

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

Title - Sujet Endo-Atmospheric interceptor	
Solicitation No. - N° de l'invitation W7701-155905/A	Date 2014-10-16
Client Reference No. - N° de référence du client W7701-15-5905	
GETS Reference No. - N° de référence de SEAG PW-\$QCL-028-16152	
File No. - N° de dossier QCL-4-37145 (028)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-11-03	
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: 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: MINISTERE DE LA DEFENSE NATIONALE R & D POUR LA DÉFENSE CANADA - VALCARTIER, BÂTIMENT 53 2459 ROUTE DE LA BRAVOURE QUEBEC Québec G3J1X5 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

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

Issuing Office - Bureau de distribution

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

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

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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 the Statement of Work, the Basis of Payment, the Contractor Disclosure of Foreground Information and the Security Requirements Check List.

2. Summary

(a) Title

Modeling of weapons systems

(b) Tasks

Objectives

Development of a generic endo-atmospheric interceptor model in the Simulink environment; and modeling and validation of an attitude estimator in the Simulink environment.

Background

The Weapons Systems Section of DRDC Valcartier has developed, over the years, a specialized Matlab/Simulink library for modeling and simulation of complex weapons systems. The required work will largely be made from this library. In addition, the Weapons Systems Section of DRDC Valcartier has specific software tools for weapons aerodynamics modeling. These tools will also be required to perform the work.

(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 from the date of the contract to March 31, 2015 inclusive

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(e) Key information

- i. Defence Research and Development Canada - Valcartier has determined that any intellectual property rights arising from the performance of the Work under the resulting contract will belong to Canada.
- ii. Bidders must provide a list of names, or other related information as needed, pursuant to section 01 of Standard Instructions 2003.
- iii. 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.
- iv. The requirement is limited to Canadian services.
- v. The requirement is subject to the Agreement on Internal Trade (AIT).
- vi. 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.
- vii. This procurement is subject to the Controlled Goods Program.
- viii. Estimated amount of available funding for this contract: \$101 300.00, Applicable Taxes extra.

3. Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within **15 working days** 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 (2014-09-25) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

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 by the date and time indicated on **page 1** of the bid solicitation at the following place:

Public Works and Government Services Canada
1550, d'Estimauville Avenue
Quebec (QC), G1J 0C7

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

3. Former Public Servant - Competitive – Bid *(to be completed by the Bidder and should be provided with Certifications)*

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

Definitions

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

- a. an individual;

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

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

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

Former Public Servant in Receipt of a Pension

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

Yes ()

No ()

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

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

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with [Contracting Policy Notice: 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.

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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. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority preferably by e-mail at the following address: josee.roy@tpsgc-pwgsc.gc.ca, no later than **eight (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 questions 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

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 (4 hard copies and 4 soft copies on CD or DVD)

Section II : Financial Bid (1 hard copy)

Section III : Certifications (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.

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- (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 - 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**.

1.3.1 Additional information precedent to Contract Award

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 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.

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

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.

1.1.1 Mandatory Technical Criteria

Refer to **Attachment 2**, Mandatory and Point Rated Technical Criteria.

1.1.2 Point Rated Technical Criteria

Refer to **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 **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, FOB destination, Canadian customs duties and excise taxes included.

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 criteria; and
 - (c) obtain the required minimum points specified for the technical evaluation, and
 - (d) obtain the required minimum of 77 points overall for the technical evaluation criteria which are subject to point rating.

The rating is performed on a scale of 155 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 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 70.
5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated average rate and multiplied by 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.

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

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 point equals 155 and the lowest evaluated price is 83.11\$/hr.

	Bidder		
	Bidder 1	Bidder 2	Bidder 3
Overall Technical Score	145/155	152/155	137/155
Evaluated average rate of the Bid	83.37\$/hr	120\$/hr	100\$/hr
	Calculations		
Technical Merit Score	$145/155 \times 70 = 65.48$	$152/155 \times 70 = 68.65$	$137/155 \times 70 = 61.87$
Pricing Score	$83.11 / 83.11 \times 30 = 30$	$83.11 / 120 \times 30 = 20.78$	$83.11 / 100 \times 30 = 24.93$
Combined Rating	95.48	89.43	86.80
Overall Rating	1st	2rd	3rd

7.2 Example of calculation for the average rate:

Bidder 1

Labour categories	Hourly firm rate	Number of hours
Project Manager	100\$/hr	100 hrs
Main resource for task	80\$/hr	500 hrs

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3.1		
Main resource for task	85\$/hr	550 hrs
3.2		
Other (Additional resources for task 3.2)	65\$/hr	65 hrs
TOTAL of Item Labour		100 975\$

Number of proposed hours: $100 + 500 + 550 + 65 = 1\ 215$ hrs

Evaluated average rate: $100\ 975\$ / 1\ 215\text{hrs} = \mathbf{83.11\$/hr}$

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and associated 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 in carrying out any of its obligations under the Contract, 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" 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 Required Precedent to Contract Award

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 (2010-01-11), 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 (2014-06-26), Controlled Goods Program - Bid

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 _____, as and when requested by Canada during the period of the Contract. **(to be completed by Canada at contract award).**

1.1 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 (2014-09-25), 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 (2008-12-12), 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.

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SECURITY REQUIREMENT FOR CANADIAN SUPPLIER: PWGSC FILE # W7701-155905

1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid Designated Organization Screening (DOS), issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
2. The Contractor/Offeror personnel requiring access to PROTECTED information, assets or sensitive work site(s) must EACH hold a valid RELIABILITY STATUS, granted or approved by CISD/PWGSC.

Until the security screening of the Contractor/Offeror personnel required by this Contract/Standing Offer has been completed satisfactorily by the Canadian Industrial Security Directorate, Public Works and Government Services Canada, the Contractor/Offeror personnel **MAY NOT HAVE ACCESS** to (CLASSIFIED/PROTECTED) information or assets, and **MAY NOT ENTER** sites where such information or assets are kept, without an escort.

3. The Contractor/Offeror MUST NOT remove any PROTECTED information or assets from the identified work site(s), and the Contractor/Offeror must ensure that its personnel are made aware of and comply with this restriction.
4. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of CISD/PWGSC.
5. 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).

4. Term of Contract

4.1 Period of Contract

The Work is to be performed from date of Contract to March 31st, 2015.

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: 418-648-2209
E-mail address: josee.roy@tps-gc-pwgsc.gc.ca

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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 by Canada at contract award)*

The Technical Authority for the Contract is:

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

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 by Canada at contract award)*

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 **\$101 300.00**. Customs duties are included and Applicable Taxes are extra.

7.2 Financial Limitation

7.2.1 Limitation of Expenditure

1. Canada's total liability to the Contractor under the Contract for all authorized Task Authorizations (TAs), inclusive of any revisions, must not exceed the sum of **\$101 300.00**. Customs duties are included and Applicable Taxes are extra.
2. No increase in the total liability of Canada will be authorized or paid to the Contractor unless an increase has been approved, in writing, by the Contracting Authority.
3. The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:
 - (a) when it is 75 percent committed, or
 - (b) four (4) months before the contract expiry date, or
 - (c) as soon as the Contractor considers that the sum is inadequate for the completion of the Work required in all authorized TAs, inclusive of any revisions, whichever comes first.
4. If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority, a written estimate for the additional funds required. Provision of such information by the Contractor does not increase Canada's liability.

7.3 Method of Payment

7.3.1 Progress Payments

1. Canada will make progress payments in accordance with the payment provisions of the Contract, no more than once a month, for cost incurred in the performance of the Work up to 90 percent of the amount claimed and approved by Canada if:
 - (a) an accurate and complete claim for payment using form PWGSC-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 - Limitation of Expenditure or Ceiling Price

7.5 Discretionary Audit

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

8. Invoicing Instructions- Progress Claim

1. The Contractor must submit a claim for progress payment using form PWGSC-TPSGC 1111 (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/1111.pdf>), Claim for Progress Payment.

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;

Each claim must be supported by:

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

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

9. Certifications

9.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing associated information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the associated information, 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.

10. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____ **(to be inserted 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 (2014-09-25), 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) 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 (2008-05-12), Insurance

15. Controlled Goods Program

15.1 SACC Manual clause A9131C (2014-06-26), Controlled Goods Program - Contract

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

- (i) Is the project on schedule?
- (ii) Is the project within budget?
- (iii) Is the project free of any areas of concern in which the assistance or guidance of Canada may be required?

Each negative response must be supported with an explanation.

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

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

ATTACHMENT 1

FINANCIAL BID PRESENTATION SHEET

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

Note to bidders:

- a. The bidder must enter an hourly rate (including profit and overhead) for each proposed resource.
- b. The bidder must enter an estimated total number of hours for each proposed resource.

Labour Categories	Firm hourly rates for the following period:		
	Award to March 31, 2015	Number of estimated hours	Total estimated for the proposed resource
Project Manager Name: _____	_____ \$ / hour	_____ hours	_____ \$
Main Resource for task 3.1 Name: _____	_____ \$ / hour	_____ hours	_____ \$
Main Resource for task 3.2 Name: _____	_____ \$ / hour	_____ hours	_____ \$
Other... Name: _____	_____ \$ / hour	_____ hours	_____ \$
... Name: _____	_____ \$ / hour	_____ hours	_____ \$

2. **EQUIPMENT / MATERIALS AND SUPPLIES:** **Est.: \$ _____**
Specify what categories of equipment, materials and supplies.

3. **TRAVEL & LIVING:** **Est.: \$ _____**

The Contractor will be reimbursed its authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for profit and/or administrative overhead, in accordance with the meal, private vehicle and incidental expenses provided in Appendices B, C and D of the Treasury Board Travel Directive (http://www.tbs-sct.gc.ca/pubs_pol/hrpubs/TBM_113/td-dv_e.asp), and with the other provisions of the directive referring to "travellers", rather than those referring to "employees" are applicable.

All travel must have prior authorization of the Technical Authority. All payments are subject to government audit.

4. **SUBCONTRACTS (except the resources proposed in section 1. Labor):** **Est.: \$ _____**

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**TOTAL ESTIMATED COST TO A LIMITATION OF EXPENDITURE: 101 300.00\$
(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 cost does not exceed the aforementioned Limitation of expenditure.

ATTACHMENT 2

MANDATORY AND POINT RATED TECHNICAL CRITERIA

1. Mandatory technical criteria

At bid closing time, the bidder must comply with the following mandatory technical criteria and provide the necessary documentation to support his compliance. Any bid that does not meet one or more of the following mandatory technical criteria will be declared non-responsive.

- a) The bidder must propose one (1) resource for the project manager category.
- b) The bidder must propose one (1) main resource for the task 3.1 (see criterion 3.1.1).
- c) The bidder must propose one (1) main resource for the task 3.2 (see criterion 3.1.2).
- d) A main resource cannot be proposed for the task 3.1 and for the task 3.2.
- e) The proposed main resource for the task 3.1 must perform at least 50% of the hours of the task 3.1.
- f) The proposed main resource for the task 3.2 must perform at least 50% of the hours of the task 3.2.
- g) To ensure that the evaluation team can properly assess each evaluation criterion (mandatory and point rated), the bidder must clearly indicate the name of the following resources:
 - Project manager
 - Main resource for the task 3.1
 - Main resource for the task 3.2

The project manager can be proposed as main resource for the task 3.1 or the task 3.2.

2. Point rated technical criteria

DESCRIPTION	MAXIMUM SCORE	MINIMUM SCORE
1 - TECHNICAL PROPOSAL	50	25
2- MANAGEMENT PROPOSAL	32	16
3 – EXPERIENCE OF THE PERSONNEL DIRECTLY INVOLVED IN THE PROJECT	55	27
4 – BIDDER EXPERIENCE	18	9
TOTAL	155	77

DESCRIPTION	MAXIMUM SCORE	MINIMUM SCORE
1 - TECHNICAL PROPOSAL <i>For the criteria of this section, the scores shown are the maximum scores that can be given.</i> <i>Intermediate scores (0 to 10 points) may be given depending on the degree of success of the bidder. This score will be then weighted according to the rating scale of the evaluated criterion to determine the</i>	50	25

<p><i>total score for each criterion.</i></p> <p><i>The generic assessment table included at the end of this Appendix will be used in the evaluation.</i></p>		
1.1 - UNDERSTANDING OF OBJECTIVES AND REQUIRED TECHNICAL WORK		
<p>The bidder should clearly demonstrate that he understands the objectives, tasks and specificities of the project.</p> <p>The generic assessment table will be used to determine the score for this criterion.</p>	10	
1.2 – THECHNICAL STRATEGY AND METHODOLOGY PROPOSED		
<p>The bidder should clearly present the technical strategy and methodology that he proposes. The technical strategy and methodology should be consistent, relevant for the realization of the project, complete and realistic. Innovation will also be evaluated.</p> <p>a. Compliance with the requirements of the Statement of Work (3 pts) b. Complete and realistic technical strategy and methodology (3 pts) c. Innovative technical strategy and methodology (4 pts)</p> <p>The generic assessment table will be used to determine the scores for the sub-criteria.</p>	10	
1.3 – IDENTIFICATION OF THE RISK ELEMENTS		
<p>The bidder should clearly describe the elements of each task (Tasks 3.1 and 3.2 of the SOW) that he deems at risk and propose a mitigation plan that will allow attaining the task objectives.</p> <p>a. The identified risks should be relevant (5 pts) b. The risk mitigation plan should be realistic (5 pts)</p> <p>The generic assessment table will be used to determine the scores for the sub-criteria.</p>	10	
1.4 - ALLOCATION OF RESOURCES		
1.4.1 - Allocation of resources		
<p>The bidder should assign each of the proposed resources to the different tasks (Tasks 3.1 and 3.2 of the SOW). The level of effort associated to each resource should be realistic. Resources should be assigned to tasks corresponding to their field of expertise.</p> <p>The generic assessment table will be used to determine the score for this criterion.</p>	10	
1.4.2 - Allocation of efforts		
<p>The bidder should propose a timetable for the work to do, in which he proposes a level of effort by task (Tasks 3.1 and 3.2 of the SOW). The level of effort allocated to each task (Tasks 3.1 and 3.2 of the SOW) should be appropriate and realistic.</p>	10	

The generic assessment table will be used to determine the score for this criterion.		
<p>2- MANAGEMENT PROPOSAL <i>For the criteria of this section, the scores shown are the maximum scores that can be given.</i></p> <p><i>Intermediate scores (0 to 10 points) may be given depending on the degree of success of the bidder. This score will be then weighted according to the rating scale of the evaluated criterion to determine the total score for each criterion.</i></p> <p><i>The generic assessment table included at the end of this Appendix will be used in the evaluation.</i></p>	32	16
2.1 - PROJECT CONTROL		
<p>The bidder should present the techniques of project control that he will use, and his system of resource management.</p> <p>a. Use of relevant project control techniques (8 pts) b. Use of an efficient system for resource management (8 pts)</p> <p>The generic assessment table will be used to determine the scores for the sub-criteria.</p>	16	
2.2 - EDUCATION AND MANAGEMENT EXPERIENCE OF THE PROJECT MANAGER		
<p>To be accepted by the evaluation team, the diploma must be a diploma from a recognized* Canadian university or college, or the equivalent as established by a recognized* Canadian academic credentials assessment service, if the diploma was obtained outside Canada.</p> <p>* The list of recognized organizations can be found under the Canadian Information Centre for International Credentials website, at the following internet link: http://www.cicic.ca</p> <p><i>Only the diploma providing him with the highest score will be considered.</i></p> <p>a. The project manager has a university diploma (4 pts for a PhD, 3 pts for a Master, 2 pts for a bachelor's degree and 1 pt for a certificate) b. The project manager has ten (10) years of experience in R&D project management (6 pts; subtracting one point for each year of experience missing) c. The project manager has ten (10) years of experience in management of technical human resources (6 pts; subtracting one point for each year of experience missing)</p>	16	
3 – EXPERIENCE OF THE PERSONNEL DIRECTLY INVOLVED IN THE PROJECT	55	27
3.1 – EXPERIENCE OF THE PROPOSED RESOURCES		
<p><i>The sub-criteria 3.1.1 and 3.1.2, aim to evaluate the experience of the main resource of the task 3.1 (Development of a generic endo-atmospheric interceptor model in the Simulink environment) and the experience the main resource of the task 3.2 (Modeling and validation of</i></p>		

<p>an attitude estimator in the Simulink environment).</p> <p><i>The bidder should demonstrate in his proposal that the proposed resources have experience in relevant projects by providing the following information:</i></p> <ul style="list-style-type: none"> - Enter the title of the project and the contract number, if applicable; - Describe the various tasks realized by the resource; - Enter the start date and end date when the resource has participated in the project (insert month and year). <p><i>The sub-criteria 3.1.1 and 3.1.2 will be evaluated using the following method:</i></p> <ul style="list-style-type: none"> - Less than 6 months of experience: 0 point; - 6 months or more, but less than 1 year of experience: a quarter of the indicated points; - 1 year or more, but less than 18 months of experience: half of the indicated points; - 18 months or more, but less than 2 years of experience: three-quarters of the indicated points; - 2 or more years of experience: all points. 		
<p>3.1.1 – Experience of the main resource in the fields of the task 3.1 (Development of a generic endo-atmospheric interceptor model in the Simulink environment).</p> <ul style="list-style-type: none"> a. Experience in Guidance, Navigation and Control (GNC) of weapons (6 pts) b. Experience in Modeling and Simulation (M&S) of weapons with Matlab and Simulink (3 pts) c. Experience in modeling of weapon sensors and actuators (3 pts) d. Experience in modeling of weapon propulsion systems (3 pts) e. Experience in weapon aerodynamics modeling (3 pts) f. Experience in development of firing solution optimization algorithms for weapons (3 pts) g. Experience in preparation and execution of weapon parametric studies and sensitivity analyses (3 pts) 	24	
<p>3.1.2 – Experience of the main resource in the fields of the task 3.2 (Modeling and validation of an attitude estimator in the Simulink environment).</p> <ul style="list-style-type: none"> a. Experience in designing and building experimental test beds (3 pts) b. Experience in modeling of satellite navigation receivers (3 pts) c. Experience in attitude estimation using satellite navigation receivers (6 pts) d. Experience in Modeling and Simulation (M&S) with Matlab and Simulink (3 pts) 	15	
3.2 – EDUCATION OF PROPOSED RESOURCES		
<p><i>For criterion 3.2, the two resources evaluated in 3.1 will be evaluated again. For each of the two resources, only the diploma providing him with the highest score will be considered.</i></p> <p>To be accepted by the evaluation team, the diploma must be a diploma</p>	16	

<p>from a recognized* Canadian university or college, or the equivalent as established by a recognized* Canadian academic credentials assessment service, if the diploma was obtained outside Canada.</p> <p>* The list of recognized organizations can be found under the Canadian Information Centre for International Credentials website, at the following internet link: http://www.cicic.ca</p> <p><i>The score will be given according to the method indicated below:</i></p> <p>8 points: Doctorate in electrical engineering or mechanical engineering or physics engineering 7 points: Doctorate in other field of engineering 6 points: Doctorate in mathematics or physics 0 points: Doctorate in any other field</p> <p>7 points: Master's degree in electrical engineering or mechanical engineering or physics engineering 6 points: Master's degree in other field of engineering 5 points: Master's degree in mathematics or physics 0 point: Master's degree in any other field</p> <p>6 points: Bachelor's degree in electrical engineering or mechanical engineering or physics engineering 5 points: Bachelor's degree in other field of engineering 4 points: Bachelor's degree in mathematics or physics 0 point: Bachelor's degree in any other field</p> <p>5 points: Other certificate in electrical engineering or mechanical engineering or physics engineering 4 points: Other certificate in other field of engineering 3 points: Other certificate in mathematics or physics 0 point: Other certificate in any other field</p> <p>Education of the main resource for the task 3.1 (Development of a generic endo-atmospheric interceptor model in the Simulink environment) (maximum 8 pts). Education of the main resource for the task 3.2 (Modeling and validation of an attitude estimator in the Simulink environment) (maximum 8 pts).</p>		
4 – BIDDER EXPERIENCE	18	9
4.1 - EXPERIENCE IN CARRYING OUT DEFENCE R&D PROJECTS		
<p>Bidder experience in carrying out defence R&D projects for the last ten (10) years. To demonstrate that he meets this criterion, the bidder should present the relevant projects he has carried out. Without limitation, the bidder should provide the following information:</p> <ul style="list-style-type: none"> - The title of the project and the contract number, if applicable; - The start date and end date of the project (insert month and year); - Enter the main tasks carried out under the project. <p>18 pts: The bidder has at least 10 years of experience; 15 pts: The bidder has over 8 years of experience, but less than 10; 12 pts: The bidder has over 6 years of experience, but less than 8;</p>	18	

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9 pts: The bidder has over 4 years of experience, but less than 6; 0 pt: The bidder has less than 4 years of experience.		
TOTAL	155	77

The generic assessment table

Non-responsive	Extremely weak	Very weak	Weak	Acceptable	Average	Above average	Exceptional
0 points	1-2 points	3-4 points	5 points	6 points	7-8 points	9 points	10 points
Did not submit information which could be evaluated	Does not meet requirements	Generally does not meet requirements	Lack of details	Just meets requirements	Meets requirements	Exceeds requirements	Far exceeds requirements
	Weaknesses cannot be corrected	Generally doubtful that weaknesses can be corrected	Weaknesses can be corrected	Weaknesses can be easily corrected	No significant weaknesses	No apparent weaknesses	No weaknesses
	Unacceptable	Extremely weak; insufficient to meet performance requirements	Little capability to meet performance requirements	Minimum acceptability; should meet minimum performance requirements	Average acceptability; should be adequate for effective results	Superior capability; should ensure effective results	Exceptional capability; should ensure extremely effective results

ANNEX A

STATEMENT OF WORK

1. General

1.1 Title

Modeling of weapons systems

1.2 Objectives

Development of a generic endo-atmospheric interceptor model in the Simulink environment; and modeling and validation of an attitude estimator in the Simulink environment.

1.3 Background

The Weapons Systems Section of DRDC Valcartier has developed, over the years, a specialized Matlab/Simulink library for modeling and simulation of complex weapons systems. The required work will largely be made from this library. In addition, the Weapons Systems Section of DRDC Valcartier has specific software tools for weapons aerodynamics modeling. These tools will also be required to perform the work.

This contract follows two tasks performed within a task authorization contract. It is therefore linked to some work already done under the contract below:

Number of the task authorization contract: W7701-103842 / 001 / QCA

Title of the task authorization contract: Analytical, numerical and experimental guidance, navigation and control technologies investigations for precision weapons, unmanned autonomous systems, and satellite launchers.

Contractor who performed this task authorization contract: Numerica Technologies Inc.

1.4 Acronyms

DRDC	Defence Research and Development Canada
MS	Microsoft

2. APPLICABLE DOCUMENTS (references)

No applicable document

3. SCOPE OF THE WORK

3.1 Development of a generic endo-atmospheric interceptor model in the Simulink environment

The contractor must:

- 3.1.1 Search in the open literature, information (operation, characteristics, specifications, etc.) on an endo-atmospheric interceptor identified by the Weapons Systems Section of DRDC Valcartier.
- 3.1.2 Estimate the aerodynamic coefficients of the interceptor with DATCOM, which is a software provided by the Weapons Systems Section of DRDC Valcartier.
- 3.1.3 Estimate the masses, with and without propellant, of all interceptor stages.
- 3.1.4 Estimate the moments of inertia and the position of the center of gravity, as a function of the time elapsed from the launch, for all interceptor flight configurations.
- 3.1.5 Estimate the characteristics (nozzle exit area, efficiency, burn time, thrust, position relative to the nose of the interceptor, etc.) of each interceptor engine.
- 3.1.6 Identify and characterize the sensors and actuators required to operate the interceptor, and develop Simulink models of them if they are not provided by the Weapons Systems Section of DRDC Valcartier. The actuator maximum deflections must be modelled.
- 3.1.7 Modify and parameterize a generic Simulink model of exo-atmospheric interceptor, provided by the Weapons Systems Section of DRDC Valcartier, to represent the generic endo-atmospheric interceptor understudy.
- 3.1.8 Implement the required guidance and control algorithms on the generic interceptor Simulink model obtained in 3.1.7 so that it can simulate interceptions. Make sure the autopilot is able to manage the actuator saturations.
- 3.1.9 Develop and implement a firing solution optimization algorithm for the generic endo-atmospheric interceptor understudy. Design the algorithm so that it is also able to indicate the available engagement time window. The firing solution optimization algorithm must use data provided by a generic Simulink model simulating a target tracking radar. The generic Simulink model of the tracking radar will be provided by the Weapons Systems Section of DRDC Valcartier.
- 3.1.10 Add to the firing solution optimization algorithm a function to update, continuously, the trajectory of the interceptor according to the actualized target position and velocity generated by the tracking radar.
- 3.1.11 Validate, in simulation, that the algorithms implemented in 3.1.8 and 3.1.9 allow to realize endo-atmospheric interception with the generic interceptor Simulink model obtained in 3.1.7. Make sure that the speed and range of the interceptor correspond to those found in the open literature. A generic target Simulink model will be provided by the Weapons Systems Section of DRDC Valcartier.
- 3.1.12 Prepare and conduct parametric studies and sensitivity analyses with the generic interceptor Simulink model validated in 3.1.11, following the guidelines of the Scientific Authority of DRDC Valcartier.
- 3.1.13 Determine, through simulations, the efficiency envelope (minimum and maximum ranges, interception altitude limits, length of engagement time windows, efficient locations of the tracking radar, intercepted target trajectories, etc.) of the generic interceptor validated 3.1.11.
- 3.1.14 Identify the key performance parameters of the generic interceptor validated 3.1.11.
- 3.1.15 Prepare a final report summarizing all work done in 3.1.
- 3.1.16 Prepare a PowerPoint presentation that outlines the objectives, the developed generic model and the main results of task 3.1.

3.2 Modeling and validation of an attitude estimator in the Simulink environment

The contractor must:

- 3.2.1 Develop a generic Simulink model of a satellite navigation receiver, equipped with multiple antennas, which estimates the attitude of the object on which it is placed. The attitude estimation must be performed without inertial and magnetic sensors.
- 3.2.2 Determine, through Simulink simulations, the performance (accuracy, response time, stability and robustness) that could be obtained by a satellite navigation receiver,

equipped with multiple antennas, on a small arm in order to monitor its attitude over time.

- 3.2.3 Build the experimental test bed of a satellite navigation receiver equipped with multiple antennas to estimate the attitude of an object.
- 3.2.4 Validate the performance obtained in 3.2.2 with the test bed built in 3.2.3.

4. REPORTS AND OTHER DELIVERABLES

Two reports must be delivered. The reports must be written in English and delivered in only one printed and bound copy. A MS Word version must be included with each report. The presentation format of these reports must comply with DRDC standards. These standards are available through the project's Technical Authority.

All programs, models, libraries and software, developed in the course of this project, must be documented, commented and delivered to DRDC Valcartier in numerical format on CD or DVD.

An English MS PowerPoint presentation must be also delivered to DRDC Valcartier. The presentation must be in accordance with DRDC standards. These standards are available through the project's Technical Authority.

An experimental test bed of a satellite navigation receiver equipped with multiple antennas to estimate the attitude of an object must be delivered with a user manual to DRDC Valcartier.

4.1 Reports and other deliverables

The first report must present the work done, the models generated and the results obtained in the task 3.1. The second report must present the work done, the model generated, the test bed built and the results obtained in the task 3.2. All models generated in this project must be properly documented in the reports delivered to DRDC Valcartier.

The MS PowerPoint presentation must outline the objectives, the generic endo-atmospheric model and the main results of the task 3.1.

The user manual must be written so that a person, who has not participated in the project, can understand and use it to operate the experimental test bed efficiently.

All deliverables must be provided to the Technical Authority for March 31, 2015.

4.2 Publications

Any manuscript for publication in magazines, newspapers or other, including presentation summaries or other types of publication, must be submitted to the Technical Authority for revision and approval at least ninety (90) days before the date of the presentation or publication. An explicit reference regarding federal government funding must be included, and it must be clearly mentioned that the content is the authors' responsibility. The Technical Authority will provide a written objection if there are specific elements (e.g. audience) that are not in the federal government's best interests. If the Technical Authority objects in writing, he/she shall send the written objection to the organization responsible for publication (the newspaper or conference).

5. MEETINGS

The status of the project will be reviewed through regular two weeks meetings or conference calls to discuss progress, resolve critical technical problems and plan future work. In the meetings case, they will be held at DRDC Valcartier or contractor office at a convenient time for both parties. A record of decisions of the progress review meeting will be provided to the technical authority by the contractor no later than 3 days after the meeting.

6. GOVERNMENT SUPPLIED MATERIAL

No supplied material

7. GOVERNMENT FURNISHED EQUIPMENT

The contractor will have access to the following software and models to perform the work requested:

- DATCOM software
- Generic Simulink model of exo-atmospheric interceptor
- Generic Simulink model of target tracking radar
- Generic target Simulink model
- Generic accelerometer Simulink model
- Generic gyroscope Simulink model

Equipment will be provided to the contractor that the work is done on the premises of the contractor or DRDC Valcartier.

8. SPECIAL CONSIDERATIONS

The proposed main resource for the task 3.1 must perform at least 50% of the hours of the task 3.1.

The proposed main resource for the task 3.2 must perform at least 50% of the hours of the task 3.2.

9. WORK LOCATION

It would be preferable, but not required, that the work is carried out on site at DRDC Valcartier.

It is also possible for the contractor to perform some work on site at DRDC Valcartier and the balance in its offices. In this case, the contractor may, as needed, bring out and return the equipment provided by the Government.

ANNEX B

BASIS OF PAYMENT

(to be completed by Canada at Contract award)

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

Note to bidders:

- c. The bidder must enter a hourly rate (including profit and overhead) for each proposed resource.
d. The bidder must enter an estimated total number of hours for each proposed resource.

Labour Categories	Firm hourly rates for the following period:		
	Award to March 31, 2015	Number of estimated hours	Total estimated for the proposed resource
Project Manager Name: _____	_____ \$ / hour	_____ hours	_____ \$
Main Resource for task 3.1 Name: _____	_____ \$ / hour	_____ hours	_____ \$
Main Resource for task 3.2 Name: _____	_____ \$ / hour	_____ hours	_____ \$
Other... Name: _____	_____ \$ / hour	_____ hours	_____ \$
... Name: _____	_____ \$ / hour	_____ hours	_____ \$

2. **EQUIPMENT / MATERIALS AND SUPPLIES:** **Est.: \$ _____**

3. **TRAVEL & LIVING:** **Est.: \$ _____**

The Contractor will be reimbursed its authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for profit and/or administrative overhead, in accordance with the meal, private vehicle and incidental expenses provided in Appendices B, C and D of the Treasury Board Travel Directive (http://www.tbs-sct.gc.ca/pubs_pol/hrpubs/TBM_113/td-dv_e.asp), and with the other provisions of the directive referring to "travellers", rather than those referring to "employees" are applicable.

All travel must have prior authorization of the Technical Authority. All payments are subject to government audit.

4. **SUBCONTRACTS (except the resources proposed in section 1. Labor):**
Est.: \$ _____

Solicitation No. - N° de l'invitation
W7701-155905/A
Client Ref. No. - N° de réf. du client
W7701-155905

Amd. No. - N° de la modif.
File No. - N° du dossier
QCL-4-37145

Buyer ID - Id de l'acheteur
qcl028
CCC No./N° CCC - FMS No./N° VME

TOTAL ESTIMATED COST TO A LIMITATION OF EXPENDITURE: 101 300.00\$
(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 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
W7701-155905/A
Client Ref. No. - N° de réf. du client
W7701-155905

Amd. No. - N° de la modif.
File No. - N° du dossier
QCL-4-37145

Buyer ID - Id de l'acheteur
qcl028
CCC No./N° CCC - FMS No./N° VME

ANNEX D
SECURITY REQUIREMENTS CHECK LIST

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



**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 DND		2. Branch or Directorate / Direction générale ou Direction DRDC Valcartier	
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 MODELING OF WEAPONS SYSTEMS / MODÉLISATION DE SYSTÈMES D'ARMES			
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 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: Specify country(ies): / Préciser le(s) pays: <input type="checkbox"/>	Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays: <input type="checkbox"/>	Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays: <input type="checkbox"/>	
7. c) Level of information / Niveau d'information			
PROTECTED A / PROTÉGÉ A <input checked="" type="checkbox"/>	NATO UNCLASSIFIED <input type="checkbox"/>	PROTECTED A / PROTÉGÉ A <input type="checkbox"/>	
PROTECTED B / PROTÉGÉ B <input type="checkbox"/>	NATO NON CLASSIFIÉ <input type="checkbox"/>	PROTECTED B / PROTÉGÉ B <input type="checkbox"/>	
PROTECTED C / PROTÉGÉ C <input type="checkbox"/>	NATO RESTRICTED / NATO DIFFUSION RESTREINTE <input type="checkbox"/>	PROTECTED C / PROTÉGÉ C <input type="checkbox"/>	
CONFIDENTIAL / CONFIDENTIEL <input type="checkbox"/>	NATO CONFIDENTIAL / NATO CONFIDENTIEL <input type="checkbox"/>	CONFIDENTIAL / CONFIDENTIEL <input type="checkbox"/>	
SECRET <input type="checkbox"/>	NATO SECRET <input type="checkbox"/>	SECRET <input type="checkbox"/>	
TOP SECRET / TRÈS SECRET <input type="checkbox"/>	COSMIC TOP SECRET / COSMIC 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"/>	



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 FIABILITE | <input type="checkbox"/> CONFIDENTIAL
CONFIDENTIEL | <input 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 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 :

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?
 Dans l'affirmative, le personnel en question sera-t-il escorté? No / Non Yes / 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 / 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



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 / CONFIDENTIEL	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).