

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
T.P.S.G.C./P.W.G.S.C.
Gare maritime Champlain
901, Cap-Diamant
Québec
Québec
G1K 4K1

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 Technical support navigation contro	
Solicitation No. - N° de l'invitation W7701-103842/A	Date 2011-06-09
Client Reference No. - N° de référence du client W7701-10-3842	
GETS Reference No. - N° de référence de SEAG PW-\$QCL-026-13828	
File No. - N° de dossier QCA-1-34007 (026)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2011-06-28	
Time Zone Fuseau horaire Heure Avancée de l'Est HAE	
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes	
Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Gallant, Julie	Buyer Id - Id de l'acheteur qcl026
Telephone No. - N° de téléphone (418) 649-2931 ()	FAX No. - N° de FAX (418) 648-2209
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: R & D POUR LA DÉFENSE CANADA VALCARTIER BATIMENT 53 2459 BLVD PIE XI NORD 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

T.P.S.G.C./P.W.G.S.C.
Gare maritime Champlain
901, Cap-Diamant
Québec
Québec
G1K 4K1

Delivery Required - Livraison exigée See Herein	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

TITRE: ANALYTICAL, NUMERICAL AND EXPERIMENTAL GUIDANCE, NAVIGATION AND CONTROL TECHNOLOGIES INVESTIGATIONS FOR PRECISION WEAPONS, UNMANNED AUTONOMOUS SYSTEMS, AND SATELLITE LAUNCHERS

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W7701-103842/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

qcl026

Client Ref. No. - N° de réf. du client

W7701-10-3842

File No. - N° du dossier

QCA-1-34007

CCC No./N° CCC - FMS No/ N° VME

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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, if applicable, and the basis of selection;
- Part 5 Certifications: includes the certifications to be provided;
- Part 6 Security, Financial and Other Requirements: includes specific requirements that must be addressed by bidders; and
- Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The annexes include:

- Annex A Statement of Work
- Annex B Basis of Payment
- Annex C Contractor Disclosure of Foreground Information
- Annex D DND626 form, Task Authorization
- Annex E Security Requirements Check List

2. Summary

The contractor will provide specialized technical support in the area of guidance, navigation and control for precision weapons, satellite launchers, and unmanned aerial systems. The work to be performed will involve literature reviews, analytical developments, numerical modeling, simulations experimentations, data analysis and system design, as well as design, installation and commissioning of local experimental facilities. The Work to be performed will be on an "as and when requested basis" using a Task Authorization.

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

The period of the Contract is from date of Contract to March 31st, 2015, inclusive.

All the work is to be carried out on site at Defence Research and Development Canada - Valcartier, located at 2459 Pie-XI Blvd North, Quebec City, Quebec.

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.

The resulting contract will be a Task Authorisation contract. The Maximum Contract Value is \$950,000.00 CDN and the Minimum Contract Value" is 10% of the maximum Contract Value.

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](#)" document on the Departmental Standard Procurement Documents Web site.

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

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

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* (<http://sacc.pwgsc.gc.ca/sacc/index-e.jsp>) 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 (2011-05-16) 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 by the date, time and place indicated on page 1 of the bid solicitation.

Due to the nature of the bid solicitation, **bids transmitted by facsimile or/and e-mail to PWGSC will not be accepted.**

3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority at julie.gallant@tpsgc-pwgsc.gc.ca no later than five (5) calendar days before the bid closing date. Enquiries received after that time may not be answered.

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

4. 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.

5. Basis for Canada's Ownership of Intellectual Property

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.

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

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

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

Section I : Technical Bid (5 hard copies)
Section II : Financial Bid (2 hard copies)
Section III : Certifications (1 hard copie)

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

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

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use 30% recycled paper;
- (c) print double sided (duplex printing);
- (d) use a numbering system that corresponds to the bid solicitation; and
- (e) submit bound bids using cerlox, staples, etc., but no binders.

1.1 Section I : Technical Bid

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

The technical bid should 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.

1.2 Section II : Financial Bid

Bidders must submit their financial bid in accordance with the Attachment 1, *Financial Bid Presentation sheet*.

1.2.1 SACC Manual Clauses

C3011T (2010-01-11), Exchange Rate Fluctuation

1.3 Section III : Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

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

1.1 Technical Evaluation

1.1.1 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

The Bidder must submit firm rates for each category of resources listed in article 1 of Attachment 1 - *Financial bid presentation sheet*, for the contract period. GST/HST excluded, FOB Destination (for goods), all applicable customs duty and excise taxes included

1.2.2 Evaluation of Price

The price of the bid will be evaluated in Canadian dollars, the Goods and Services Tax or the Harmonized Sales Tax excluded, FOB destination, Canadian customs duties and excise taxes included.

For evaluation purposes only, the price of the bid will be determined as detailed in Attachment 3, *Evaluation of Price*.

2. Basis of Selection

2.1 Basis of Selection - Lowest Evaluated Price Per Point

1. To be declared responsive, a bid must:
 - (a) comply with all the requirements of the bid solicitation;
 - (b) meet all mandatory technical evaluation criteria;
 - (c) obtain the required minimum points for each criterion and each group of criteria with a pass mark; and
 - (d) obtain the required minimum points overall for the technical evaluation criteria which are subject to point rating.

Bids not meeting (a) or (b) or (c) or (d) will be declared non-responsive. Neither the responsive bid that receives the highest number of points nor the one that proposed the lowest price will necessarily be accepted. The responsive bid with the lowest evaluated price per point will be recommended for award of a contract. The evaluated price per point will be determined by dividing the evaluated price of the bid by the number of points obtained for the point rated technical evaluation criteria.

In the event that two or more responsive bids have the same lowest evaluated price per point, the responsive bid which obtained the highest number of points overall for the point rated technical evaluation criteria will be recommended for award of a contract.

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications to be awarded a contract. Canada will declare a bid non-responsive if the required certifications are not completed and submitted as requested.

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify the bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

1. Certifications Precedent to Contract Award

The certifications in Attachment 4, Certifications Precedent to Contract Award, should be completed and submitted with the bid but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

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.

2. 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 Web site.

2. Financial Capability

SACC Manual clause A9033T (2011-05-16), Financial Capability

3. Controlled Goods Requirement

SACC Manual clause A9130T (2008-12-12), 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 _____.

1.1 Task Authorization

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

1.1.1 Task Authorization Process :

1.The DND Procurement Authority will provide the Contractor with a description of the task using the DND626 form - Task Authorization specified in Annex D.

2.The Task Authorization (TA) will contain the details of the activities to be performed, a description of the deliverables, and a schedule indicating completion dates for the major activities or submission dates for the deliverables. The TA will also include the applicable basis(bases) and methods of payment as specified in the Contract.

3.The Contractor must provide the DND Procurement Authority, within 10 calendar days of its receipt, the proposed total estimated cost for performing the task and a breakdown of that cost, established in accordance with the Basis of Payment specified in the Contract.

4.The Contractor must not commence work until a TA, authorized by the DND Procurement Authority has been received by the Contractor. The Contractor acknowledges that any work performed before a TA has been received will be done at the Contractor's own risk.

1.1.2 Task Authorization Limit

The DND Procurement Authority may authorize individual task authorizations up to a limit of **\$70,000.00**, Goods and Services Tax or Harmonized Sales Tax included, inclusive of any revisions.

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

1.1.3 Department of National Defence

The administration of the Task Authorization process will be carried out by Defence Research and Development Canada - Valcartier (DRDC - Valcartier). This process includes monitoring, controlling and reporting on expenditures of the contract with task authorizations to the Contracting Authority.

1.2 Disclosure Certification

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

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* (<http://ccua-sacc.tpsgc-pwgsc.gc.ca/pub/acho-eng.jsp>) Manual issued by Public Works and Government Services Canada.

2.1 General Conditions

2040 (2011-05-16), 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

1. The Contractor must, at all times during the performance of the Contract, 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 personnel requiring access to sensitive work site(s) must EACH hold a valid RELIABILITY STATUS, granted or approved by CISD/PWGSC.

3. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of CISD/PWGSC.

4. The Contractor must comply with the provisions of the:

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

4. Term of Contract

4.1 Period of Contract

The period of the Contract is from date of Contract to 31 March 2015 inclusive.

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Julie Gallant

Public Works and Government Services Canada
Acquisitions Branch
Champlain Maritime Harbour
901, Cap Diamand
Quebec, Quebec, Canada
G1K 4K1

Telephone: 418-649-2931
Facsimile: 418-648-2209
E-mail address: julie.gallant@tpsgc-pwgsc.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

The Technical Authority for the Contract is: ***(to be completed at Contract award)***

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.

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5.3 Contractor's Representative

Administrative representative :

Technical representative :

Name : _____

Name : _____

Telephone : _____

Telephone : _____

Facsimile : _____

Facsimile : _____

Email : _____

Email : _____

5.4 DND Procurement Authority

The DND Procurement Authority for the Contract is: ***(to be completed at Contract award)***

Name : _____

Title : _____

Organization : _____

Address : _____

Telephone: _____

Facsimile: _____

E-mail address: _____

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

6. Payment

6.1 Basis of Payment

One of the following types of basis of payment will form part of the approved Task Authorization (TA). The task price must be determined in accordance with the Basis of Payment at Annex B.

(a) Firm Price TA

In consideration of the Contractor satisfactorily completing all of its obligations under the approved TA, the Contractor will be paid the firm price stipulated in the TA. Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

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

(b) Ceiling Price TA

The Contractor will be reimbursed its costs reasonably and properly incurred in the performance of the Work, as determined in accordance with the Basis of Payment in Annex B, to the ceiling price specified in the approved TA. Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

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

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

(c) TA subject to a Limitation of Expenditure

The Contractor will be reimbursed for the costs reasonably and properly incurred in the performance of the Work, as determined in accordance with the Basis of Payment in Annex B, to the limitation of expenditure specified in the approved TA. Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

Canada's liability to the Contractor must not exceed the limitation of expenditure specified in the approved TA. No increase in the liability of Canada or in the price of the Work resulting from any design changes, modifications or interpretations of the Work, will be authorized or paid to the Contractor unless these design changes, modifications or interpretations have been approved, in writing, by the DND Procurement Authority before their incorporation into the Work. The Contractor must not perform any work or provide any service that would result in Canada's liability being exceeded before obtaining the written approval of the DND Procurement Authority. The Contractor must notify the DND Procurement Authority in writing as to the adequacy of this sum:

- (i) when it is 75 percent committed, or
- (ii) four (4) months before the final delivery date specified in the TA, or
- (iii) as soon as the Contractor considers that the funds provided are inadequate for the completion of the Work,

whichever comes first.

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

6.2 Minimum Work Guarantee - All the Work - Task Authorizations

1. In this clause,

"Maximum Contract Value" means the amount specified in the "Limitation of Expenditure - Cumulative Total of all Task Authorizations" clause set out in the Contract; and

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

2. Canada's obligation under the Contract is to request Work in the amount of the Minimum Contract Value or, at Canada's option, to pay the Contractor at the end of the Contract in accordance with

paragraph 3. In consideration of such obligation, the Contractor agrees to stand in readiness throughout the Contract period to perform the Work described in the Contract. Canada's maximum liability for work performed under the Contract must not exceed the Maximum Contract Value, unless an increase is authorized in writing by the Contracting Authority.

3. In the event that Canada does not request work in the amount of the Minimum Contract Value during the period of the Contract, Canada must pay the Contractor the difference between the Minimum Contract Value and the total cost of the Work requested.

4. Canada will have no obligation to the Contractor under this clause if Canada terminates the Contract in whole or in part for default.

6.3 Limitation of Expenditure - Cumulative Total of all Task Authorizations

1. Canada's total liability to the Contractor under the Contract for all approved Task Authorizations (TAs), inclusive of any revisions, must not exceed the sum of **\$950,000.00**. Customs duties are included and the Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

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,
- (c) as soon as the Contractor considers that the sum is inadequate for the completion of the Work required in all approved 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.

6.4 Method of Payment

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

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

6.4.1 Single Payment

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

- (a) an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;

-
- (b) all such documents have been verified by Canada;
 - (c) the Work delivered has been accepted by Canada.

6.4.2 Milestone Payments (For a Firm Price TA)

Canada will make milestone payments in accordance with the Schedule of Milestones detailed in the Task Authorization and the payment provisions of the Contract if:

- (a) an accurate and complete invoice, and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- (b) all work associated with the milestone and as applicable any deliverable required has been completed and accepted by Canada.

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

- (a) Canada will make progress payments in accordance with the payment provisions of the Task Authorization and the Contract for cost incurred in the performance of the Work up to 90 percent of the amount claimed and approved by Canada if:
 - (i) an accurate and complete invoice and any other document required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
 - (ii) the amount claimed is in accordance with the Basis of payment and the Task Authorization;
 - (iii) the total amount for all progress payments paid by Canada does not exceed 90 percent of the total amount to be paid under the Task Authorization.
- (b) The balance of the amount payable will be paid in accordance with the payment provisions of the Task Authorization and the Contract upon completion and delivery of all work required under the Task Authorization if the Work has been accepted by Canada and a final claim for the payment is submitted.
- (c) Progress payments are interim payments only. Canada may conduct a government audit and interim time and cost verifications and reserves the right to make adjustments to the Contract from time to time during the performance of the Work. Any overpayment resulting from progress payments or otherwise must be refunded promptly to Canada.

6.5 SACC Manual Clauses

A9117C (2007-11-30), T1204 - Direct Request by Customer Department
C0305C (2008-05-12), Cost Submission

6.6 Discretionary Audit

C0705C (2010-01-11), Discretionary Audit

7. Invoicing Instructions - Progress Claim

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

Each claim must show:

- (a) all information required on form PWGSC-TPSGC 1111;
- (b) all applicable information detailed under the section entitled "Invoice Submission" of the general conditions;
- (c) the Task Authorization (TA) number;
- (d) the description of the milestone invoiced, as applicable.

2. For TAs subject to a Limitation of Expenditure or a Ceiling Price, each invoice must be supported by:

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

3. Goods and Services Tax (GST) or Harmonized Sales Tax (HST), as applicable, 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 GST/HST payable as it was claimed and payable under the previous claims for progress payments.

4. The Contractor must prepare and certify one original and two (2) copies of the claim on form PWGSC-TPSGC 1111, and forward it to the following address for certification.

Att: Suzanne Larrivée
Public Works and Government Services Canada
Champlain Harbour Station
901, Cap Diamant, room 240
Québec, Québec
G1K 4K1

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.

8. Certifications

Compliance with the certifications 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 or 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.

8.1 SACC Manual Clauses

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

9. 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)**.

10. 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 (2011-05-16), 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, DND626 form, Task Authorization;
- (h) Annex E, Security Requirements Check List
- (i) the signed Task Authorizations (including all of its annexes, if any);
- (j) the Contractor's bid dated _____

11. Defence Contract

SACC Manual clause A9006C (2008-05-12), Defence Contract

12. Foreign Nationals

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

13. Insurance

SACC Manual clause G1005C (2008-05-12), Insurance

14. Controlled Goods Program

SACC Manual clause A9131C (2008-12-12), Controlled Goods Program

SACC Manual clause B4060C (2008-05-12), Controlled Goods

15. 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.

16. Identification Badge

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

17. 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.

ANNEX A

STATEMENT OF WORK

1. GENERAL

Title

Analytical, Numerical and Experimental Investigations of Precision Weapons, Unmanned Systems, and Satellite Launchers Guidance, Navigation and Control Technologies

Objective

The contractor will provide DRDC Valcartier, Precision Weapons Section with specialized technical support in the area of guidance, navigation and control for precision weapons, satellite launchers, and unmanned aerial systems. The work to be performed will involve literature reviews, analytical developments, numerical modeling, simulations experimentations, data analysis and system design, as well as design, installation and commissioning of local experimental facilities. The nature of the services required will cover applied research program and technology investment fund tasks and direct Canadian Forces (CF) support tasks.

Background

DRDC Valcartier, Precision Weapons Section, plans and executes applied R&D programs and direct support to CF projects in the areas of guidance, navigation and control (GNC) of precision weapons, satellite launchers and unmanned vehicles. In the past, extensive contractor based supporting tasks have been carried out on various projects in all of the above areas. Specifically, work in the area of GNC has included research, development and numerical demonstration of (1) robust guidance, navigation and flight control laws for missiles based on the concepts of fuzzy logic, multi-objective optimal control synthesis, nonlinear control, model predictive control, and real-time sampled-data control, (2) off-line and on-line trajectory shaping for weapons flight path optimization and improved precision effects, (3) homing guidance laws with increased precision on targets in terms of range and terminal impact angle, (4) bio-inspired GNC concepts, (5) basic vision and sonar-based algorithms for motion control and precision maneuvering, (6) multi-vehicle cooperation, and coordination of groups of robots, with focus on autonomous GNC functions, (7) health monitoring and management for single and multiple vehicles/robots/weapons, (8) trajectory generation and path planning/following concepts, (9) obstacle detection and avoidance techniques, (10) GNC algorithms for satellite launchers, and (11) numerical and hardware-in-the-loop demonstrations of novel GNC concepts for individual and multi-asset engagements and operations.

Acronyms

CF	Canadian Forces
DND	Department of National Defence
DRDC	Defence R&D Canada
GNC	Guidance, Navigation, and Control
HIL	Hardware-In-the-Loop
M&S	Modeling and Simulation
PWGSC	Public Works and Government Services Canada
R&D	Research and Development
SIL	Software-In-the-Loop
SOW	Statement Of Work
TA	Task Authorization
UAS	Unmanned Aerial System
UAV	Unmanned Air Vehicle
UV	Unmanned Vehicle
WMR	Wheeled Mobile Robot

2. SCOPE OF WORK

The task authorization will provide detailed deliverables and timelines. A total of five categories of tasks are described in the following paragraphs. A task authorization can refer to more than one category described below and the same task can be repeated several times during the contract duration.

Task 1: Technical support for the Precision Weapons GNC LaboratoryGeneral

The services related to this Task concern the study, analysis, research and development of GNC concepts in (1) a modeling and simulation (M&S) environment, (2) a hardware-in-the-loop (HIL) framework, and (3) a software-in-the-loop (SIL) context. Tests at the DRDC Valcartier Precision Weapons Section's GNC laboratory include systems pertaining to the motion control, navigation and guidance of various platforms and systems: missiles, projectiles, satellite launchers, unmanned vehicles (UVs) at large, wheeled mobile robots (WMRs), and unmanned air systems (UAS).

Services to be provided

The services to be provided include:

1.1 Technical support for tests, demonstrations, and analysis at the Precision Weapons GNC Laboratory in the form of technological advice and assistance.

1.2 Design, installation and integration of electronic and mechanical test apparatuses and components, including, but not restricted to, HIL and SIL test-beds, sensors, actuators, instrumentation, and M&S environment.

1.3 Research and development of software, drivers, and interfaces ensuring integration of various components.

1.4 Install and configure required scientific software, including but not limited to: Matlab, MSTAR-DRDC, DSTO software development suite, MSTAR, Simframework, Viewpoint, and verify using existing integration tests.

1.5 Update development software, including but not limited to: operating systems, Matlab, Visual C++ and drivers, and verify functionality of existing demos.

Task 2: Guidance, Navigation and Control Systems Design/Study for Individual Weapon, Satellite Launcher, WMR and UAV

General

The services related to this Task concern the formulation, software implementation, computer-based demonstration and analysis of advanced GNC schemes for individual weapon, satellite launcher, and UV as part of an analysis process of innovative concepts of autonomous intelligent systems and guided/smart weapons. Performance evaluation and proof of concepts of GNC designs will be done at DRDC Valcartier facilities.

Services to be provided

The services to be provided include:

2.1 Guidance, navigation and control design and analysis techniques, approaches and tools

2.2 Decision-making design approaches and concepts

2.3 Synthesis and analysis of fault-tolerant control, fault detection and diagnosis techniques, and recovery algorithms for UVs and weapons

2.4 Network-enabled UVs, satellite launchers, and weapons operations analysis and studies

2.5 Research and development of GNC algorithms for flexible structures applicable to UAVs, satellite launchers and weapons

2.6 M&S studies of complex UAVs, WMRs, satellite launchers and weapons operations

2.7 Analysis, research, and development of techniques and tools in the areas of weapons, satellite launchers, WMRs, and UAVs systems optimization

2.8 Study, research and development of real-time processing techniques and tools

2.9 Research, development and use of weapons, satellite launchers, WMRs, and UAVs platform performance prediction models, including GNC, sensors, actuators, systems, and integration with other component models (aero, propulsion, communications, datalinks),

2.10 Optimization of GNC algorithms on DRDC Valcartier weapons HIL systems that are based on ITAR-controlled flight computers,

2.11 Performance evaluation and proof of concept trials of GNC designs on DRDC Valcartier HIL and SIL facilities.

Task 3: Guidance, Navigation and Control Systems Design/Study for Multiple/Collaborating Weapons, UAVs, and WMRs

General

The services related to this Task concern the formulation, software implementation, computer-based demonstration and analysis of advanced GNC schemes for weapons and/or UAVs and/or WMRs operating in coordination with other assets, as part of an analysis process of innovative concepts of autonomous intelligent systems for advanced weapons. Performance evaluation and proof of concepts of multi-vehicle GNC designs will be done at DRDC Valcartier facilities.

Services to be provided

The services to be provided include:

- 3.1 Cooperative and multi-vehicle guidance, navigation and control design and analysis techniques, approaches and tools
- 3.2 Cooperative guidance, navigation, and control for formations of weapons, UAVs, WMRs and unmanned aerospace/space systems
- 3.3 Cooperative decision-making design approaches and concepts
- 3.4 Synthesis and analysis of group/team fault-tolerant control, fault detection and diagnosis techniques, recovery algorithms, and health management concepts for coordinated UAVs, WMRs, unmanned aerospace/space systems and weapons
- 3.5 Study of group coordination and behavior modeling
- 3.6 Autonomous network of UAVs, WMRs operations analysis, research and development
- 3.7 Mathematical formulation and M&S studies of complex networks of UAVs, WMRs, unmanned aerospace/space systems and weapons operations in terms of task allocation, planning, trajectory generation, and control
- 3.8 Analysis, research and development of techniques and tools in the areas of weapons, UAVs, WMRs and unmanned aerospace/space systems optimization
- 3.9 Analysis of performances for operations involving networked UAVs, WMRs and weapons in the context of distributed simulations and HIL/SIL experiments
- 3.10 Analysis, research and development of techniques and tools in the area of distributed and decentralized optimization under uncertainty, with offline and real-time processing,
- 3.11 Optimization of multi-vehicle GNC algorithms on individual DRDC Valcartier UAVs and WMRs,
- 3.12 Performance evaluation and proof of concept trials of multi-vehicle GNC designs in the indoor multi-vehicle laboratory of the DRDC Valcartier Precision Weapons Section .

Task 4: Engagement Modeling and Simulation and Implementation in the SIL Facility

General

The services related to this Task concern the maintenance, further development, analysis and documentation of the weapon/UAV/WMR/satellite launcher/unmanned aerospace systems modeling and simulation resource repository. The models will be developed, maintained, optimized and implemented at the SIL facility of DRDC Valcartier, Precision Weapons Section.

Services to be provided

The services to be provided include:

- 4.1 Develop, maintain and improve the weapon/UAV/WMR/satellite launcher/unmanned aerospace systems modeling and simulation resource repository, covering architecture, software implementation, models, interfaces, configuration management,
- 4.2 Implement and conduct modeling and simulation of specific in-service and conceptual weapon/UAV/WMR/satellite launcher/unmanned aerospace systems using different simulation frameworks (eg. mstarsdrdc, Matlab/Simulink, etc),
- 4.3 Perform the analysis of simulation results to characterize performance of the weapon/UAV/WMR/satellite launcher/unmanned aerospace systems and subsystems
- 4.4 Perform verification and validation,
- 4.5 Document architecture, simulation tools, models, simulations, and verification and validation output,

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4.6 Develop, maintain and optimize the GNC/weapon/UAV/WMR/satellite launcher/unmanned aerospace systems models for parallel and distributed implementations in the SIL facility of DRDC Valcartier, Precision Weapons Section.

Task 5: Technical support for the Precision Weapons Indoor Multi-vehicle Laboratory

General

The services related to this Task concern the technical support, advice and assistance for the operation of the indoor multi-vehicle laboratory of the DRDC Valcartier Precision Weapons Section. The work at the GNC laboratory includes the testing, and the validation and verification of advanced weapon/UAV/WMR/unmanned aerospace GNC systems under controlled conditions either as individual platforms or as groups of platforms moving in a confined volume.

Services to be provided at the indoor multi-vehicle laboratory of the DRDC Valcartier Precision Weapons Section

The services to be provided include:

- 5.1 Technical support for tests, demonstrations, and analysis with WMRs, mini-UAVs of various types, and distributed/networked computing equipment,
- 5.2 Development, design and support with Matlab, Simulink, QuaRC and other third-party environments/software/hardware currently used by the Section and possibly used in the future,
- 5.3 Installation and integration of electronic, mechanical test apparatuses, robotic systems, and mechatronic devices and components,
- 5.4 Development of software, drivers, and interfaces ensuring integration of various components, robots, and platforms,
- 5.5 Technical support for indoor experimental tests of single and multi-vehicle GNC techniques embedded onboard and offboard the vehicles.

3. REPORTS AND OTHER DELIVERABLES

General

Depending on the nature of the task request, the deliverable(s) could consist of a combination of any of the following: a technical report, experimental data, numerical models and simulation results, developed software (including source code), commercial material, technical data packages, scientific equipment, and prototypes.

Deliverables will be specified in each TA.

Technical report

For each task authorization, the contractor must deliver a technical report describing in detail:

- The objectives of the task
- The background to the task authorization
- A description of the work performed
- Depending on the task authorization, a report will also include at least one of the following:
 - Mathematical formulation of numerical models, how they were implemented and results of validation
 - Documented source code
 - Documentation for installation of development environments
 - Software users guide for developed software
 - Input and grid files for numerical simulations
 - Raw and analyzed results from numerical and analytical simulations

-
- Design calculations for component hardware and experimental facilities
 - Raw and analyzed experimental results
 - Expert advice related to the task authorization
- Conclusions and recommendations.

The DRDC publication format, provided by the Technical Authority, must be used for the title page, signature page, abstract, and executive summary. The abstract and executive summaries will be provided in English and French. The contractor must deliver 3 hard copies of the report printed on 8 ½ in x 11 in paper and 2 electronic copies of the report on a CD or DVD one in each of the following formats: MS Word (or L^AT_EX) and Adobe Acrobat PDF. Reports may be delivered in French or English.

OTHER DELIVERABLES

In addition to the disclosure obligation under Section 28 of the general conditions 2040, any Foreground Information must be fully disclosed and documented by the Contractor in the technical reports delivered by the Contractor to the Technical Authority under this Contract.

4. 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 contractor and a copy to the organization responsible for publication (the newspaper or conference).

5. MEETINGS

Meetings will be held when deemed necessary, upon request from the contractor or from the technical authority.

6. GOVERNMENT FURNISHED EQUIPMENT (GFE)

General

Although each task authorization will contain detailed definition of government provided equipment, the following paragraphs provides a non-exhaustive list of equipment that could be provided.

List of equipment

The equipment list is based on commercially unavailable equipment or equipment that is difficult to fabricate in a timely or cost effective manner to execute Tasks in response to urgent requirements of the CF. The list includes:

-
- Restricted weapons systems (Tasks 1 and 4)
 - Equipment available only in the Canadian Force inventory (Tasks 1 and 4)
 - Equipment developed by DRDC (Tasks 1 and 5)
 - Equipment developed by a contractor for DRDC (Tasks 1 and 5)
 - Access to equipment from DRDC Valcartier Precision Weapons laboratories and Personal Computer Farm (available in the DRDC Valcartier Precision Weapons laboratories), to SVN software versioning repository, and software installation media.

7. WORK LOCATION

The contractor must perform the work on site at Defence Research and Development Canada – Valcartier, located at 2459 Pie-XI Blvd. North, Quebec City, Quebec. Such on-site work is essential for the execution of the work on GNC technologies as defined in this technical specification for the following reasons: (1) to carry out the specialized technical support, which is the topic of this AT work, by employing the DRDC Valcartier in-house analytical tools, and node-locked software, and site-unique components, mobile and static test platforms, and systems, (2) to ensure the integration and integrity of all the components, systems, devices, and platforms operating on the DRDC information network, (3) to contribute to and use the tools, databases and software licenses that reside on-site in the DRDC Valcartier laboratories and accessible only through the DRDC Valcartier intranet.

The contractor must perform part of the work in the Precision Weapons Indoor Multi-vehicle Laboratory and in the GNC laboratory to efficiently, timely and actively support the scientific staff with their programs of research and development.

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ANNEX B

BASIS OF PAYMENT

Will be identified in the contract.

ANNEX C

CONTRACTOR DISCLOSURE OF FOREGROUND INFORMATION

Please see reference applicable in your contract to look into Article 1 - Interpretation of 2040 General Conditions to obtain the complete definition of the term Foreground Information and thus to help you to determine the information which must be revealed. <http://sacc.pwgsc.gc.ca/sacc/query-e.jsp>.

The Contractor shall respond to the following questions:

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.

Name:
Title:

Date

(Internal DRDC Valcartier)

Nom
Titre : (Technical authority)

Date

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ANNEX D

FORM DND 626, *TASK AUTHORIZATION*

The Form DND 626, *Task Authorization*, appended to the bid solicitation package is to be inserted at this point and forms part of this document.

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ANNEX E

SECURITY REQUIREMENTS CHECK LIST

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

ATTACHMENT 1**FINANCIAL BID PRESENTATION SHEET****1. LABOUR :**

(a) at firm all-inclusive rates, including overhead and profit, GST/HST extra, in accordance with the following:

- * The rates include travel and living expenses for the work performed on site at Defence Research and Development Canada - Valcartier, located in Quebec City, Quebec.

Note to Bidders:

- The Bidder must propose the number of resources indicated in the Mandatory Criteria of Attachment 2 for each of the category of resources.
- Bidder must quote one rate for each proposed resource, for each period
- If the resource works for a subcontractor, the Bidder must also provide the name of the subcontractor.

(The "Note to Bidders" applies only to the request for proposals and will therefore cease to apply on award of the contract.)

Proposed resources	Firm Hourly Rates			
	Proposed Contract Period			
	Date of Award to 2012-03-31	2012-04-01 to 2013-03-31	2013-04-01 to 2014-03-31	2014-04-01 to 2015-03-31
Project Manager : 1. _____	_____ \$	_____ \$	_____ \$	_____ \$
Scientific Category 1: 1. _____ 2. _____ _____	_____ \$ _____ \$ _____ \$	_____ \$ _____ \$ _____ \$	_____ \$ _____ \$ _____ \$	_____ \$ _____ \$ _____ \$
Scientific Category 2: 1. _____ _____	_____ \$ _____ \$	_____ \$ _____ \$	_____ \$ _____ \$	_____ \$ _____ \$
Technical Category: 1. _____ _____	_____ \$ _____ \$	_____ \$ _____ \$	_____ \$ _____ \$	_____ \$ _____ \$

-
- 2. EQUIPMENT:** at laid down cost without markup
- 3. RENTALS:** at actual cost without markup
- 4. MATERIALS AND SUPPLIES:** at laid down cost without markup
- 5. TRAVEL AND LIVING EXPENSES:**
- (a) Canada will not accept any travel and living expenses incurred by the Contractor in the performance of the Work, for:
- (i) services provided on site at Defence Research and Development Canada - Valcartier (DRDC-V), located at 2459 Pie-XI Blvd North, Quebec City, Quebec; and
- (ii) any travel between the Contractor's place of business and the Québec City Region.
- (b) For services to be provided outside the DRDC-V site and the Contractor site, 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".
- (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.
- 6. SUBCONTRACTS:** at actual cost without markup
This item does not include subcontractors of item "Labour".
- 7. OTHER DIRECT CHARGES:** at actual cost without markup

**Estimated Cost to a Limitation of Expenditure: \$950,000.00
(GST/HST extra)**

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 compliance. Any bid which fails to meet the following mandatory technical criteria will be declared non-responsive. Each criterion should be addressed separately.

- The Bidder must propose resources in the following technical/scientific categories :
 - **A minimum of two resources in Scientific Category 1;**
 - **A minimum of one resource in Scientific Category 2;**
 - **A minimum of one resource in Technical Category.**
- A minimum of one project manager is assigned to the project. The project manager can be one of the scientific/technical resources proposed above.
- For the minimum of four technical/scientific resources proposed above, one individual cannot be proposed for more than one category.

Note: For the resources proposed in addition to the minimum four scientific/technical individuals proposed above, the same individual can be proposed for more than one category of resources.

2. POINT RATED TECHNICAL CRITERIA

EVALUATION CRITERIA	MAX	MIN
1. TECHNICAL PROPOSAL	30	18
1.1 Understanding the objectives of tasks The bidder should clearly demonstrate that he has understood the objectives and the special requirements of the different tasks.	10	
1.2 Identifying the risk elements The bidder should clearly describe the elements of each task that it deems at risk and propose a mitigation plan that allows attaining the performance objectives of the task. The elements described should be relevant and the mitigation plan should be realistic.	10	
1.3 Allocation of resources The bidder should clearly present how he plans to allocate resources to the various tasks, as well as the exact role of each of these resources in carrying out these tasks. The allocation of resources must be realistic, relevant and appropriate to the project realization.	5	
1.4 Methods/tools to plan the work The bidder should clearly describe the methods/tools used in order to: plan the work, evaluate the priorities, workload and availability of resources, and track the progress of each task	5	
2. MANAGEMENT PROPOSAL	12	7
2.1 Experience of the project manager in managing R & D projects 1/6 point per month of experience up to a maximum of 36 months (6 points maximum)	6	
2.2 Experience of the project manager in managing projects pertaining to the design, analysis and experimental studies of guidance, navigation and control technologies 1/6 point per month of experience up to a maximum of 36 months (6 points maximum)	6	

<p>3. QUALIFICATIONS OF PROPOSED RESOURCES (EXPERIENCE AND ACADEMIC TRAINING)</p> <p>For each of the sub-criterion, the bidder should indicate the name of the resource(s) proposed and the résumé(s) should be included with the proposal.</p> <p>When more than one person is proposed for a resource category, each person shall be evaluated separately and the total score for the resource category will be the average</p> <p><u>Note for the academic training criteria:</u></p> <p><i>For all the criteria pertaining to the academic training of the proposed resources, points will be given for certificate or diploma from a recognized Canadian university or college, or the equivalent as established by a recognized Canadian academic credentials assessment service*, if obtained outside Canada.</i></p> <p><i>*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/indexe.stm</i></p> <p><u>Note for the experience criteria :</u></p> <p><i>For all the criteria pertaining to the experience of the proposed resources, points will be given to experiences sufficiently demonstrated.</i></p> <p><i>The Bidder should therefore provide sufficient information to allow for a complete evaluation of each stated experience.</i></p> <p><i>If the information provided is insufficient to confirm the relevance of the experience with the requirement of the criteria, points will not be given to the Bidder.</i></p> <p><i>Examples of relevant information allowing for a complete evaluation of experience are as follows:</i></p> <ul style="list-style-type: none"> - Topic of the project or the experience; - Nature of the project of experience; - name of client, including name and telephone number of a point of contact able to confirm the information; - Exact dates of the project or the experience (month and year of start/end); - Exact dates of the involvement of the resource (month and year of start/end); - Tasks conducted by the resource during the project or the experience. <p><i>Note that concurrent experiences will be considered only once.</i></p>	102	58
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3.1 SCIENTIFIC CATEGORY 1	46	26
3.1.1 Academic training (area of study and degree) 10 points: PhD degree in Electrical Engineering or Aerospace Engineering or Mechanical Engineering with at least one graduate-level course in control systems or a specialization in guidance, navigation or control 7 points: Master's degree in Electrical Engineering or Aerospace Engineering or Mechanical Engineering with at least one graduate-level course in control systems or a specialization in guidance, navigation or control 4 points: Master's degree in Electrical Engineering or Aerospace Engineering or Mechanical Engineering 0 points: Any other situation	10	4
3.1.2 Work experience 1/2 point for each month up to the maximum of 24 months (12 points maximum) 3.1.2.1 Experience in guidance or navigation or control (autopilot) theory in terms of analysis and design of systems, with application to either guided weapons or guided rockets or unmanned systems (UAVs, UGVs) or mobile robots.	12	
3.1.2.2 Experience in collaborative/cooperative/ networked guidance or navigation or control theory in terms of analysis and design of systems, with application to either guided weapons or guided rockets or unmanned systems (UAVs, UGVs) or mobile robots.	12	
3.1.2.3 Experience in developing, implementing and conducting modeling and simulation for specific in-service and conceptual guided weapon or guided rocket or UAV or WMR using Matlab <u>and/or</u> Simulink environments, <u>and</u> the Real-time workshop.	12	
3.2 SCIENTIFIC CATEGORY 2	34	20
3.2.1 Academic training (area of study and degree) 10 points: Master's or PhD degree in Electrical Engineering or Aerospace Engineering or Mechanical Engineering, and a Bachelor' degree in Electrical Engineering or Aerospace Engineering or Mechanical Engineering 7 points: Master's or PhD degree in computer or software engineering, and a Bachelor' degree in Electrical Engineering or Aerospace Engineering or Mechanical Engineering 4 points: Bachelor' degree in Electrical Engineering or Aerospace Engineering or Mechanical Engineering 0 point: any other situation	10	4

<p>3.2.2 Work experience</p> <p>1/2 point for each month up to the maximum of 24 months (12 points maximum)</p> <p>3.2.2.1 Experience in a weapons or unmanned systems (UAVs, UGVs) or mobile robots test-bed environment developing, implementing and conducting <u>experimental studies</u> in the integration of systems, sensors, instrumentation, computers, <u>and</u> using COTS or in-house developed network, drivers, interfaces and other components.</p> <p>3.2.2.2 Experience in developing, implementing and conducting <u>experimental studies of GNC</u> for UAV or WMR or other unmanned aerospace systems in a laboratory using Matlab and/or Simulink environments, <u>and</u> the Real-time workshop and/or Quarc and/or Gazebo/Player environments</p>	12	12
<p>3.3 TECHNICAL CATEGORY</p>	22	12
<p>3.3.1 Academic training (area of study and degree)</p> <p>10 points: Master's or Bachelor' degree in Electrical Engineering or Aerospace Engineering or Mechanical Engineering and a Technical diploma in electrical, mechanical, software or computer or electronic engineering</p> <p>7 points: Master's or Bachelor's degree in any other engineering area and a Technical diploma in electrical, mechanical, software or computer or electronic engineering</p> <p>4 points: Technical diploma in electrical, mechanical, software or computer or electronic engineering</p> <p>0 point: any other situation</p>	10	4
<p>3.3.2 Work experience</p> <p>1/2 point for each month up to the maximum of 24 months (12 points maximum)</p> <p>3.3.2.1 Experience in the integration of sensors, instrumentation, computers, and software in mobile robots</p>	12	
<p>4. BIDDER'S QUALIFICATIONS</p>	22	12
<p>4.1 Bidder's experience in the conduct of R&D projects in the last 10 years</p> <p>1/4 point per month of experience up to a maximum of 24 months (6 points maximum)</p>	6	

<p>4.2 Bidder's experience in conducting literature reviews, analytical developments, numerical modeling, simulations experimentations, data analysis and system design, as well as design, installation and commissioning of experimental facilities pertaining to GNC</p> <p>1/4 point per month of experience up to a maximum of 24 months (6 points maximum)</p>	6	
<p>4.3 Bidder's experience in the conduct of similar projects</p> <p>NOTE: ONLY THOSE COMPLETED PROJECTS AT THE TIME THE PROPOSAL IS SUBMITTED BY THE BIDDER WILL BE CONSIDERED.</p> <p>10 points: The bidder (Company) has conducted at least 3 projects, in the last 60 months, with each having a high level of complexity and requiring a significant effort in the area of missile GNC R&D and/or GNC R&D of small air and/or ground vehicles for the defence and security environment that involved the development of GNC concepts, systems, models, implementation, and live tests.</p> <p>8 points: The bidder (Company) has conducted at least 2 projects, in the last 60 months, with each having a high level of complexity and requiring a significant effort in the area of missile GNC R&D and/or GNC R&D of small air and/or ground vehicles for the defence and security environment that involved the development of GNC concepts, systems, models, implementation, and live tests.</p> <p>6 points: The bidder (Company) has conducted 1 project, in the last 60 months, with each having a high level of complexity and requiring a significant effort in the area of missile GNC R&D and/or defence related modeling and simulation for the defence environments and/or GNC R&D of small air and/or ground vehicles for the defence and security environment that involved the development of GNC concepts, systems, models, implementation, and live tests.</p> <p>4 points: The bidder (Company) has conducted at least one project, in the last 60 months, involving <u>at least two</u> of the following elements: the development of GNC concepts, the design of GNC systems, the development of GNC models, the implementation of GNC algorithms, or the conduct of UAV and/or WMR experiments.</p> <p>2 points: The bidder (Company) has conducted at least one project, in the last 60 months, involving <u>at least one</u> of the following elements: the development of GNC concepts, the design of GNC systems, the development of GNC models, the implementation of GNC algorithms, or the conduct of UAV and/or WMR experiments.</p> <p>0 point: The bidder (Company) has not conducted any project, in the last 60 months, involving at least one of the following elements: the development of GNC concepts, the design of GNC systems, the development of GNC models, the implementation of GNC algorithms, or the conduct of UAV and/or WMR experiments.</p>	10	
TOTAL	166	95

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ATTACHMENT 3

EVALUATION OF PRICE

Note to bidders: this annex applies only to the request for proposals and will therefore cease to apply on award of the contract.

EVALUATION OF PRICE

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

Bidders must append an hourly rate for each resource proposed for the contract. An average hourly rate will be calculated for each resource category, and a weighted average will be compiled for all resource categories, as follows:

- Project manager: 0.10
- Scientific Category 1: 0.50
- Scientific Category 2: 0.20
- Technical Category: 0.20

1 - Calculation of the average hourly rate per resource category :

The average hourly rate will be calculated as being the average hourly rate for the 4 contract years for each resource category. **This average hourly rate will be used for evaluation purposes only and will not be applied to the contract.**

2 - Calculation of bid price :

To establish labour costs, the effort available in terms of hours (see last column in the table below) must be determined. The effort available for each resource category will be calculated as follows:

$$\frac{[\text{total available funding}] \times [\text{pourcentage of use}]}{[\text{average hourly rate for the resource category}]}$$

Then, the labour costs for a given category are calculated by multiplying the effort available by the average hourly rate.

Finally, the bid price is obtained by calculating the labour costs per category for a given bid.

For example

- available funding = \$950,000
- the percentage of use for the project manager = 0.10
- If the average hourly rate for the bid (a) = \$70, that of bid (b) = \$80 and that of bid (c) = \$90, then the average hourly rate for the resource category is = \$80.

Therefore,

- Effort available = \$950,000 x 0.10/\$80 = 1,187.5 hours

and

- Labour costs for the project manager, bid (a) = 1,187.5 hours x \$70 = \$83,125.
- Labour costs for the project manager, bid (b) = 1,187.5 hours x \$80 = \$95,000.
- Labour costs for the project manager, bid (c) = 1,187.5 hours x \$90 = \$106,875.

The following table provides an example of calculation for tree bid prices.

Categories	% of use	Rate A	Price for A	Rate B	Price for B	Rate C	Price for C	Hours
Project Manager	10%	\$70.00	\$83 125.00	\$80.00	\$95 000.00	\$90.00	\$106 875.00	1 187
Scientific Category 1	50%	\$65.00	\$411 667.00	\$75.00	\$475 000.00	\$85.00	\$538 333.00	6 333
Scientific Category 2	20%	\$60.00	\$162 857.00	\$70.00	\$190 000.00	\$80.00	\$217 143.00	2 714
Technical Category	20%	\$55.00	\$160 769.00	\$65.00	\$190 000.00	\$75.00	\$219 231.00	2 923
Bid Price			\$818 418.00		\$950 000.00		\$1 081 582.00	

The rates are provided as example and shall not be interpreted like an indication of the experience of the labour categories.

CALCULATION OF LOWEST EVALUATED PRICE PER POINT (EXAMPLE)

OFFERORS	TOTAL POINTS	TOTAL PRICE	Computation	Ratio	
A	95	\$818 418.00	818 418/95	8 614.9	
B	135	\$950 000.00	950 000/135	7 037.0	Winner
C	150	\$1 081 582.00	1 081 582/150	7 210.5	

ATTACHMENT 4

CERTIFICATIONS PRECEDENT TO CONTRACT AWARD

1. Federal Contractors Program for Employment Equity - Certification

1.1 Federal Contractors Program - \$200,000 or more

1. The Federal Contractors Program (FCP) requires that some suppliers, including a supplier who is a member of a joint venture, bidding for federal government contracts, valued at \$200,000 or more (including all applicable taxes), make a formal commitment to implement employment equity. This is a condition precedent to contract award. If the Bidder, or, if the Bidder is a joint venture and if any member of the joint venture, is subject to the FCP, evidence of its commitment must be provided before the award of the Contract.

Suppliers who have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive government contracts over the threshold for solicitation of bids as set out in the *Government Contracts Regulations*. Suppliers may be declared ineligible contractors either as a result of a finding of non-compliance by HRSDC, or following their voluntary withdrawal from the FCP for a reason other than the reduction of their workforce to less than 100 employees. Any bids from ineligible contractors, including a bid from a joint venture that has a member who is an ineligible contractor, will be declared non-responsive.

2. If the Bidder does not fall within the exceptions enumerated in 3.(a) or (b) below, or does not have a valid certificate number confirming its adherence to the FCP, the Bidder must fax (819-953-8768) a copy of the signed form LAB 1168, Certificate of Commitment to Implement Employment Equity, to the Labour Branch of HRSDC.
3. The Bidder, or, if the Bidder is a joint venture the member of the joint venture, certifies its status with the FCP, as follows:

The Bidder or the member of the joint venture

- (a) is not subject to the FCP, having a workforce of less than 100 full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada;
- (b) is not subject to the FCP, being a regulated employer under the *Employment Equity Act*, S.C. 1995, c. 44;
- (c) is subject to the requirements of the FCP, having a workforce of 100 or more full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada, but has not previously obtained a certificate number from HRSDC (having not bid on requirements of \$200,000 or more), in which case a duly signed certificate of commitment is attached;
- (d) is subject to the FCP, and has a valid certificate number as follows: _____ (e.g. has not been declared an ineligible contractor by HRSDC.)

Further information on the FCP is available on the HRSDC Web site

(<http://www.hrsdc.gc.ca/eng/labour/equality/fcp/index.shtml>).

2. Former Public Servant Certification

Contracts with 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 with FPS, bidders must provide the information required below.

Definitions

For the purposes of this clause,

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

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

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

"pension" means, in the context of the fee abatement formula, 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

Is the Bidder a FPS in receipt of a pension as defined above? **YES () NO ()**

If so, the Bidder must provide the following information:

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

Work Force Reduction Program

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of a work force reduction program? **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 reduction 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 the Goods and Services Tax or Harmonized Sales Tax.

Certification

By submitting a bid, the Bidder certifies that the information submitted by the Bidder in response to the above requirements is accurate and complete.

3. 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.

3.1 SACC Manual clause A3050T (2010-01-11), Canadian Content Definition

4. 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.

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5. 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.

6. Language Capability

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

Signature of Authorized Representative

Name of Authorized Representative

Date



Government of Canada

Gouvernement du Canada

Contract Number / Numéro du contrat W7701-0 3842
Security Classification / Classification de sécurité

**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	
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 Task Authorization Contract - Analytical, Numerical and Experimental Guidance, Navigation and Control Technologies Investigations for Precision Weapons, Unmanned Autonomous Systems, and Satellite Launchers		
5. a) Will the supplier require access to Controlled Goods? Le fournisseur aura-t-il accès à des marchandises contrôlées?	<input checked="" type="checkbox"/> No / Non <input 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 checked="" type="checkbox"/> No / Non <input 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 type="checkbox"/> No / Non <input checked="" 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 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 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 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"/>



Government of Canada

Gouvernement du Canada

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Security Classification / Classification de sécurité

PART A (continued) / PARTIE A (suite)

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets? No Yes
Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS? 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? No Yes
Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate? 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 / 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 : Accès aux sites du RDDC - Valcartier

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? No Yes
Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail? Non Oui
If Yes, will unscreened personnel be escorted? No Yes
Dans l'affirmative, le personnel en question sera-t-il escorté? 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? No Yes
Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS? Non Oui

11. b) Will the supplier be required to safeguard COMSEC information or assets? No Yes
Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC? 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? No Yes
Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ? 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? No Yes
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? Non Oui

11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency? No Yes
Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale? Non 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 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			TOP SECRET TRÈS SECRET	
	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 A B C	CONFIDENTIAL CONFIDENTIEL		SECRET
Information / Assets Renseignements / Biens	<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"/>
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"/>
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"/>
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"/>

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 indiquer qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).



Contract Number / Numéro du contrat W7701-03842
Security Classification / Classification de sécurité

PART D - AUTHORIZATION / PARTIE D - AUTORISATION			
13. Organization Project Authority / Chargé de projet de l'organisme			
Name (print) - Nom (en lettres moulées) C.A. Rabbath	Title - Titre Defence Scientist	Signature 	
Telephone No. - N° de téléphone 418-844-4000 x4756	Facsimile No. - N° de télécopieur 418-844-4502	E-mail address - Adresse courriel camille-alain.rabbath@drc-rddc.gc.ca	Date 13 december 2010
14. Organization Security Authority / Responsable de la sécurité de l'organisme			
Name (print) - Nom (en lettres moulées) Tippy Graham - DPM Secur 3 Senior Security Analyst Tel: 613-949-1035 / Fax: 613-949-1069		Title - Titre	Signature
Telephone No. - N° de téléphone 613-949-1035	Facsimile No. - N° de télécopieur 613-949-1069	E-mail address - Adresse courriel tippyr@grahamoffices.gc.ca	Date 21 Mar 2011
15. Are there additional instructions (e.g. Security Guide, Security Classification Guide) attached? Des instructions supplémentaires (p. ex. Guide de sécurité, Guide de classification de la sécurité) sont-elles jointes?			<input type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui
16. Procurement Officer / Agent d'approvisionnement			
Name (print) - Nom (en lettres moulées)	Title - Titre	Signature	
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date
17. Contracting Security Authority / Autorité contractante en matière de sécurité			
Name (print) - Nom (en lettres moulées) Eric Bouquin	Title - Titre Contract Security officer	Signature 	Date March 24, 2011
Telephone No. - N° de téléphone 613 960-9658	Facsimile No. - N° de télécopieur 613 954-4171	E-mail address - Adresse courriel Eric.G.Bouquin@ tproc-pmgsc.gc.ca	Date

Handwritten note:
Maurice
C/APP
16 Dec 2010