

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

REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION

**Proposal To: Public Works and Government
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Title - Sujet ATC	
Solicitation No. - N° de l'invitation W7701-135590/A	Date 2013-05-17
Client Reference No. - N° de référence du client W7701-13-5590	
GETS Reference No. - N° de référence de SEAG PW-\$QCL-002-15403	
File No. - N° de dossier QCL-2-35501 (002)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-06-11	
Time Zone Fuseau horaire Heure Avancée de l'Est HAE	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Brisebois, Aline	Buyer Id - Id de l'acheteur qcl002
Telephone No. - N° de téléphone (418) 649-2883 ()	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 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

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

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

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Solicitation No. - N° de l'invitation

W7701-135590/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

qcl002

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

W7701-13-5590

File No. - N° du dossier

QCL-2-35501

CCC No./N° CCC - FMS No/ N° VME

List of Annexes:

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PART 1 - GENERAL INFORMATION

1. Introduction

The bid solicitation is divided into seven parts plus attachments and annexes, as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;
- Part 3 Bid Preparation Instructions: provides bidders with instructions on how to prepare their bid;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, and the basis of selection;
- Part 5 Certifications: includes the certifications to be provided;
- Part 6 Security, Financial and Other Requirements: includes specific requirements that must be addressed by bidders; and
- Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The Annexes include the Statement of Work, the Basis of Payment, the Security Requirements Checklist, and Contractor Disclosure of Foreground Information.

2. Summary

(i) The objectives of the work are:

Firstly, the contractor will perform a review on existing literature on automatic target cueing (ATC) in visible and infrared spectrum methodologies and technologies based on imagery. Based on the requirement, to perform studies and analysis to determine the feasibility of performing highly accurate ATC in visible and infrared spectrum in military operations. The military operations are (i) ATC in small arm operations at standoff distance up to 600m; and (ii) short range ATC at standoff distance below 100m.

Secondly, the contractor will perform a review on existing literature on in visible spectrum facial recognition methodologies and technologies based on imagery. Based on the requirement, to perform studies and analysis to determine the feasibility of performing highly accurate in visible spectrum facial recognition in military operations. The military operations are short range facial recognition for personnel identification at standoff distance below 100m.

Furthermore, DRDC will select at least one product for each of the following:

- ATC in infrared
- ATC in visible
- Facial recognition in visible

The contractor will test the performance and truthing of these products against video sequences of various difficulties provided by DRDC. The contractor will also provide software and algorithm development support for implementing an auto target cueing (ATC) application in both visible and infrared for small arms applications. No facial recognition algorithm is developed in this contract.

For that purpose, the contractor is to improve, modify and optimize the ATC algorithms that were developed under the "Portable EO Surveillance System with Auto-Targeting Capabilities" project. Some tradeoffs on performance will be considered for achieving objectives.

(ii) Background

Under the mandate of Future Small Arms Research (FSAR) project, DRDC will examine existing and future technologies for small arm capabilities with the objective of identifying technologies which could increase shot placement accuracy and reduce engagement time under various situations. These technologies include weapon, ammunition, positioning systems, optics and electro-optics. A series of studies on these subjects will be performed, some of which may involve literature survey, simulation and modelling, and experiments with modules and systems in lab and field, and user trials, etc.

(iii) Client department

The services will be rendered to Defence Research and Development Canada (DRDC-Valcartier).

(iv) Period of the contract :

The period of the Contract is from date of Contract **to march 31st 2014.**

(v) Intellectual property rights

Any intellectual property rights arising from the performance of the Work under the resulting contract will belong to Canada.

(vi) Pursuant to section 01 of Standard Instructions 2003, Bidders must submit a complete list of names of all individuals who are currently directors of the Bidder. Furthermore, as determined by the Special Investigations Directorate, Departmental Oversight Branch, each individual named on the list may be requested to complete a Consent to a Criminal Record Verification form and related documentation.

(vii) Other information :

The requirement is subject to the provisions of the Agreement on Internal Trade (AIT).
The requirement is subject to a preference for Canadian services.
There is a security requirement associated with this requirement.

3. Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

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

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

The 2003 (2012-11-19) 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: hundred and twenty (120) days

1.1 SACC Manual Clauses

A7035T (2007-15-25), 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 to PWGSC will not be accepted.

3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than **five (5)** calendar days before the bid closing date at pascal.lessard@tpsgc-pwgsc.gc.ca. 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 the province of 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**

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

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

6. **Maximum Funding**

The maximum funding available for the contract resulting from the bid solicitation is **\$150 000.00** (Goods and Services Tax or the Harmonized Sales Tax extra, as appropriate). Bids valued in excess of this amount will be considered non-responsive. This disclosure does not commit Canada to pay the maximum funding available.

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

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

Section I : Technical Bid (4 hard copies) and 2 soft copies on CD)

Section II : Financial Bid (2 hard copies) and 2 soft copies on CD)

Section III : Certifications (1 hard copy)

If there is a discrepancy between the wording of the soft copy and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

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

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

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

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement

(<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

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

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.

Section II : Financial Bid

1.1 Bidders must submit their financial bid as follows:

- (a) A Total Cost to a Limitation of Expenditure, which must not exceed the maximum funding specified in Part 2. The total amount of Goods and Services Tax or Harmonized Sales Tax is to be shown separately, if applicable. The information should be provided in accordance with the Financial Bid Presentation Sheet at Attachment 1.
- (b) For Canadian-based bidders, prices must be in Canadian funds, Canadian customs duties and excise taxes included, and Goods and Services Tax (GST) or Harmonized Sales Tax (HST) excluded.

1.2 Exchange Rate Fluctuation

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

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 a Basis of Payment to a limitation of Expenditure that does not exceed the maximum funding specified in Part 2, 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.

2. Basis of Selection

2.1 Basis of Selection - Highest Rated Within Budget

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 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. The responsive bid with the highest number of points will be recommended for award of a contract, provided that the total evaluated price does not exceed the budget available for this requirement. In the event that the highest number of points is obtained by more than one responsive bid, the responsive bid with the lowest evaluated price will be recommended for award of a contract.

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and related documentation to be awarded a contract. Canada will declare a bid non-responsive if the required certifications and related documentation 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 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, to provide the related documentation or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

1. Mandatory Certifications Required Precedent to Contract Award

1.1 Code of Conduct and Certifications - Related documentation

By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Bid of Standard Instructions 2003. The related documentation therein required will assist Canada in confirming that the certifications are true.

2. Additional Certifications Precedent to Contract Award

The certifications in Attachment 3, 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 AND FINANCIAL REQUIREMENTS

1. Security Requirement

1. Before award of a contract, the following conditions must be met:
 - (a) the Bidder must hold a valid organization security clearance as indicated in Part 7 - Resulting Contract Clauses;
 - (b) the Bidder's proposed individuals requiring access to classified or protected information, assets or sensitive work site(s) must meet the security requirement as indicated in Part 7 - Resulting Contract Clauses;
 - (c) the Bidder must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites.
2. Bidders are reminded to obtain the required security clearance promptly. Any delay in the award of a contract to allow the successful bidder to obtain the required clearance will be at the entire discretion of the Contracting Authority.
3. For additional information on security requirements, bidders should consult the "Security Requirements for PWGSC Bid Solicitations - Instructions for Bidders" (<http://www.tpsgc-pwgsc.gc.ca/app-acq/lc-pl/lc-pl-eng.html#a31>) document on the Departmental Standard Procurement Documents Web site.

2. Financial Capability

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

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 _____.

2. Standard Clauses and Conditions

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

2.1 General Conditions

2040 (2013-04-25), General Conditions - Research & Development, apply to and form part of the Contract.

2.2 Supplemental General Conditions

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

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

2.3 SACC manual clause

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 D;
 - (b) Industrial Security Manual (Latest Edition).

4. Term of Contract

4.1 Period of the Contract

The period of the Contract is from date of Contract to **march 31st 2014.**

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Pascal Lessard
Title: Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch

Telephone: (418) 649-2819
Facsimile: (418) 648-2209
E-mail address: pascal.lessard@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 Project Authority (Will be completed at contract award)

The Project Authority for the Contract is:

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

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

The Project 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 Project Authority; however, the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

5.3 Contractor's Representative (To be completed by the contractor)

Administrative representative :

Name :

Telephone :

Facsimile :

Email :

Technical representative :

Name :

Telephone :

Facsimile :

Email :

5.4 Procurement Authority (will be completed by Canada at contract award)

The Procurement Authority for the Contract is:

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

Telephone: _____

Facsimile: _____

E-mail: _____.

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

6. Payment

6.1 Basis of Payment - Limitation of expenditure

The Contractor will be reimbursed for the costs reasonably and properly incurred in the performance of the Work, and profit, as determined in accordance with the Basis of Payment in Annex B, to a limitation of expenditure of \$_____ **(the amount will be inserted at contract award)**. Customs duties are excluded and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

6.2 Limitation of Expenditure

1. Canada's total liability to the Contractor under the Contract must not exceed \$ _____ **(amount to be inserted at contract award)** . Customs duties are excluded and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.
2. No increase in the total liability of Canada or in the price of the Work resulting from any design changes, modifications or interpretations of the Work, will be authorized or paid to the Contractor unless these design changes, modifications or interpretations have been approved, in writing, by

the Contracting Authority before their incorporation into the Work. The Contractor must not perform any work or provide any service that would result in Canada's total liability being exceeded before obtaining the written approval of the Contracting Authority. The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:

- (a) when it is 75 percent committed, or
- (b) four (4) months before the Contract expiry date, or
- (c) as soon as the Contractor considers that the contract funds provided are inadequate for the completion of the Work,

whichever comes first.

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

6.3 Method of Payment

6.3.1 Progress Payments

1. Canada will make progress payments in accordance with the payment provisions of the Contract, no more than once a month, for cost incurred in the performance of the Work up to 90 percent of the amount claimed and approved by Canada if:
 - (a) an accurate and complete claim for payment using form PWGSC-TPSGC 1111 (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/1111.pdf>) and any other document required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
 - (b) the amount claimed is in accordance with the Basis of payment;
 - (c) the total amount for all progress payments paid by Canada does not exceed 90 percent of the total amount to be paid under the Contract;
 - (d) all certificates appearing on form PWGSC-TPSGC 1111 have been signed by the respective authorized representatives.
2. The balance of the amount payable will be paid in accordance with the payment provisions of the Contract upon completion and delivery of all work required under the Contract if the Work has been accepted by Canada and a final claim for the payment is submitted.
3. Progress payments are interim payments only. Canada may conduct a government audit and interim time and cost verifications and reserves the right to make adjustments to the Contract from time to time during the performance of the Work. Any overpayment resulting from progress payments or otherwise must be refunded promptly to Canada.

6.4 SACC Manual Clauses

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

6.5 Discretionary Audit

SACC Manual Clause 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 (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/1111.pdf>).

Each claim must show:

- (a) all information required on form PWGSC-TPSGC 1111;
- (b) all applicable information detailed under the section entitled "Invoice Submission" of the general conditions;
- (c) a list of all expenses;

Each claim must be supported by:

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

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

ATTN : Mrs Olfa Ben Mahmoud

Supply Support Clerk
Public Works and Government Services Canada
601-1550 Avenue D'Estimauville
Québec, Québec
G1J 0C7

E-mail address : olfa.benmahmoud@tpsgc-pwgsc.gc.ca

The Contracting Authority will then forward the original and two (2) copies of the claim to the Technical Authority for certification and onward submission to the Payment Office for the remaining certification and payment action.

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

8. Certifications

8.1 Compliance

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

8.2 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) Supplemental General Conditions;
- (c) the general conditions 2040 (2013-04-25) General Conditions - Research and Development;
- (d) Annex A, Statement of Work
- (e) Annex B, Basis of Payment;
- (f) Annex C, Security Requirements Check List
- (g) Annex D, Contractor disclosure of foreground information
- (h) the Contractor's bid dated _____

11. Defence Contract

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

12. Foreign Nationals (Canadian Contractor)

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

13. Insurance

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

14. Progress Reports

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

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

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

Each negative response must be supported with an explanation.

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

- (i) A description of the progress of each task and of the Work as a whole during the period of the report. Sufficient sketches, diagrams, photographs, etc., must be included, if necessary, to describe the progress accomplished.
- (ii) An explanation of any variation from the work plan.
- (iii) A description of trips or conferences connected with the Contract during the period of the report.
- (iv) A description of any major equipment purchased or constructed during the period of the report.

ANNEX A

STATEMENT OF WORK

1. General

1.1 Title

Feasibility study and software development support - Automatic target cueing and facial recognition in visible and infrared spectrum for military operations

1.2 Objective

Firstly, the contractor will perform a review on existing literature on automatic target cueing (ATC) in visible and infrared spectrum methodologies and technologies based on imagery. Based on the requirement, to perform studies and analysis to determine the feasibility of performing highly accurate ATC in visible and infrared spectrum in military operations. The military operations are (i) ATC in small arm operations at standoff distance up to 600m; and (ii) short range ATC at standoff distance below 100m.

Secondly, the contractor will perform a review on existing literature on in visible spectrum facial recognition methodologies and technologies based on imagery. Based on the requirement, to perform studies and analysis to determine the feasibility of performing highly accurate in visible spectrum facial recognition in military operations. The military operations are short range facial recognition for personnel identification at standoff distance below 100m.

Furthermore, DRDC will select at least one product for each of the following:

- ATC in infrared
- ATC in visible
- Facial recognition in visible

The contractor will test the performance and truthing of these products against video sequences of various difficulties provided by DRDC. The contractor will also provide software and algorithm development support for implementing an auto target cueing (ATC) application in both visible and infrared for small arms applications. No facial recognition algorithm is developed in this contract.

For that purpose, the contractor is to improve, modify and optimize the ATC algorithms that were developed under the "Portable EO Surveillance System with Auto-Targeting Capabilities" project. Some tradeoffs on performance will be considered for achieving objectives.

1.3 Background

Under the mandate of Future Small Arms Research (FSAR) project, DRDC will examine existing and future technologies for small arm capabilities with the objective of identifying technologies which could increase shot placement accuracy and reduce engagement time under various situations. These technologies include weapon, ammunition, positioning systems, optics and electro-optics. A series of

studies on these subjects will be performed, some of which may involve literature survey, simulation and modelling, and experiments with modules and systems in lab and field, and user trials, etc.

For many years, defence scientists and military forces are exploring ATC capability based on imagery in order to assist situational awareness operations such as surveillance, target tracking and detecting, and target classification (man, vehicle, clutter) and recognition (LAV and tank, man and the head of a man, clutter). Under FSAR, ATC was considered as one of the key enablers in future small arm technology. The goal is to assess feasibility and capability of assisted target engagement (ATE) in small arms by combining ATC to electronic ignited ammunition and small arm weapons. It is believed that ATE may help improving shoot placement and shortening engagement time in some situations. A series of studies and experiments will be performed to quantify the ATE capability.

Highly accurate ATC on both human and vehicle targets at standoff range (100m and more) under arbitrary field conditions has been demonstrated and could be achieved with today's technologies such as those in ALERT TDP, FAVS TDP and among many other DRDC projects. Most of these demonstrations, if not all, were performed in infrared spectrum. This is because thermal images of an object or target are more stable and consistent under various field conditions as compared to visible images which are susceptible to luminosity of the environment, sun clutter, shadow effect, reflection from proximity objects, colour representation and interpretation, etc. which introduce many variables and pose challenges to pattern matching, background subtraction and target segmentation, which are some important steps among others in low false alarm, ATC process. In fact, ATC based on infrared imagery has been included in FSAR efforts and activities to develop the first ATC sight prototype. Nevertheless, there are several ongoing efforts by industries pursuing automatic target detection and tracking, ATC and also facial recognition in visible spectrum such as, among several, Sentient Inc (Australia), Deep Vision Inc (Canada) and iOmniscient Inc (Australia). These industries are showcasing their results and products in tradeshows and workshops. Therefore, DRDC and the clients would like to re-examine the feasibility of highly accurate ATC and facial recognition in visible spectrum for military operations under arbitrary conditions.

This work is to provide an expert analysis through literature survey and studies on existing ATC methodologies, technologies and performance based on imagery, for standoff range in small arms (both infrared and visible spectrum) and for short range in ATC and facial recognition (in visible spectrum). These subjects, but are not limited to, will be examined: image processing, image averaging, target detection and tracking, pattern matching, blob detection, image registration, background subtraction, change detection, target segmentation, false detection suppression, abstraction of target. In small arms, standoff distance out to 600m is sufficient.

Since this is the beginning of a series of studies on ATC requirement in FSAR as well as the readiness of facial recognition in military operations, DRDC would like to receive reports which contain all detailed, key information regarding ATC and facial recognition technologies. In order to achieve the objective of this work, DRDC suggested the following plan. First, a brief literature survey based on a few key publications is performed to gather information of ATC (in infrared and visible) and facial recognition (in visible) methodologies and technologies based on imagery. Then, an in-depth study on industrial products for the potential ATC (Deep Vision, iOmniscient and Sentient) and facial recognition (iOmniscient) performance and limitations in visible spectrum. The working principle, ATC parameters and estimated performance in terms of probability of corrected detection and recognition and also false alarm under various field conditions and standoff distance should be included in the report.

Lastly, the work involves further analytical and experimental work with some of the ATC algorithms, evaluation of existing software products and software development for ATC applications.

1.4 Acronymes

ALERT	Advanced linked extended reconnaissance targeting
FAVS	Future armoured vheicle systems
TDP	Technical demonstration project
ATC	Automatic target cueing
ATD	Automatic target detection
ATR	Automatic yarget recognition
TA	Technical Authority

2. **APPLICABLE DOCUMENTS (references)**

None.

3. **SCOPE OF THE WORK**

Task 1 - Literature survey on ATC and facial recognition methodologies and technologies based on imagery

1.1 - ATC methodologies and technologies in infrared spectrum

Perform a survey, identify, describe and interpret the key characteristics of ATC methodologies and technologies in infrared spectrum. These are, but not limited to:

- spatial resolution;
- pattern matching;
- image processing;
- image averaging;
- target detection and tracking;
- blob detection;
- image registration;
- background subtraction;
- change detection;
- pattern rotation effect;
- scaling effect;
- number of selected patterns as a function of pattern matching;
- target segmentation;
- false detection suppression.

1.2 - ATC methodologies and technologies in visible spectrum

Perform a survey, identify, describe and interpret the key characteristics of ATC methodologies and technologies in visible spectrum. These are, but not limited to:

- spatial resolution;
- target pattern and matching;
- image processing;
- image averaging;
- target detection and tracking;

- colour representation and interpretation;
- image registration;
- background subtraction;
- change detection;
- pattern rotation effect;
- scaling effect;
- number of selected patterns as a function of pattern matching;
- target segmentation and false detection suppression and abstraction of target, in associated with field conditions such as background, standoff range, colour representation, ambient luminosity and shadowing.

Task 2 - Facial recognition methodologies and technologies in visible spectrum

Perform a survey, identify, describe and interpret the key characteristics of facial recognition methodologies and technologies in visible spectrum. These are, but not limited to:

- spatial resolution;
- target pattern and matching;
- image processing;
- image averaging;
- target detection and tracking;
- colour representation and interpretation;
- image registration;
- background subtraction;
- change detection;
- pattern rotation effect;
- scaling effect;
- number of selected patterns as a function of pattern matching;
- target segmentation and false detection suppression, in associated with field conditions such as background, standoff range, ambient luminosity and shadowing.

Task 3 - Study of industrial products for the potential ATC and facial recognition performance and limitations in visible and infrared spectrum

- Identify, describe and interpret the key characteristics, methodologies and working principle of Deep Vision and iOmniscient in visible spectrum, and Sentient ATC algorithms in infrared spectrum.

- Identify, describe and interpret the key characteristics, methodologies and working principle of iOmniscient facial recognition algorithms.

- Provide an estimate of the associated products in visible and infrared spectrum of ATC and facial recognition performance, false alarm and limitations with respect to background, standoff range, colour representation, ambient luminosity and shadowing.

Following Tasks 1, 2 and 3, DRDC will select at least one product for each of the following:

- ATC in infrared spectrum,
- ATC in visible spectrum
- Facial recognition in visible spectrum.

These products will be tested with regards to their performance and limitations.

Task 4 - Test of existing products for ATC performance and limitations in infrared and visible spectrum, and facial recognition performance and limitations in visible spectrum

With the use of video sequences provided by DRDC, test the performance and limitations of these products with respect to, but not limited to:

- spatial resolution;
- target pattern and matching;
- image processing;
- image averaging;
- target detection and tracking;
- blob detection;
- image registration;
- background subtraction;
- change detection;
- pattern rotation effect;
- scaling effect;
- number of selected patterns as a function of pattern matching;
- colour representation and interpretation;
- target segmentation and
- false detection suppression and abstraction of target, in associated with field conditions such as background, standoff range, colour representation, ambient luminosity and shadowing

Task 5 - Provide algorithm development support for improving of ATC in Portable EO Surveillance System with Auto-Targeting Capabilities

5.1 Analyse the actual ATC algorithm and its processing in the Portable EO System (developed under the "Portable EO Surveillance System with Auto-Targeting Capabilities" project) for accessing performance in visible and infrared with regards to detecting, identifying and tracking the heads of human targets in various postures such as walking, running, crawling, and partially obscured. Following data analysis, solutions will have to be crafted to improve the ATC performance and functionalities.

This development and analysis process is seen as an iterative or spiral development process. The contractor may have to work on several consecutive interim solutions in Task 4.0.

5.2 Identify improvements for upgrading the ATC algorithms.

The EO Portable System ATC is currently emulated in an interactive test-bed. This test-bed is to be used to measure performance of the current and new ATC software/algorithm configurations. The test-bed is also to be used for identifying the preferred configurations for implementation in small arm applications. The contractor must perform the following work:

- Review the ATC algorithm technologies implemented in the EO Portable System test-bed and identify deficiencies and improvements to be made toward small arm applications.
- Test and measure the performance of the EO Portable System ATC algorithms with image sequences provided by the TA.

- Analyze the collected information, suggest improvements and select preferred ATC-system configurations, ATD, ATR and data fusion algorithms for implementation in the test-bed for small arm applications.
- Modify the EO Portable System ATC algorithms and improve their performance at detecting heads of human targets at any state such as all are in static, the target is in motion, the target and the camera are in motion, for better panning compensation and at tracking features.
- Develop new processing techniques such as adaptive online feature learning and robust auto-adaptive threshold for background removing.

5.3 Implement and test new algorithms in the test-bed

- Develop and implement the identified algorithms in the test-bed.
- Test, assess performance and optimize the new ATC configurations.

5.4 Selection of the ATC algorithm configurations for implementation

- Identify preferred ATC configurations for implementation in hardware.

Task 6.0 - Design the ATC system architecture

6.1 Develop detailed specifications for an ATC software system. At a minimum, the specifications must address the following requirements:

- Implementation issues such as:

- Capability for implementing ATC software in the provided high-end computer

- ATC control interface for users to provide at least:

- Selection and display of sensor image size
- Selection of ATC algorithm configuration parameters.
- Cueing threshold (level at which target is declared)
- Selection of region(s) of interest in the camera FOV
- Video-rate display of image source with overlaid cueing data and system parameters

- Interface for acquiring image sequences:

- Capability of storing sequences of digitized images for later reply and analysis.
- Capability for an electronic VCR to play back stored images that will have PAUSE, PLAY, REWIND and FAST FORWARD functions

- Near Real-time operation

- The objective is to process 30 frames/s from one image source. Near real-time solutions are acceptable. Processing includes acquiring images, pre-processing images, applying automatic target detection (ATD) and automatic target recognition (ATR) algorithms, and providing outputs for target cueing.
- Minimum latency (i.e. delay time between acquiring an image frame for processing and providing an ATC output) is required.

6.2 Following TA approval of the ATC system specifications and design developed under Task 5.1, develop a software implementation plan, consistent with the TA's overall priorities and time scheduling for the "Portable EO Surveillance System with Auto-Targeting Capabilities" project. The software implementation plan must then be provided to the TA for approval.

Task 7.0: Provide ATC software implementation

Develop, integrate, and test the computer code for ATC system and implement it in a high-end computer provided by DRDC Valcartier.

4. REPORTS AND OTHER DELIVERABLES

i. Monthly Progress Report which must include, at a minimum:

- The work performed since the previous report;
- Progress;
- Technical and management issues requiring resolution and
- The work planned for the next reporting period.

ii. A final report summarizing all results in Task 1.0 to Task 7.0 detailed as so:

Task 1

- Results of survey, identification, description and interpretation of key characteristics of ATC methodologies and technologies in infrared spectrum.
- Results of survey, identification, description and interpretation of key characteristics of ATC methodologies and technologies in visible spectrum.
- A final report summarizing the results obtained in tasks 1.

Task 2

- Results of survey, identification, description and interpretation of key characteristics of facial recognition methodologies and technologies in visible spectrum

Task 3

- Results including identification, description and interpretation of key characteristics, methodologies and working principle of algorithms ATC of Deep Vision and iOmniscient in visible spectrum, and Sentient ATC algorithms in infrared spectrum.
- Results including identification, description and interpretation of key characteristics, methodologies and working principle of facial recognition algorithm of iOmniscient.
- Performance estimation of the associated products in visible and infrared spectrum of ATC and facial recognition, false alarm and limitations with respect to background, standoff range, colour representation, ambient luminosity and shadowing.

Task 4

- The test results of existing products for ATC performance and limitations in infrared and visible spectrum, and facial recognition performance and limitations in visible spectrum

Task 5

- The solutions to improve the ATC performance, functionalities and implementation plan;

Task 6

- The detailed descriptions and specifications for the ATC system considered; description of implementation, operation and test of ATC program;

Task 7

- All computer codes of the ATC system, description of its architecture

The final report must include detailed descriptions of all technology survey, ATC software, operating instructions, details of optimization techniques, results of tests and evaluations, and an analysis of achieved performance. The report should also include recommendations for future improvements and upgrades. Software should have a moderate level of documentation to facilitate future improvements, modifications and implementations.

All reports must be provided in two paper copies as well as one electronic copy in Adobe PDF or MSWord. The reports may be written in either official language.

- One fully functional ATC system operating in a high-end computer provided by DRDC Valcartier.
- All software licenses
- All Crown Intellectual Property software developed under the contract.

4.1 Publications

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

5. MEETINGS

One kickoff meeting will be held at the beginning of the contract. One or two meetings during each task to refine the information need for the task and one meeting at the end of the task. The meeting can be held on-site or off-site, or through teleconference.

6. GOVERNMENT SUPPLIED MATERIAL (GSM)

N/A

7. GOVERNMENT FURNISHED EQUIPMENT (GFE)

- Software analytical tools and algorithms of ATC
- A high-end computer

8. SPECIAL CONSIDERATIONS

All work is unclassified and the contractor will not have access to any classified information. An SRCL is included should the supplier to whom the contract is awarded wish to work on DRDC Valcartier site.

9. WORK LOCATION

The work may be performed at DRDC Valcartier, 2459 boul. Pie-XI North, Quebec, QC or at the Contractor's location.

ANNEX "B"**BASIS OF PAYMENT***(to be completed at Contract award)****(Bidders must submit their financial bid in accordance with the Financial Bid Presentation Sheet at Attachment 1)***

1. **LABOUR:** at firm all-inclusive rates, GST/HST extra, in accordance with the following:

Proposed Resources	Firm Hourly Rate Proposed Contract Period		Extended Total per Resource
	Date of Award to 31 March 2014	Total Est. Hours	
1	\$		\$
2	\$		\$
3	\$		\$

Est.: \$ _____

2. **EQUIPMENT:** at laid down cost without markup

Est.: \$ _____

3. **RENTALS:** at actual cost without markup

Est.: \$ _____

4. **MATERIALS AND SUPPLIES:** at laid down cost without markup

Est.: \$ _____

5. **TRAVEL AND LIVING EXPENSES:**

Est.: \$ _____

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

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

6. **SUBCONTRACTS:** at actual cost without markup

Est.: \$ _____

7. **OTHER DIRECT CHARGES:** at actual cost without markup

Est.: \$ _____

**ESTIMATED COST TO A LIMITATION OF EXPENDITURE - \$ _____
FIRM PORTION OF THE WORK (GST/HST extra)**

With the exception of the firm rate(s) and price(s), the amounts shown in the various items specified above are estimates only. Minor changes to these estimates will be accepted for billing purposes as the

Solicitation No. - N° de l'invitation

W7701-135590/A

Amd. No. - N° de la modif.

File No. - N° du dossier

QCL-2-35501

Buyer ID - Id de l'acheteur

qc1002

CCC No./N° CCC - FMS No/ N° VME

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

W7701-13-5590

Work proceeds, provided that these changes have the prior approval of the Technical Authority, and provided that the estimated cost does not exceed the aforementioned Limitation of Expenditure.

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Amd. No. - N° de la modif.

File No. - N° du dossier

QCL-2-35501

Buyer ID - Id de l'acheteur

qc1002

CCC No./N° CCC - FMS No/ N° VME

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ANNEX C

SECURITY REQUIREMENTS CHECK LIST

(at the end of the document)

ANNEX D

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.

Signature Date

Name Title

(Internal DRDC Valcartier)

Signature Date

Name Title (Technical authority)

ATTACHMENT 1

FINANCIAL BID PRESENTATION SHEET

1. **LABOUR:** at firm all-inclusive rates, GST/HST extra, F.O.B. Destination (for goods), in accordance with the following:

BIDDERS ARE REQUESTED TO QUOTE ONE RATE PER PROPOSED RESOURCE, PER TASK.

If the ressource works for a subcontractor, bidders must also provide the name of the subcontractor.

Proposed Resources	Firm Hourly Rate Proposed Contract Period		Extended Total per Resource
	Date of Award to 31 March 2014	Total Est. Hours	
1	\$		\$
2	\$		\$
3	\$		\$

TOTAL ESTIMATED LABOUR: \$ _____

Items 2. through 7. shall be completed if the Bidder's rates in 1. above do not include the following:

2. **EQUIPMENT:** at laid down cost without markup

Description	Price
_____	_____
_____	_____
_____	_____

TOTAL ESTIMATED EQUIPMENT: \$ _____

3. **RENTALS:** at actual cost without markup

Description	Price
_____	_____
_____	_____
_____	_____

TOTAL ESTIMATED RENTALS: \$ _____

4. **MATERIALS AND SUPPLIES:** at laid down cost without markup

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File No. - N° du dossier

QCL-2-35501

Buyer ID - Id de l'acheteur

qcl002

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

W7701-13-5590

CCC No./N° CCC - FMS No/ N° VME

Description

Price

TOTAL ESTIMATED MATERIALS AND SUPPLIES: \$ _____

5. SUBCONTRACTS: at actual cost without markup (except for proposed resources of section 1 - Labour)

Support for the proposed subcontractor's price is required in the same details as that required for the Bidder's price. The estimated price for subcontracts should include all direct charges and travel & living expenses which would be to the account of the subcontractor.

TOTAL ESTIMATED SUBCONTRACTS: \$ _____

6. TRAVEL & LIVING: at actual cost without markup but not to exceed the limits of the Treasury Board Travel Directive. With respect to the TB Travel Directive, only the meal, private vehicle and incidental allowances specified in Appendices B, C and D of the TB Travel Directive <http://www.tbs-sct.gc.ca/hr-rh/gtla-vgcl/> and the other provisions of the directive referring to "travellers" rather than those referring to "employees", are applicable. *Details are to be provided on a separate sheet.*

TOTAL ESTIMATED TRAVEL & LIVING: \$ _____

7. OTHER DIRECT CHARGES: at actual cost without markup

TOTAL ESTIMATED OTHER DIRECT CHARGES: \$ _____

ESTIMATED COST TO A LIMITATION OF EXPENDITURE : \$ _____ (GST/HST extra)

ATTACHMENT 2

1. Mandatory 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.

Mandatory criteria:

Note : Listing experience without providing any supporting data to describe where and how such experience was obtained will result in the experience not being included for evaluation

	MANDATORY TECHNICAL CRITERIA
1	The bidder must demonstrate at least thrity-six months experience working in image processing algorithm programming such as : image/data acquisition or, image/data processing or, data/image visualization or, pattern matching or, image averaging and shaping or, background subtraction or, object segmentation,

2. Point Rated Technical Criteria

Note for criteria evaluating experience

For all criteria evaluating the experience of the proposed resources, points will be given only for experience that is sufficiently demonstrated.

Bidders should therefore provide sufficient information to allow for the complete evaluation of each example of experience mentioned.

The points will not be awarded if the information provided is insufficient to confirm that the experience is in conformity with the criterion requirements.

Here are examples of information allowing for the complete evaluation of experience (applicable depending on the criterion):

- *subject of the project or experience;*
- *nature of the project or experience;*
- *client name, including the name and telephone number of a client contact person who can confirm the information;*
- *exact dates of the project or experience (start and end dates – month and year);*
- *exact dates of resource's involvement in the project (start and end dates – month and year);*
- *tasks carried out by the resource during the project or experience.*

Please note that overlapping experiences will be counted only once.

	MAX	MIN
1.0 TECHNICAL PROPOSAL	25	
<p>1.1 Understanding of objectives and required technical work</p> <p>The bidder should clearly demonstrate that he understands the objectives and specificities of the project. He should also present in details the technical support that he proposes for the conduct of the work and for achieving the objectives.</p> <p>10 pts: Proof of an excellent understanding of the task objectives and realistic technical solutions. All principal elements are defined and solutions given.</p> <p>8 pts: Proof of a very good understanding of the task objectives and realistic technical solutions. Almost all principal elements are defined and solutions given.</p> <p>6 pts: Proof of a good understanding of the task objectives and realistic technical solutions. Most of the principal elements are defined and solutions given.</p> <p>4 pts: Proof of a limited understanding of the task objectives and realistic technical solutions. Some of the principal elements are defined and solutions given.</p> <p>0 pts: No understanding of the task objectives and realistic technical solutions. Very few of the principal elements are defined and solutions given.</p>	10	
<p>1.2 Proposed strategy and methodology</p> <p>The bidder should clearly present the technical approach and the methodology that he proposes. The technical approach and the methodology that are proposed both need to be realistic, relevant and directly tied to the required technical work. They should also be complete and realistic. Innovation will also be evaluated.</p> <p>15 pts: The technical strategy and methodology (along with possible risks) presented is excellent (very concise and complete). All principal elements are defined and solutions given.</p> <p>12 pts: The technical strategy and methodology (along with possible risks) presented is very good (concise and complete). Almost all principal elements are defined and solutions given.</p> <p>9 pts: The technical strategy and methodology (along with possible risks) presented is good (concise and complete). Most of the principal elements are defined and solutions given.</p> <p>6 pts: The technical strategy and methodology (along with possible risks) presented is limited (very concise and complete). Some of the principal elements are defined and solutions given.</p> <p>3 pts: The technical strategy and methodology (along with possible risks) is not rigorously presented. Very few of the principal elements are defined and solutions given.</p>	15	

<p>2.0. QUALIFICATIONS OF RESOURCES DIRECTLY INVOLVED IN THE PROJECT (EXPERIENCE AND ACADEMIC TRAINING)</p> <p>For the purpose of this criterion ONLY, the experience of the Bidder and its subcontractors will be considered.</p>	36	14
<p>2.1 Years of experience of resources directly involved in the project.</p> <p>For each of the fields of activity, the bidder MUST indicate the name of the resources proposed and their résumés MUST be included with the proposal for the purpose of the evaluation, or ZERO score will be given. The same resource can be proposed for more than one field of activity.</p> <p>The bidder MUST propose a number of IDENTIFIED resources for EACH task, with required experiences associated to each task CLEARLY PRESENTED IN THE PROPOSAL, or ZERO score will be given. The number of identified resources required is indicated for each task. For each task, the resource proposed will be evaluated separately according to the point allocation as described below. The total point for each task will be defined by the sum of each individual scoring divided by the number of resources required.</p> <p>The months experience is defined by the number of months that the proposed resource has worked on projects relevant with the associated criteria items. This could be interpreted as the duration of the project multiplies by the percentage involvement of the resource.</p> <p><i>The bidder must describe each project as follows:</i></p> <ul style="list-style-type: none"> - <i>Title;</i> - <i>Client/company contacts;</i> - <i>Start and end dates;</i> - <i>Brief description;</i> - <i>Involvement and responsibility of the proposed resource within the project</i> <p>(a) Literature survey and analysis</p> <ul style="list-style-type: none"> - Literature survey in open literatures, patents, commercial sources such as company product information and specifications - Analysis on the findings including but not limiting to current state-of-the-art designs, performance, advantages and disadvantages in general and specifically regarding to project requirements <p>Resource requirement : At least one engineers/scientists</p> <p><u>Points allocation</u></p>	4	

- with a Bachelors degree or higher in Physics or engineering physics with more than 60 months experience: **4 points**
- with a Bachelors degree or higher in Physics or engineering physics with more than 48 months to 60 months experience: **3 points**
- with a Bachelors degree or higher in Physics or engineering physics with more than 36 months to 48 months experience: **2 points**
- with a Bachelors degree or higher in Physics or engineering physics with more than 24 months to 36 months experience: **1 points**
- None of the above: **0 point**

(b) Experiences of resource in image processing techniques and programming

Criteria include

- Image/data acquisition, image/data processing, data/iage visualization, target pattern matching, image averaging and shaping
- Use of MATLAB products and databases

4

Resource requirement : At least one engineer/scientist

Points allocation

- with a Masters degree or higher in optical science or physics or engineering physics with more than 60 months experience: **4 points**
- with a Masters degree or higher in optical science or physics or engineering physics with more than 48 months to 60 months experience: **3 points**
- with a Masters degree or higher in optical science or physics or engineering physics with more than 36 months to 48 months experience: **2 points**
- with a Masters degree or higher in optical science or physics or engineering physics with more than 24 months to 36 months experience: **1 points**
- None of the above: **0 point**

(c) Experiences of resource in automatic target detection, cueing and recognition techniques and programming based on infrared imagery

- Target detection, cueing, recognition and tracking, blob detection, image registration, background subtraction, change detection, target segmentation and false detection suppression
- Use of MATLAB products and databases

4

Resource requirement : At least one engineer/scientist

Points allocation

-with a Masters degree or higher in optical science or physics or engineering physics with more than 60 months experience:

4 points

-with a Masters degree or higher in optical science or physics or engineering physics with more than 48 months to 60 months experience:

3 points

-with a Masters degree or higher in optical science or physics or engineering physics with more than 36 months to 48 months experience:

2 points

-with a Masters degree or higher in optical science or physics or engineering physics with more than 24 months to 36 months experience:

1 points

- None of the above: **0 point**

(d) Experiences of resource in automatic target detection, cueing and recognition techniques and programming based on visible imagery

- Target detection, cueing, recognition and tracking, image registration, background subtraction, change detection, target segmentation and false detection suppression and abstraction of target
- Use of MATLAB products and databases

4

Resource requirement : At least one engineer/scientist

Points allocation

-with a Masters degree or higher in optical science or physics or engineering physics with more than 60 months experience:

4 points

-with a Masters degree or higher in optical science or physics or engineering physics with more than 48 months to 60 months experience:

3 points

-with a Masters degree or higher in optical science or physics or engineering physics with more than 36 months to 48 months experience:

2 points

-with a Masters degree or higher in optical science or physics or engineering physics with more than 24 months to 36 months experience:

1 points

- None of the above: **0 point**

(e) Experiences of resource in automatic, image based facial recognition techniques and programming based on visible imagery

Criteria include

- Facial recognition principle, facial recognition algorithm programming
- Use of MATLAB products and databases

4

Resource requirement : At least one engineer/scientist

Points allocation

-with a Masters degree or higher in optical science or physics or engineering physics with more than 60 months experience:

4 points

-with a Masters degree or higher in optical science or physics or engineering physics with more than 48 months to 60 months experience:

3 points

-with a Masters degree or higher in optical science or physics or engineering physics with more than 36 months to 48 months experience:

2 points

-with a Masters degree or higher in optical science or physics or engineering physics with more than 24 months to 36 months experience:

1 points

- None of the above: **0 point**

(f) Experiences of resource in optronic imaging systems

Criteria include

- Optronic system principle, operation and characterization of optronic system in lab and in field
- Data/image acquisition of optronic imaging systems

4

Resource requirement : At least one engineer/scientist

Points allocation

-with a Masters degree or higher in optical science or physics or engineering physics with more than 60 months experience:

4 points

-with a Masters degree or higher in optical science or physics or engineering physics with more than 48 months to 60 months experience:

3 points

-with a Masters degree or higher in optical science or physics or engineering physics with more than 36 months to 48 months experience:

2 points

-with a Masters degree or higher in optical science or physics or engineering physics with more than 24 months to 36 months experience:

1 points

- None of the above: **0 point**

(g) Experiences of resource in field experiments and trials on ATD/ATR/ATC algorithm

Criteria include

- Experiment and trial planning
- Executing experiments and trials
- Capturing images and videos for live and post-analysis and truthing

4

Resource requirement : At least one engineer/scientist

Points allocation

-with a Masters degree or higher in optical science or physics or engineering physics with more than 60 months experience:

4 points

-with a Masters degree or higher in optical science or physics or engineering physics with more than 48 months to 60 months experience:

3 points

-with a Masters degree or higher in optical science or physics or engineering physics with more than 36 months to 48 months experience:

2 points

-with a Masters degree or higher in optical science or physics or engineering physics with more than 24 months to 36 months experience:

1 points

- None of the above: **0 point**

(h) Experiences of resource in footage analysis for ATD/ATR/ATC truthing

Criteria include

- Analysis footage for probability of detection and false detection
- Analysis truthing results

Resource requirement : At least one engineer/scientist

4

Points allocation

-with a Masters degree or higher in optical science or physics or engineering physics with more than 60 months experience:

4 points

-with a Masters degree or higher in optical science or physics or engineering physics with more than 48 months to 60 months experience:

3 points

-with a Masters degree or higher in optical science or physics or engineering physics with more than 36 months to 48 months experience:

2 points

-with a Masters degree or higher in optical science or physics or engineering physics with more than 24 months to 36 months experience:

1 points

- None of the above: **0 point**

(i) Documentation and report

Resource requirement : At least one engineer/scientist

Points allocation

-with a Masters degree or higher in optical science or physics or engineering physics with more than 60 months experience:

4 points

-with a Masters degree or higher in optical science or physics or engineering physics with more than 48 months to 60 months experience:

3 points

4

<p>-with a Masters degree or higher in optical science or physics or engineering physics with more than 36 months to 48 months experience: 2 points</p> <p>-with a Masters degree or higher in optical science or physics or engineering physics with more than 24 months to 36 months experience: 1 points</p> <p>- None of the above: 0 point</p>		
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	MAX	MIN
<p>3.0 COMPANY'S EXPERIENCE</p> <p><i>The bidder must describe each project as follows:</i></p> <ul style="list-style-type: none"> - Title; - Client/company contacts; - Start and end dates; - Brief description; 	20	8
<p>3.1 Experience of the bidder in the field of image processing algorithm - programming, operating and analysis</p> <p>In the last 10 years, the bidder completed:</p> <ul style="list-style-type: none"> - 10 or more projects/contracts: 10 points. - 7 to 9 projects/contracts: 6 points. - 4 to 6 projects/contracts: 4 points. - 2 and 3 projects/contracts: 2 points. - Less than 2 projects/contracts: 0 point. <p>Only projects valued at 20,000.00\$ or more will be considered.</p>	10	4
<p>3.2 Experience of the bidder in the field of automatic target detection, recognition, cueing algorithm – programming, data/image acquisition, data/image analysis and truthing</p> <p>In the last 10 years, the bidder completed:</p> <ul style="list-style-type: none"> - 10 or more projects/contracts: 10 points. - 7 to 9 projects/contracts: 6 points. - 4 to 6 projects/contracts: 4 points. - 2 and 3 projects/contracts: 2 points. - Less than 2 projects/contracts: 0 point. <p>Projects valued at 20K\$ or more are considered here.</p>	10	4

Solicitation No. - N° de l'invitation

W7701-135590/A

Amd. No. - N° de la modif.

File No. - N° du dossier

QCL-2-35501

Buyer ID - Id de l'acheteur

qcl002

CCC No./N° CCC - FMS No/ N° VME

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

W7701-13-5590

TOTAL (1-3)	81	37
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ATTACHMENT 3

CERTIFICATIONS PRECEDENT TO CONTRACT AWARD

1. Federal Contractors Program for Employment Equity - Certification

1.1 Federal Contractors Program _ over \$25,000 and below \$200,000

Suppliers who are subject to the Federal Contractors Program (FCP) and have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive federal 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.

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;
- (d) () has not been declared an ineligible contractor by HRSDC, and has a valid certificate number as follows: _____.

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

2.1 Former Public Servant - Competitive Requirements

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

Former Public Servant in Receipt of a Pension

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

YES () NO ()

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

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

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with Contracting Policy Notice: 2012-2 and the Guidelines on the Proactive Disclosure of Contracts.

Work Force 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.

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.



Government of Canada /
Gouvernement du Canada

Contract Number / Numéro du contrat

W7701-135590

Security Classification / Classification de sécurité
UNCLASSIFIED

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

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE		
1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine		2. Branch or Directorate / Direction générale ou Direction DROC Valcartier
3. a) Subcontract Number / Numéro du contrat de sous-traitance		3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant
4. Brief Description of Work / Brève description du travail Feasibility study and software development support - Automatic target cueing and facial recognition in visible and infrared spectrum for military operations		
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?		<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui
(Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c)		
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: <input type="checkbox"/>	Restricted to: / Limité à: <input type="checkbox"/>	Restricted to: / Limité à: <input type="checkbox"/>
Specify country(ies): / Préciser le(s) pays:	Specify country(ies): / Préciser le(s) pays:	Specify country(ies): / Préciser le(s) pays:
7. c) Level of Information / Niveau d'information		
PROTECTED A / PROTÉGÉ A <input 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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PART A (continued) / PARTIE A (suite)

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

If Yes, indicate the level of sensitivity:
Dans l'affirmative, indiquer le niveau de sensibilité:

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

Short Title(s) of material / Titre(s) abrégé(s) du matériel:
Document Number / Numéro du document:

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

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

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

Special comments:
Commentaires spéciaux:

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.
REMARQUE: Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10. b) May unscreened personnel be used for portions of the work?
Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail? No / Non Yes / Oui

If Yes, will unscreened personnel be escorted?
Dans l'affirmative, le personnel en question sera-t-il escorté? No / Non Yes / Oui

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

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

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

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

PRODUCTION

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

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

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

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



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

For users completing the form manually use the summary chart below to indicate the category(les) and level(s) of safeguarding required at the supplier's site(s) or premises.
Les utilisateurs qui remplissent le formulaire manuellement doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

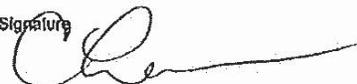
For users completing the form online (via the Internet), the summary chart is automatically populated by your responses to previous questions.
Dans le cas des utilisateurs qui remplissent le formulaire en ligne (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

SUMMARY CHART / TABLEAU RÉCAPITULATIF

Category / Catégorie	PROTECTED / PROTÉGÉ			CLASSIFIED / CLASSIFIÉ			NATO				COMSEC						
	A	B	C	CONFIDENTIAL / CONFIDENTIEL	SECRET	TOP SECRET / TRÈS SECRET	NATO RESTRICTED	NATO CONFIDENTIAL	NATO SECRET	COSMIC TOP SECRET / COSMIC TRÈS SECRET	PROTECTED / PROTÉGÉ			CONFIDENTIAL / CONFIDENTIEL	SECRET	TOP SECRET / TRÈS SECRET	
							NATO DIFFUSION RESTRICTED	NATO CONFIDENTIAL			A	B	C				
Information / Assets / Renseignements / Biens / Production																	
IT Media / Support IT																	
IT Link / Lien électronique																	

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?
La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE? No / Non Yes / Oui
- If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire.
12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?
La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE? No / Non Yes / Oui
- If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire et indiquez qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).

Contract Number / Numéro du contrat W7701-135590
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PART D - AUTHORIZATION / PARTIE D - AUTORISATION			
13. Organization Project Authority / Chargé de projet de l'organisme			
Name (print) - Nom (en lettres moulées) Phillips Laou		Title - Titre Defence Scientist	Signature 
Telephone No. - N° de téléphone 418-844-4000 x.4218	Facsimile No. - N° de télécopieur 418-844-4458	E-mail address - Adresse courriel philips.laou@drdc-rddc.gc.ca	Date November 2, 2012
14. Organization Security Authority / Responsable de la sécurité de l'organisme			
Name (print) - Nom (en lettres moulées) Dawn Murray / SRCL Team Lead		Title - Titre OP MP GP HQ - Industrial Security	Signature 
Telephone No. - N° de téléphone Tel: 613-940-1026 / Fax: 613-940-1060	Facsimile No. - N° de télécopieur E-mail: dawn.murray@forces.gc.ca	E-mail address - Adresse courriel	Date 20 Nov 2012
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 checked="" 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) Chrisoula Langis		Title - Titre Contract Security Officer, Contract Security Division	Signature 
Telephone No. - N° de téléphone Chrisoula.Langis@spgc-pwysc.gc.ca	Facsimile No. - N° de télécopieur Tel/Fax - 613-941-4835 / Téléc/Fax - 613-954-4171	E-mail address - Adresse courriel	Date Nov. 23/12