monthly basis for the period being covered.
(Expenditures are to be outlined by month and by task.)

17. Canadian Forces Site Regulations

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

18. Identification Badge

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

ATTACHMENT 1 FINANCIAL BID PRESENTATION SHEET

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

Bidders must submit their financial bid in accordance with 1.2 Section II: Financial Bid, of Part 3 – Bid Preparation Instructions.

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

Labour Category	Proposed Resource (complete name)	Firm hourly rates	Estimated number of hours	TOTAL
a) Project Manager (min. 1 resource)	1. _____	_____ \$	_____	_____ \$
	2. _____	_____ \$	_____	_____ \$
	3. _____	_____ \$	_____	_____ \$
b) Modeling Specialist (min. 1 resource)	1. _____	_____ \$	_____	_____ \$
	2. _____	_____ \$	_____	_____ \$
	3. _____	_____ \$	_____	_____ \$
	4. _____	_____ \$	_____	_____ \$
c) Computing Specialist (min. 1 resource)	1. _____	_____ \$	_____	_____ \$
	2. _____	_____ \$	_____	_____ \$
	3. _____	_____ \$	_____	_____ \$
	4. _____	_____ \$	_____	_____ \$
d) Physics Specialist (min. 1 resource)	1. _____	_____ \$	_____	_____ \$
	2. _____	_____ \$	_____	_____ \$
	3. _____	_____ \$	_____	_____ \$
	4. _____	_____ \$	_____	_____ \$
TOTAL ESTIMATED : LABOUR				_____ \$

2. **TRAVEL & LIVING:**

- (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 the greater region of Quebec City (including Defence Research and Development Canada - Valcartier); and
 - (ii) any travel between the Contractor's place of business and the greater region of Quebec City (including Defence Research and Development Canada – Valcartier).
- (b) For services to be provided outside the greater region of Quebec City, the Contractor will be reimbursed its authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for profit and/or administrative overhead, in accordance with the meal, private vehicle and incidental expenses provided in Appendices B, C and D of the National Joint Council Travel Directive (<http://www.njc-cnm.gc.ca/directive/travel-voyage/index-eng.php>), and with the other provisions of the directive referring to "travellers", rather than those referring to "employees". The Treasury Board Secretariat's Special Travel Authorities, http://www.tbs-sct.gc.ca/pubs_pol/hrpubs/tbm_113/statb-eng.asp, also apply.
- (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.

TOTAL ESTIMATED TRAVEL & LIVING: **0.00\$**

3. **MATERIALS, SUPPLIES and EQUIPMENT:** At laid down cost without markup

TOTAL ESTIMATED MATERIALS, SUPPLIES and EQUIPMENT: \$_____

ESTIMATED TOTAL COST - Limitation of expenditure: \$45 000.00
(applicable taxes extra)

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.

ATTACHMENT 2 EVALUATION OF PRICE

For evaluation purposes only, the price of the bid will be determined as follows:

1- Financial Bid

Bidders must submit their bid in accordance with **Annex B – Basis of payment**

2- Approximate percentage of use:

The total price of the bid will be evaluated according to the levels of effort estimated below:

Project Manager (GP)	10%
Modelling Specialist Category	35%
Computing Specialist Category	30%
Physics Specialist Category	25%

3 - 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 average hourly rate provided for the given category (for a given bid).

If a specific resource for a given category fails to obtain the required minimum of points for any of the criteria, that resource will not be considered for the Contract and for the cost of labour calculation for the given category.

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

4 – Example of calculations for 3 bids:

Total limitation of expenditure for the contract (applicable taxes extra): \$45,000.00

Labour category	% of use	Rate A	Price for A	Rate B	Price for B	Rate C	Price for C	Effort available
Project Manager	10%	92\$	\$4,959.90	75\$	\$4,133.25	80\$	\$4,408.80	55.11
Modelling Specialist	35%	95\$	\$18,322.65	85\$	\$16,393.95	90\$	\$17,358.30	192.87
Computing Specialist	30%	90\$	\$14,878.80	75\$	\$12,399.00	80\$	\$13,225.60	165.32
Physics Specialist	25%	90\$	\$12,399.30	75\$	\$10,332.75	80\$	\$11,021.60	137.77
TOTAL			\$50,560.65		\$43,258.95		\$46,014.30	
RANK			3 rd		1 st		2 nd	

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.

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W7701-17-6325

Amd. No. – N° de la modif.
File No. – N° du dossier
QCW-6-39316

Buyer ID – id de l'acheteur
qcw 028

ATTACHMENT 3 MANDATORY AND POINT RATED TECHNICAL CRITERIA

See following pages

REQUIRED TECHNICAL CRITERIA AND POINTS		YES	NO	COMMENTS
1) REQUIRED TECHNICAL CRITERIA				
<p>At the time and date of the closing for submissions, the bidder must respect the following required criteria and provide all necessary documents to prove that they comply with them. Any submission that does not respect any of the following required criteria shall be declared non-receivable. Each of the required criteria must be treated separately.</p> <p>Note: The evaluation will not consider any stated experience if it is not accompanied by proof showing where and how it was acquired.</p>				
a)	The bidder must propose a minimum of one Project Manager. Each proposed project manager must have a minimum of 24 months of experience as a Project Manager. The Project Manager may also perform technical work for the project but must also qualify in one of the categories below. These person must be able to work in both Canadian official languages (oral, comprehension, and writing).			
b)	<p>The bidder must propose the number of resources for each of the 3 following categories. No resource can be found in more than one category.</p> <ol style="list-style-type: none"> Modelling: minimum 1 resource. Physics: minimum 1 resource. Computing: minimum 1 resource. 			
c)	All proposed resources for the "Computing" category must have a Bachelor, Masters or Doctorate in Computer Science, Computer Engineering or Software Engineering.			
d)	All proposed resources for the "Modelling" and "Physics" categories must have a Bachelor, Masters or Doctorate in Physics, Chemistry, Engineering Physics, Electrical Engineering or Chemical Engineering.			

2) TECHICAL CRITERIA POINTS

The different received propositions that meet the required criteria will be evaluated and given points according to the criteria described below. The minimum number of points required for each criterion is also indicated.

The criteria for section 1 will be awarded points as follows:

Each of the evaluated criteria of section 1 will be awarded a maximum of 10 points according to Table 1: Evaluation grid for the section 1 criteria below, and considered according to the table descriptors.

Table 1: Evaluation grid for the section 1 criteria							
	Extremely Weak	Very Weak	Weak	Acceptable	Average	Superior	Exceptional
0 point	1-2 points	3-4 points	5 points	6 points	7-8 points	9 points	10 points
No proof given that can be evaluated	Doesn't satisfy the requirements	Generally doesn't satisfy the requirements	Lacks precision	Just satisfies the requirements	Satisfies the requirements	More than satisfies the requirements	Much more than satisfies the requirements
	Weaknesses can't be compensated for.	Generally, it is very unlikely that the weaknesses can be compensated for	Weaknesses could be compensated for	Weaknesses can be corrected	No obvious weaknesses	No apparent weaknesses	No weaknesses
	Inacceptable	Extremely weak; cannot satisfy the deliverables	Little possibility of satisfying the deliverables	Minimum acceptable capability; should be able to satisfy the deliverables	Average capability; should provide the deliverables efficiently	Superior capability; should provide the deliverables very efficiently	Exceptional capability; should provide the deliverables extremely efficiently

DESCRIPTION	POINTS MIN.	POINTS MAX.	POINTS	COMMENTS
1 – MANAGEMENT AND TECHNICAL PROPOSAL	30	50		
1.1 - Understanding of the context and purpose of the objectives The demonstrated understanding of the context and purpose of the objectives must be complete and not limited to the description given for each of the tasks. The submitter must show, in his own words and in an evident manner, that the context and the objectives of each task are well understood.	6	10		
1.2 - Identification of risk elements The submitter must clearly describe the elements of each task that he consider at risk and propose a plan to mitigate it such that the task can be completed within the budget and time allowed. The discussed elements must be pertinent and the mitigation plan realistic.	6	10		
1.3 – Proposed strategy and methodology The submitter must clearly present the technical approach and the methodology for each of the tasks and the required resources (equipment, material and personnel). The technical approach and methodology must be coherent, pertinent to the realisation of the project, and realistic.	6	10		

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File No. – N° du dossier
QCW-6-39316

Buyer ID – id de l'acheteur
qcw 028

DESCRIPTION	POINTS MIN.	POINTS MAX.	POINTS	COMMENTS
1.4 - Clarity and precision of the proposal The submitter will be evaluated on the clarity and precision of the proposals content. The proposition must be well structured and easy to understand.	6	10		
1.5 – Resource management system The submitter must propose an appropriate system for controlling all resources. The submitter must describe how the project will be managed with respect to priorities, resource availability, the quality of the work, and level of effort required.	6	10		

The criteria for section 2 will be awarded points as follows:

Each of the evaluated elements for each criteria of section 2 will be awarded a maximum of 6 points according to **Table 2: Evaluation grid for the section 2 criteria (knowledge)** and **Table 3: Evaluation grid for the section 2 criteria (expertise)** below, and considered according to the rules given in the tables. In addition, the submitter must:

- Identify the proposed resources for each category,
- Provide the C.V. for each proposed resource, et
- Indicate and provide proof of their pertinent knowledge (instruction at school, at work or other), and;
- Indicate and provide proof of their pertinent expertise.

Table 2: Evaluation grid for the section 2 criteria (knowledge)

No instruction	Average	High
0 point	2 points	4 points
<div><ul style="list-style-type: none">• For each resource category, each individual will be evaluated separately and the total points for a resource category will be determined by the mean of all the proposed resources (the team average).• The minimum indicated score must be attained by the team average and not by each of the proposed resources.<div>Average – a course or by learning at work (a project) High – two courses or by learning at work (two or more projects)</div></div>		

Table 3: Evaluation grid for the section 2 criteria (expertise)

Less than 6 months	Between 6 and 12 months	Between 12 and 24 months	More than 24 months
0 point	2 points	4 points	6 points
<ul style="list-style-type: none">For each resource category, each individual will be evaluated separately and the total points for a resource category will be determined by the mean of all the proposed resources (the team average).The minimum indicated score must be attained by the team average and not by each of the proposed resources.			

DESCRIPTION	POINTS MIN.	POINTS MAX.	POINTS	COMMENTS
2 – KNOWLEDGE and EXPERIENCE	27	170		
2.1 – For the proposed resources of the “Modelling” category	12	78		
2.1.1 – Knowledge <ul style="list-style-type: none">SimulinkEXCELNTCS/ShiplRKarmaC++Visual Studios	3 0.5 0.5 0.5 0.5 0.5 0.5	24 4 4 4 4 4 4		

DESCRIPTION	POINTS MIN.	POINTS MAX.	POINTS	COMMENTS
2.1.2 – Expertise <ul style="list-style-type: none">• Experience with a Verification and Validation process• Experience with the creation of numerical models• Experience with image processing• Experience with modelling infrared imager sensors• Experience with spectroscopy• Experience with radiometry• Experience with the modelling of infrared signatures• Experience with the modelling of combustion exhausts (plumes)• Experience with modelling atmospheric effects on infrared propagation	9 1.5 1.5 0.5 1 1 1 1 1 1 0.5	54 6 6 6 6 6 6 6 6 6 6 6		
2.2 – For the proposed resources of the “Computing” category	6	38		
2.2.1 – Knowledge <ul style="list-style-type: none">• Visual Studios• C++ et ses libraires• D’autres langages de programmation• OpenGL• Karma	2.5 0.5 0.5 0.5 0.5 0.5	20 4 4 4 4 4		

DESCRIPTION	POINTS MIN.	POINTS MAX.	POINTS	COMMENTS
2.2.2 – Expertise <ul style="list-style-type: none">• Experience with a Verification Validation process• Experience with the creation of numerical models• Experience with parametric studies	3.5 1.5 1.5 1.5	18 6 6 6		
2.3 – For the proposed resources of the “Physics” category	9	54		
2.3.1 Knowledge <ul style="list-style-type: none">• Matlab• EXCEL• ShipIR• WORD• MODTRAN• EOSPEC	3 0.5 0.5 0.5 0.5 0.5 0.5	24 4 4 4 4 4 4		

DESCRIPTION	POINTS MIN.	POINTS MAX.	POINTS	COMMENTS
2.3.2 - Expertise	6	30		
· Experience with physical phenomenon with respect to the infrared signature of ships, aircraft or vehicles.	1.5	6		
· Experience with physical/chemical phenomenon with respect to gases and their infrared signatures	1.5	6		
· Experience with electro-optics				
· Experience with infrared atmospheric propagation effects	1	6		
· Experience with the measurement of infrared signatures and their analysis	1	6		

The criteria for section 3 will be awarded points as follows:

Each of the evaluated elements for each criteria of section 3 will be awarded a maximum of 5 points according to **Table 4: Evaluation grid for the criteria of section 3** below, and considered according to the rules given in the table. The submitter must furnish a reason why a given project meets the requirement for each criterion. A project may satisfy more than one criterion.

Table 4: Evaluation grid for the criteria of section 3

No project	1 project	2 or 3 projects	4 projects or more
0 point	1 points	3 points	5 points

DESCRIPTION	POINTS MIN.	POINTS MAX.	POINTS	COMMENTS
3 – EXPERIENCE OF THE BIDDER	6	15		
3.1 – In realizing R&D projects	3	5		
3.2 – In the realization of modelling and/or simulation (M&S) projects worth 50k\$ or more		5		
3.3 – In the realization of software engineering projects worth 50k\$ or more		5		

Annex A - Statement of Work

1. General

1.1 Title

Ship plume modelling

1.2 Objective

Create a ship plume model for the Halifax Class ship for the Karma simulation environment based on the plume model within NTCS/ShipIR.

1.3 Acronyms

IR :	Infrared
Karma:	Engagement simulator
SMAT:	Signature Modeling and Analysis Tool
MODTRAN :	MODerate resolution atmospheric TRANsmission
MSCO:	Modelling and Simulation Coordination Office
CSC:	Canadian Surface Combattant
DRDC :	Defense Research and Development Canada
V&V:	Verification and Validation
XML :	Extensible Markup Language
NTCS:	Naval Threat Countermeasures Simulator
ShipIR:	Ship Infrared

1.4 Context

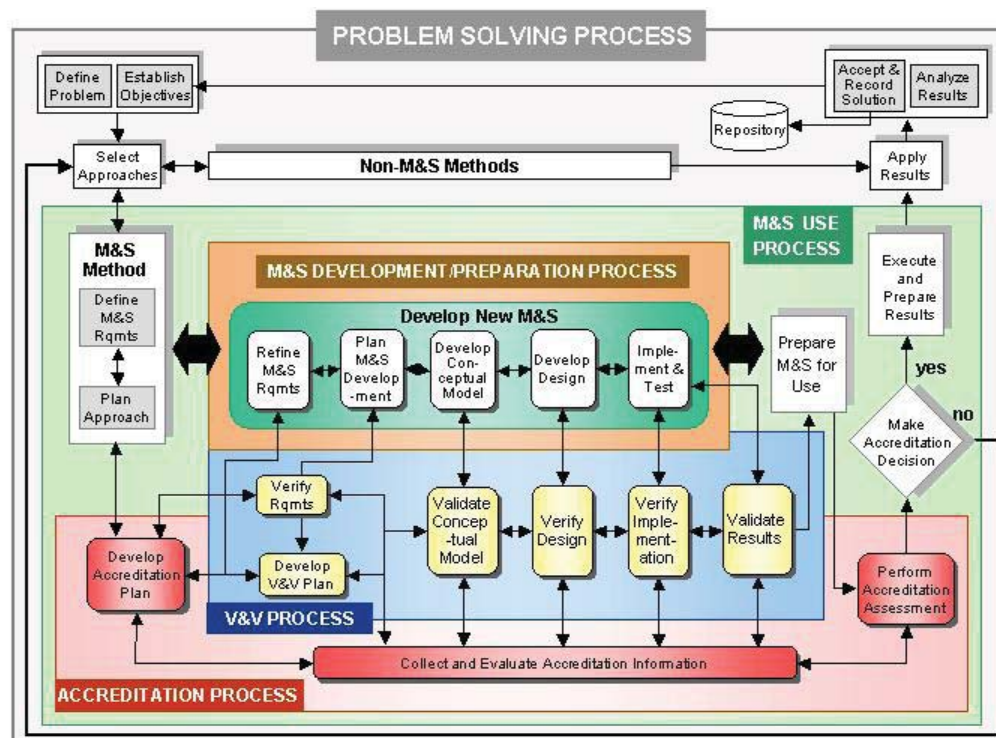
Due to its flexibility and its integration capability, numerical simulation is the accepted method to evaluate the performance of current and future military systems.

DRDC – Valcartier Research Centre has elaborated IR signature modelling tools that have been applied to the development of the IR signatures for platforms, their flares and their plumes (exhausts). These tools are to be used and adapted as required.

NTCS/ShipIR possesses a ship, flare and plume model for our Halifax Class ships. It's plume model will be the reference for creating a representative plume model for use within Karma's simulation environment and using the SMAT analysis tool.

1.5 Verification and Validation (V&V)

The contractor will have to verify and validate the numerical models created for Karma with the NTCS/ShipIR results through a V&V process developed by DRDC-Valcartier Research Centre (based on the MSCO process). Figure 1 gives an overview of the V&V process that should be carried out, followed by a brief description of the process' eight steps.



VV&A and New M&S Development

5/15/01

Figure 1 – MSCO Verification and Validation process.

- i. Define requirements: The first step is to define all the requirements. The system must be precisely characterized such that the developer can create a component that responds to the client's needs.
- ii. Verify requirements: Next, the developer must assure that they properly understood all the stated requirements. In this way, the developer assures that they will develop a system that adequately responds to the client's needs.
- iii. Create a V&V plan: The next step consists of developing a V&V plan. It plays a crucial role in the V&V process as it is within this plan that the V&V strategies to be applied to each of the future phases are determined. It also contains the tests to be made, the available data, the expected results, and the criteria that determine if a requirement has been met or not. The technical authority must approve this plan.
- iv. Model concept validation: When the concept model has been completed, it must be validated by others to assure that all requirements have been taken into account. The method used at this point is peer review, meaning the technical authority and at least one colleague.
- v. Design verification: At the end of the system design phase, it is verified by the technical authority to assure that the developer has followed good software development practices and to assure again that all the requirements have been met.
- vi. Implementation verification: The verification of the implementation is the next step. During this step, a verification of the developer's implementation is performed by the contractor. This step consists of verifying that the implementation respects programming rules, is optimized and well documents. A series of unitary and integration test must also be executed by someone other than the developer. A series of unitary and integration tests

must also be executed by someone other than the developer. This step also permits the acquisition of internal data and the verification that these data correspond to existing representative data from a real (or reference) system.

- vii. Result validation: The next stop consists of validating the results. The system outputs must be validated by the contractor with data from a real (or reference) system. Also, a validation that the system meets all requirements, determined earlier, must be done. At the end of this step, a technical report describing the results of the V&V process must be produced.
- viii. Qualification decision: The final step consists of qualifying or not the system. A system is qualified if the V&V process has been applied and it meets all the requirements and the acceptance criteria. The approbation of the technical authority is required.

2. APPLICABLE DOCUMENTS (references)

None.

3. SCOPE OF WORK

The objective is to create plume models for use with Karma that represent the IR signature of each type of plume that vary depending on their state, the atmospheric conditions, and the activation of a signature reduction system.

The contractor must analyze the requirements needed to model the plumes of the Halifax Class ships within Karma starting with an analysis of results extracted from its NTCS/ShipIR model.

The model for Karma will be built from a system of particles model similar to that produced for its flare model. The plume's particles, their temperatures, their shapes, their volume, and their IR signatures will depend on different sources (diesel generator, gas turbine, hot air exhausts), their state, the atmospheric conditions, and the operation or not of a signature reduction system.

The models for the different plume sources will be created by the SMAT tool before integration into Karma.

As much as possible the models must be based on physical phenomenon such that they can be validated against experimental measurements of real plumes and adjusted so as to reach their greatest possible fidelity.

3.1 Task 1 – Project Management

Assure the good management of the project and coordinate with any ongoing related projects. The project manager may have to communicate with military clients and internal or external DRDC-Valcartier Research Centre collaborators to give them an update or answer their questions. The manager may also be requested to support the presentation of this work at meetings or conferences.

The manager must prepare and attend meetings with the technical authority and other DRDC representatives. The contractor is to lead these meetings. Each meeting is to minimally cover the following items:

- Discussions on the technical elements of the work (design, technological choices, problems, etc...);
- Discussion about the progress, any results or problems, the creation of any documentation;
- Management report from the contractor (finances & use of resources);
- Project report on the progress of the work;
- Update of the project's plan;

-
- Contractor's work plan for the next period (expected progress).

The agenda, the minutes and the actions from these meeting must be delivered to the technical authority in electronic format within two working days.

The manager must assure the transfer of knowledge from this contract to DRDC Valcartier Research Centre personnel. Une présentation et/ou un atelier pratique d'une demi-journée devra être prévue par l'entrepreneur.

The manager must be able to perform his tasks in both official languages.

3.2 Task 2 – Analysis of the requirements for the plume models

The contractor must analyze the requirements for the plume models by performing a review of the literature and of the NTCS/ShipIR plume model. The analysis must include a list of the models, a description of their inputs and outputs, a description of their algorithm, a comparison of their advantages and disadvantages, and recommendations on how to improve the model in NTCS/ShipIR.

3.3 Task 3 – Model development

The contractor must create the models following their V&V plan. It must include:

- Experiment: Use NTCS/ShipIR to create a database to develop models for each plume type (diesel combustion, gas turbine, water vapour emissions). This data must vary according to its state, the atmospheric conditions, and the functioning of a signature management system (i.e. gas cooling system).
- Analyze: Analyze the data from the NTCS/ShipIR plume model to develop the algorithms.
- Conception & Design: Conceive the plume models for integration with Karma.
- Development: Develop the models with the aid of Visual Studio following programming and development practices in place and the software version provided by the technical authority.
- Test: Make a series of tests to assure the integrity of the software models for Karma.
- Validate: Perform a validation study between the NTCS/ShipIR model and those for Karma. The study must include, but not be limited to, an analysis of the results obtained from the V&V plan, the limitations of the Karma models, and how the models should be used by future developers and users.
- Qualification: Demonstrate to the technical authority that the development has met the level of fidelity required or what additional effort is required to meet the requirements.
- Rapport technique: Document each step of the V&V plan and each of the above points (experiment, analyze, etc.). It must also include an annex on the usage and integration of the models with Karma.

The contractor must assure that the work performed in the contract is compatible with other systems and models that may be under development by others at RDDC so as to assure their easy integration into Karma.

4. REPORTS AND OTHER DELIVERABLES

All the products delivered for this contract are listed below. The work and the deliverables furnished by the contractor must be regularly integrated into Karma’s “Subversion” database following instructions given by the technical authority. In addition to being a management tool for model configuration, the “Subversion” database serves as a backup repository for all important contract documents.

All documents must be written in English other than those exempted by the technical authority.

All documents are to be furnished in the Microsoft Word 2010 format unless otherwise approved by the technical authority.

All data from NTCS/ShipIR and their treatment must be provided in the Microsoft EXCEL 2010 format unless otherwise approved by the technical authority.

4.1 All tasks

- i. All original files (image, diagrams, planning, etc.) created during the production of every report.
- ii. All material/equipment purchased by the contractor to complete each task.

4.2 Task 1

- i. Monthly report describing the state of the work.
- ii. Closing report for each task giving the task in question, the deliverables, the total expense compared to that budgeted, the problems encountered, the lessons learned, and any resulting improvements.

4.3 Task 2

- i. Analysis report on requirements pertaining to Article 3.2.

4.4 Task 3

- i. Technical development report. The document must include:
 - a. An introduction describing the challenge and the contents of the report.
 - b. A section on the experiment done with NTCS/ShipIR and the obtained data.
 - c. A section on the analysis of these data.
 - d. A section on the conception and design of the models for Karma.
 - e. A section on the development of the models for Karma.
 - f. A section on the tests made with the models.
 - g. A section on the validation done between the NTCS/ShipIR model results and those for the Karma models.
 - h. A section on the qualification of the models for Karma.
- ii. The technical development report must also include the following three documents to satisfy the requirements of the “Subversion” database:
 - a. An annex of the V&V plan and report.
 - b. An annex of all model descriptions.

c. An annex of the development of the SMAT plume models for Karma from the NTCS/ShipIR results.

- iii. All source code and their comments for all software developed during the contract.
- iv. All compiled versions for all developed software compatible with the DRDC server.
- v. All updated versions of documents following modifications made to the models or their components.

5. MEETINGS

All meetings are to be held at DRDC Valcartier every two weeks to evaluate the level of progress, any problems and the work to come.

A meeting may be requested by the contractor or DRDC at any time to resolve issues that require a quick response. These meetings may be held at DRDC Valcartier or by teleconference.

6. GOVERNMENT FURNISHED MATERIAL (GFM)

The contractor will have access to the Karma’s “Subversion” database for the requirements of the contract. The database will be made available to the contractor at the beginning of the work. The contractor will also access to all technical documents and tools required for the work. All provided information is reserved exclusively for the contract’s requirements.

7. GOVERNMENT FURNISHED EQUIPMENT (GFE)

The contractor will have access to a RDDC Valcartier building where a maximum of two work stations will be available for their use. The contractor must manage the tasks and his personnel with this constraint in mind. The work stations will include Microsoft Office 2010, Microsoft Visual Studios, and at least one work station will have a version of Karma and its tools like SMAT, and the other a version of NTCS/ShipIR. Other software may be added depending on the requirements of the contract, its availability and/or cost.

8. WORK SITE

The contractor will work with software for which DRDC Valcartier possesses licences (NTCS/ShipIR, Karma, etc.) and installed on our computers. The work will favour the continuous integration of all the deliverables in a database used by many work programs and may contain controlled goods. For these reasons most of the work must be performed on site at DRDC Valcartier Research Centre, 2459 Route de la bravoure, Québec, Québec. Subject to the approval of the Technical Authority, some (unclassified) work could be perform off-site.

ANNEX B
BASIS OF PAYMENT
(to be completed by Canada at Contract award)

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

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

Labour Category	Proposed Resource (complete name)	Firm hourly rates	Estimated number of hours	TOTAL
a) Project Manager (min. 1 resource)	1. _____	_____ \$	_____	_____ \$
	2. _____	_____ \$	_____	_____ \$
	3. _____	_____ \$	_____	_____ \$
b) Modelling Specialist (min. 1 resource)	1. _____	_____ \$	_____	_____ \$
	2. _____	_____ \$	_____	_____ \$
	3. _____	_____ \$	_____	_____ \$
	4. _____	_____ \$	_____	_____ \$
c) Computing Specialist (min. 1 resource)	1. _____	_____ \$	_____	_____ \$
	2. _____	_____ \$	_____	_____ \$
	3. _____	_____ \$	_____	_____ \$
	4. _____	_____ \$	_____	_____ \$
d) Physics Specialist (min. 1 resource)	1. _____	_____ \$	_____	_____ \$
	2. _____	_____ \$	_____	_____ \$
	3. _____	_____ \$	_____	_____ \$
	4. _____	_____ \$	_____	_____ \$
TOTAL ESTIMATED : LABOUR				_____ \$

2. **TRAVEL & LIVING:**

- (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 the greater region of Quebec City (including Defence Research and Development Canada - Valcartier); and
 - (ii) any travel between the Contractor's place of business and the greater region of Quebec City (including Defence Research and Development Canada – Valcartier).
- (b) For services to be provided outside the greater region of Quebec City, the Contractor will be reimbursed its authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for profit and/or administrative overhead, in accordance with the meal, private vehicle and incidental expenses provided in Appendices B, C and D of the National Joint Council Travel Directive (<http://www.njc-cnm.gc.ca/directive/travel-voyage/index-eng.php>), and with the other provisions of the directive referring to "travellers", rather than those referring to "employees". The Treasury Board Secretariat's Special Travel Authorities, http://www.tbs-sct.gc.ca/pubs_pol/hrpubs/tbm_113/statb-eng.asp, also apply.
- (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.

TOTAL ESTIMATED TRAVEL & LIVING: **0.00\$**

3. **MATERIALS, SUPPLIES and EQUIPMENT:** At laid down cost without markup

TOTAL ESTIMATED MATERIALS, SUPPLIES and EQUIPMENT: **\$0.00**

ESTIMATED TOTAL COST - Limitation of expenditure: \$45,000.00
(applicable taxes extra)

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.

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 _____

Name _____ Title _____

(Internal DRDC Valcartier)

Signature _____ Date _____

Name _____ Title (Technical authority) _____

Solicitation No – N° de l'invitation
W7701-176325/A
Client Ref No. – N° de réf. du client
W7701-17-6325

Amd. No. – N° de la modif.
File No. – N° du dossier
QCW-6-39316

Buyer ID – id de l'acheteur
qcw 028

ANNEX D

SECURITY REQUIREMENTS CHECK LIST

The Security Requirements Check List (SRCL) (Annex **D**) appended to the bid solicitation package is to be inserted at this point and forms part of this document

NOV 24 2016

Government of Canada
Gouvernement du Canada

Contract Number / Numéro du contrat

WT701 - 176325

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	
DND		DRDC	
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 Experimentation and modeling of ship plumes			
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 checked="" type="checkbox"/> No / Non <input 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 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 <input checked="" type="checkbox"/>		All NATO countries Tous les pays de l'OTAN <input type="checkbox"/>	No release restrictions Aucune restriction relative à la diffusion <input type="checkbox"/>
Not releasable À ne pas diffuser <input type="checkbox"/>			
Restricted to: / Limité à: <input type="checkbox"/>		Restricted to: / Limité à: <input type="checkbox"/>	Restricted to: / Limité à: <input type="checkbox"/>
Specify country(ies): / Préciser le(s) pays:		Specify country(ies): / Préciser le(s) pays:	Specify country(ies): / Préciser le(s) pays:
7. c) Level of information / Niveau d'information			
PROTECTED A PROTÉGÉ A <input checked="" type="checkbox"/>		NATO UNCLASSIFIED NATO NON CLASSIFIÉ <input type="checkbox"/>	PROTECTED A PROTÉGÉ A <input type="checkbox"/>
PROTECTED B PROTÉGÉ B <input type="checkbox"/>		NATO RESTRICTED NATO DIFFUSION RESTREINTE <input type="checkbox"/>	PROTECTED B PROTÉGÉ B <input type="checkbox"/>
PROTECTED C PROTÉGÉ C <input type="checkbox"/>		NATO CONFIDENTIAL NATO CONFIDENTIEL <input type="checkbox"/>	PROTECTED C PROTÉGÉ C <input type="checkbox"/>
CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>		NATO SECRET NATO SECRET <input type="checkbox"/>	CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>
SECRET SECRET <input type="checkbox"/>		COSMIC TOP SECRET COSMIC TRÈS SECRET <input type="checkbox"/>	SECRET SECRET <input type="checkbox"/>
TOP SECRET TRÈS SECRET <input type="checkbox"/>			TOP SECRET TRÈS SECRET <input type="checkbox"/>
TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>			TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>

TBS/SCT 350-103(2004/12)

Security Classification / Classification de sécurité
Unclassified

Canada



Government
of Canada

Gouvernement
du Canada

Contract Number / Numéro du contrat

W7701-176325

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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 ☐ 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

☐ RELIABILITY STATUS
COTE DE FIABILITÉ

☐ CONFIDENTIAL
CONFIDENTIEL

☒ SECRET *pm*
SECRET

☐ TOP SECRET
TRÈS SECRET

☐ TOP SECRET - SIGINT
TRÈS SECRET - SIGINT

☐ NATO CONFIDENTIAL
NATO CONFIDENTIEL

☐ NATO SECRET
NATO SECRET

☐ COSMIC TOP SECRET
COSMIC TRÈS SECRET

☐ SITE ACCESS
ACCÈS AUX EMPLACEMENTS

Special comments:

Commentaires spéciaux :

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?

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



Government of Canada
Gouvernement du Canada

Contract Number / Numéro du contrat

W7701-176325

Security Classification / Classification de sécurité

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																
IT Media / Support TI																
IT Link / Lien Électronique																

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).