



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 BATTLE MANAGEMENT FOR CMTMD	
Solicitation No. - N° de l'invitation W7701-197011/A	Date 2018-12-21
Client Reference No. - N° de référence du client W7701-197011	
GETS Reference No. - N° de référence de SEAG PW-\$QCL-042-17584	
File No. - N° de dossier QCL-8-41194 (042)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-01-09	Time Zone Fuseau horaire Heure Normale du l'Est HNE
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Hamel, Jonathan	Buyer Id - Id de l'acheteur qcl042
Telephone No. - N° de téléphone (418) 649-2806 ()	FAX No. - N° de FAX (418) 648-2209
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DRDC Valcartier 2459 ROUTE DE LA BRAVOURE QUEBEC Québec G3J1X5 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

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

Issuing Office - Bureau de distribution

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

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

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THIS DOCUMENT CONTAINS A SECURITY REQUIREMENT

PART 1 - GENERAL INFORMATION

1.1 Introduction

The bid solicitation is divided into seven parts plus annexes and attachments, 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 and Additional Information: includes the certifications and additional information to be provided;

Part 6 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 following Annexes:

Annex A	Statement of Work
Annex B	Basis of Payment
Annex C	Security Requirement Check List

The following Attachments:

Attachment 1 to Part 3	Financial Bid Presentation Sheet
Attachment 2 to Part 3	Electronic Payment Instructions
Attachment 1 to Part 4	Mandatory and Point Rated Evaluation Criteria

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1.2 Summary

Project Title

BATTLE MANAGEMENT FOR COALITION MARITIME THEATRE MISSILE DEFENCE

Description

Public Works and Government Services Canada (PWGSC) on behalf of Defense Research and Development Canada (DRDC) located in Valcartier, (Quebec), is seeking bids to qualify a contractor for the carry out work on Coalition Maritime Theatre Missile Defense. The planned Research & Development (R&D) activities include the development, maturation, integration, and demonstration of concepts, architecture, and solutions for naval battle management.

Period of Contract

From date of award to March 31st 2020

Intellectual Property

Canada will own all intellectual property rights in foreground information.

Security Requirements

There is a security requirement associated with this requirement. For additional information, consult Part 6 - Security, Financial and Other Requirements, and Part 7 - Resulting Contract Clauses. For more information on personnel and organization security screening or security clauses, bidders should refer to the [Canadian Industrial Security Directorate \(CISD\), Industrial and Security Program](#) of Public Works and Government Services Canada website.

Trade Agreements

The requirement is subject to the provisions of the Canadian Free Trade Agreement (CFTA).

Canadian Content

The requirement is limited to Canadian goods and Canadian services.

E-Post Connect

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

1.3 Debriefings

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

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PART 2 - BIDDER INSTRUCTIONS

2.1 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/policyand-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 \(2018-05-22\)](#) 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: 60 days
Insert: 120 days

2.1.1 SACC Manual Clauses

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

2.2 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.

2.2.1 By using the [epost Connect service provided by Canada Post Corporation](https://www.canadapost.ca/web/en/products/details.page?article=epost_connect_send_a) (https://www.canadapost.ca/web/en/products/details.page?article=epost_connect_send_a)

The email address of PWGSC Quebec region Bid Receiving Unit is:

TPSGC.RQReceptionSoumissions-QRSupplyTendersReception.PWGSC@tpsgc-pwgsc.gc.ca

NOTE THAT YOU SHOULD NOT SEND YOUR OFFERS DIRECTLY TO THIS EMAIL ADDRESS, BUT PROCEED THROUGH CANADA POST EPOST CONNECT SERVICE. REFER TO THE 2003 STANDARD INSTRUCTIONS (2018-05-22).

2.2.2 By mail or in person at:

Public Works and Government Services Canada (PWGSC)
1550, Avenue of Estimaerville
Quebec City, Quebec G1J 0C7
ATT: Request for Proposal W7701-197011/A

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2.3 Former Public Servant

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

Definitions

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

an individual;
an individual who has incorporated;
a partnership made of former public servants; or
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.R11, 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:
name of former public servant;
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.

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Work Force Adjustment Directive

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive? **Yes () No ()**

If so, the Bidder must provide the following information:

- name of former public servant;
- conditions of the lump sum payment incentive;
- date of termination of employment;
- amount of lump sum payment;
- rate of pay on which lump sum payment is based;
- period of lump sum payment including start date, end date and number of weeks;
- number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

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

2.4 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than seven (7) calendar days before the bid closing date. Enquiries received after that time may not be answered.

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

2.5 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Quebec.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

2.6 Improvement of Requirement during Solicitation Period

Should Bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, Bidders are invited to make suggestions, in writing, to the Contracting Authority, named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular Bidder will be given consideration provided they are submitted to the Contracting Authority at least ten (10) days before the bid closing date. Canada will have the right to

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accept or reject any or all suggestions.

2.7 Maximum Funding

The maximum funding available for the Contract resulting from the bid solicitation is \$430 000.00 (Applicable Taxes extra). Bids valued in excess of this amount will be considered non-responsive. This disclosure does not commit Canada to pay the maximum funding available.

2.8 Basis for Canada's Ownership of Intellectual Property

Defense Research and Development Canada (DRDC) has determined that any intellectual property rights arising from the performance of the Work under the resulting contract will belong to Canada, for the following reasons, as set out in the [Policy on Title to Intellectual Property Arising Under Crown Procurement Contracts](#):

Where the main purpose of the Crown Procurement Contract, or the deliverables contracted for, is:

- To augment an existing body of Crown Background as a prerequisite to the transfer of the expanded Background to the private sector, through licensing or assignment of ownership (not necessarily to the original contractor), for the purposes of Commercial Exploitation.
- To deliver a not-yet fully developed component or subsystem that will be incorporated into a complete system at a later date, as a prerequisite to the planned transfer of the complete system to the private sector, through licensing or assignment of ownership, for the purposes of Commercial Exploitation.

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PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

- If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. Bidders must provide their bid in a single transmission. The epost Connect service has the capacity to receive multiple documents, up to 1GB per individual attachment.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid

Section II: Financial Bid

Section III: Certifications

- If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical and Managerial Bid (5 hard copy and 1 soft copy on CD/DVD)

Section II: Financial Bid (1 hard copy and 1 soft copy on CD/DVD)

Section III: Certifications (1 hard copy and 1 soft copy on CD/DVD)

For the soft copies of Section I (Technical and Managerial Bid), all of the information must be contained in one file (for the Technical and Managerial Bid). The only acceptable formats are: MS Word, PDF and HTML. Format chosen for Section I must allow the text to be copied (unprotected) for evaluation and other operational purposes;

For the soft copy of Section II (Financial Bid), all of the information must be contained in one file. The only acceptable formats are: MS Word, PDF and HTML.

The soft copy of Section II must be submitted on a separate CD/DVD/ than the soft copy submitted for Section I;

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;

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

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (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](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and

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- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.
- If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

Prices must appear in Section II (Financial Bid) only. **No prices must be indicated in any other section of the bid;**

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

Section I: Technical and Managerial Bid

In their technical and managerial 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 and managerial bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated. Simply repeating the statement contained in the bid solicitation is not sufficient. In order to facilitate the evaluation of the bid, Canada requests that Bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, Bidders may refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

Attachment 1 to part 4 - Mandatory and Point Rated Technical and Management Criteria contains additional instructions that bidders should consider when preparing their technical and managerial bid.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the *Financial Bid Presentation Sheet* detailed at Attachment 1 to Part 3.

3.1.1 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Attachment 2 to Part 3 - *Electronic Payment Instruments*, to identify which ones are accepted.

If Attachment 2 to Part 3 - *Electronic Payment Instruments* is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

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3.1.2 Exchange Rate Fluctuation

[C3011T \(2013-11-16\)](#), Exchange Rate Fluctuation

3.1.3 Price Breakdown

Bidders are requested to detail the following elements for expenses in the performance of each task, milestone or phase of the Work, as applicable:

Labour: For each individual and (or) labour category to be assigned to the Work, indicate:

- i) the hourly rate, inclusive of overhead and profit; and
- ii) the estimated number of hours.

Subcontracts: Identify any proposed subcontractor and provide for each one the same pricebreakdown information as contained in this article.

Other Direct Charges: Identify any other direct charges anticipated, such as long distance communications and rentals, and provide the pricing basis.

Travel and Living Expenses: The total estimated cost for Travel and Living is set to 40 000.00\$ and bidders must take this amount into consideration when submitting their financial bid.

Applicable Taxes: Identify any Applicable Taxes separately.

Section III: Certifications

Bidders must submit the certifications required under Part 5.

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PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

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

4.1.1 Technical and Managerial Evaluation

4.1.1.1 Mandatory and Point Rated Evaluation Criteria

The mandatory and point rated evaluation criteria are described at Attachment 1 to Part 4: *Mandatory and Point Rated Evaluation Criteria*. Bids which fail to meet the mandatory evaluation criteria will be declared non-responsive.

Point rated evaluation criteria not addressed in the proposal will be given a score of zero.

4.1.2 Financial Evaluation

4.1.2.1 Mandatory Financial Criteria

The Bidder must submit a total estimated cost to a limitation of expenditure, which must not exceed the maximum funding, stated at section 2.7 of the bid solicitation, available for the contract resulting from the bid solicitation (Applicable Taxes extra, as appropriate).

Bids which fail to meet the mandatory financial criteria will be declared non-responsive. Bids valued in excess of the maximum funding specified at section 2.7 of the bid solicitation will be considered non responsive. This disclosure does not commit Canada to pay the maximum funding available.

4.1.2.2 Evaluation of Price

The price of the bid will be evaluated in Canadian dollars, the Applicable Taxes excluded, FOB destination, Canadian customs duties and excise taxes included.

The following formula will be used to determine the evaluated price of the bid:

Estimated cost for Labour as per section 1.1 of Attachment 1 to Part 3
+
Estimated cost for Subcontracts as per section 1.2 of Attachment 1 to Part 3
+
Estimated cost for Other Direct Expenses as per section 1.3 of Attachment 1 to Part 3
+
Estimated cost for Travel and Living expenses as per section 1.4 of Attachment 1 to Part 3
=
Total Estimated Price to a Limitation of Expenditure

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4.2 Basis of Selection – Highest Rated Within Budget

4.2.1 To be declared responsive, each bid must:

- a. comply with all the requirements of the bid solicitation;
- b. meet all mandatory evaluation criteria;
- c. obtain the required minimum rating of 60 points overall for all the point-rated evaluation criteria.

The rating is performed on a scale of 100 points.

Bids not meeting (a) or (b) or (c) 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.

4.2.2 In the event that two or more responsive bids obtain the same overall ratings, the bid which obtained the highest rating for the *Rated Criteria RT1* will be recommended for award of contract.

4.2.3 In the event that more than one responsive bid obtain the same overall ratings and the same rating for *Rated Criteria RT1*, the bid which obtains the highest rating for the *Rated Criteria RT4* will be recommended for award of a contract.

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PART 5 - CERTIFICATIONS AND ADDITIONAL INFORMATION

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

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

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

5.1 Certifications Required with the Bid

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

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the *Ineligibility and Suspension Policy* (<http://www.tpsgcpwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide with its bid the required documentation, as applicable, to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

In accordance with the *Ineligibility and Suspension Policy* (<http://www.tpsgcpwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "[FCP Limited Eligibility to Bid](http://www.labour.gc.ca/eng/standards_equality/eq/emp/fcp/list/inelig.shtml)" list (http://www.labour.gc.ca/eng/standards_equality/eq/emp/fcp/list/inelig.shtml) available from [Employment and Social Development Canada \(ESDC\) - Labour's website](#). Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](#)" list at the time of contract award.

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](#)" list during the period of the Contract.

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5.2.3 Additional Certifications Precedent to Contract Award

5.2.3.1 Canadian Content Certification

This procurement is limited to Canadian services.

The Bidder certifies that:

() the service offered is a Canadian service as defined in paragraph 2 of clause A3050T. For more information on how to determine the Canadian content for a mix of goods, a mix of services or a mix of goods and services, consult Annex 3.6.(9), Example 2, of the Supply Manual.

SACC Manual clause [A3050T](#) (2014-11-27) Canadian Content Definition.

5.2.3.2 Status and Availability of Resources

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

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

5.2.3.3 Education and Experience

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

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PART 6 – SECURITY, FINANCIAL AND OTHER REQUIREMENTS

6.1 Security requirements

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 sites must meet the security requirements 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 refer to the [Contract Security Program](http://www.tpsgc-pwgsc.gc.ca/esc-src/introduction-eng.html) of Public Works and Government Services Canada (<http://www.tpsgc-pwgsc.gc.ca/esc-src/introduction-eng.html>) website.

6.2 Financial Capability

SACC Manual clause [A9033T](#) (2012-07-16), Financial Capability

6.3 Controlled Goods Requirement

SACC Manual clause [A9130T](#) (2014-11-27), Controlled Goods Program

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PART 7 - RESULTING CONTRACT CLAUSES

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

7.1 Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work in Annex A and the Contractor's technical and Managerial Bid entitled , dated (***will be inserted at contract award***).

7.2 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-andguidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-andguidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

7.2.1 General Conditions

[2040 \(2018-06-21\)](#), General Conditions - Research & Development, apply to and form part of the Contract.

7.2.1.1 SACC Manual Clause

[K3410C \(2015-02-25\)](#) Canada to Own Intellectual Property Rights in Foreground Information

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

7.2.2 Supplemental General Conditions

[4002 \(2010-08-16\)](#), Software Development or Modification Services, apply to and form part of the Contract.

7.3 Security Requirements for Canadian Supplier

1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid Facility Security Clearance at the level of **SECRET**, issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
2. This contract includes access to **Controlled Goods**. Prior to access, the contractor must be registered in the Controlled Goods Program of Public Works and Government Services Canada (PWGSC).
3. The Contractor/Offeror personnel requiring access to **CLASSIFIED/PROTECTED NON RESTRICTED** information, assets or sensitive work site(s) must EACH hold a valid personnel security screening at the **SECRET or RELIABILITY STATUS, as required**, granted or approved by CISD/PWGSC.
4. The Contractor/Offeror personnel requiring access to **CLASSIFIED/PROTECTED RESTRICTED** information, assets or sensitive work site(s) **must be permanent resident of**

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Canada or a citizen of Canada or the United States or United Kingdom or Australia, or New Zealand and must EACH hold a valid personnel security screening at the level of SECRET or RELIABILITY STATUS, as required, granted or approved by CISD/PWGSC.

5. The Contractor/Offeror MUST NOT remove any **CLASSIFIED/PROTECTED** information or assets from the identified work site(s), and the Contractor/Offeror must ensure that its personnel are made aware of and comply with this restriction.
6. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of CISD/PWGSC.
7. The Contractor/Offeror must comply with the provisions of the:
 - a. Security Requirements Check List and security guide (if applicable), attached at Annex C
 - b. Industrial Security Manual (Latest Edition).

7.4 Term of Contract

7.4.1 Period of the Contract

The period of the Contract is from date of Contract to March 31st 2020 inclusive

7.5 Authorities

7.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Jonathan Hamel

Title: Procurement Specialist

Public Works and Government Services Canada, Acquisitions Branch

Address: 1550, Avenue d'Estimauville, Québec, QC G1J 0C7

Telephone: 418-649-2806

Email: jonathan.hamel@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.

7.5.2 Technical Authority (will be inserted at contract award)

The Technical Authority for the Contract is:

Name: _____

Title: _____

Address: _____

Telephone: ____-____-____

E-mail: _____.

The Technical Authority named above is the representative of the department or agency for whom the

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Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

7.5.3 Procurement Authority *(will be inserted at contract award)*

The Procurement Authority for the Contract is:

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

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

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.

7.5.4 Contractor's Representative

(will be inserted at contract award)

7.6 Proactive Disclosure of Contracts with Former Public Servants

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

7.7 Payment

7.7.1 Basis of Payment – Limitation of expenditure

The Contractor will be paid for its costs reasonably and properly incurred in the performance of the Work, in accordance with the Basis of payment in annex B, to a limitation of expenditure of _____\$ *(To be inserted at contract award)*. Customs duties are included and Applicable Taxes are extra.

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7.7.2 Limitation of Expenditure

1. Canada's total liability to the Contractor under the Contract must not exceed _____ \$ (*To be inserted at contract award*). Customs duties are included and Applicable Taxes are extra.
2. No increase in the total liability of Canada or in the price of the Work resulting from any design changes, modifications or interpretations of the Work, will be authorized or paid to the Contractor unless these design changes, modifications or interpretations have been approved, in writing, by the Contracting Authority before their incorporation into the Work. The Contractor must not perform any work or provide any service that would result in Canada's total liability being exceeded before obtaining the written approval of the Contracting Authority.

The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:

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

whichever comes first.

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

7.7.3 Time Verification

Time charged and the accuracy of the Contractor's time recording system are subject to verification by Canada, before or after payment is made to the Contractor. If verification is done after payment, the Contractor must repay any overpayment, at Canada's request.

7.8 Method of Payment – Progress payment

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](#), Claim for Progress Payment, and any other document required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- b. the amount claimed is in accordance with the basis of payment;
- c. the total amount for all progress payments paid by Canada does not exceed 90 percent of the total amount to be paid under the Contract;
- d. all certificates appearing on form [PWGSC-TPSGC 1111](#) have been signed by the respective authorized representatives.

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.

Progress payments are interim payments only. Canada may conduct a government audit and interim

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time and cost verifications and reserves the rights to make adjustments to the Contract from time to time during the performance of the Work. Any overpayment resulting from progress payments or otherwise must be refunded promptly to Canada.

7.8.1 SACC Manual Clauses

[A9117C \(2007-11-30\)](#), T1204 - Direct Request by Customer Department

7.9 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Direct Deposit (Domestic and International);
- b. Wire Transfer (International Only);

7.10 Invoicing Instructions - Progress Payment Claim - Supporting Documentation required

The Contractor must submit a claim for payment using form [PWGSC-TPSGC 1111](#), Claim for Progress Payment.

Each claim must show:

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

Each claim must be supported by:

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

Applicable Taxes must be calculated on the total amount of the claim before the holdback is applied. At the time the holdback is claimed, there will be no Applicable Taxes payable as it was claimed and payable under the previous claims for progress payments.

The Contractor must prepare and certify one (1) original and two (2) copies of the claim on form PWGSC-TPSGC 1111, and forward it to the Contracting Authority for certification.

**ATTN: Procurement support clerk - Claim
Public Works and Government Services Canada
601-1550 D'Estimauville
Québec, QC.
G1J 0C7**

The Contracting Authority will then forward the original and two (2) copies of the claim to the Technical Authority for appropriate certification after inspection and acceptance of the Work takes place, and onward submission to the Payment Office for the remaining certification and payment.

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

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7.11 Certifications and Additional Information

7.11.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

7.12 SACC Manual Clauses

[A3060C \(2008-05-12\)](#), Canadian Content Certification
[A9068C \(2010-01-11\)](#), Government Site Regulations
[A9006C \(2012-07-16\)](#), Defense Contract

7.13 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)*.

7.14 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- a. the Articles of Agreement;
- b. the supplemental general conditions [4002 \(2010-08-16\)](#), Software development of modification services;
- c. the general conditions [2040 \(2018-06-21\)](#), Research & Development;
- d. Annex A, Statement of Work;
- e. Annex B, Basis of Payment;
- f. Annex C, Security Requirement Check List
- g. the Contractor's bid dated _____ (insert date of bid) (If the bid was clarified or amended, insert at the time of contract award: "as clarified on ___" **or** "as amended on ___" and insert date(s) of clarification(s) or amendment(s))

7.15 Foreign Nationals (Canadian Contractor)

SACC Manual clause [A2000C \(2006-06-16\)](#), Foreign Nationals (Canadian Contractor)

7.16 Insurance

SACC Manual clause [G1005C \(2016-01-28\)](#), Insurance

7.17 Controlled goods Program

SACC Manual clause [A9131C \(2014-11-27\)](#), Controlled goods program
SACC Manual clause [B4060C \(2011-05-16\)](#), Controlled goods

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ANNEX A

STATEMENT OF WORK

1 TITLE

BATTLE MANAGEMENT FOR COALITION MARITIME THEATRE MISSILE DEFENCE

2 CONTEXT

Canada is a member of the Maritime Theatre Missile Defence (MTMD) Forum, an international group that aims to improve Maritime Integrated Air & Missile Defence (M-IAMD) capabilities within a coalition context. The MTMD activities are conducted through several Working Groups (WGs): Battle Management C4I; Coalition Distributed Engineering Plant; Modelling & Simulation; Open Architecture; Operational Requirements; Test Planning & Execution.

Currently, there is a strong desire among the MTMD Forum nations to work towards a Force Threat Evaluation and Weapons Assignment (F/TEWA) capability, which based on a consolidated force-level threat evaluation, would be capable of coordinating multiple engagements against multiple targets, using the appropriate combination of soft and hard kill effectors.

DRDC has been conducting various Science and Technology (S&T) activities that aim at developing and demonstrating advanced automation and decision support concepts and technologies for battle management tasks in the M-IAMD operations. The goal is to mitigate the effects of increased complexity and reduced decision/response timeframe induced by the modern air and missile threats. The results of these efforts, embedded into the Combat Resources Allocation Support (CORALS) prototype, represent a significant part of the Canadian contribution to the MTMD Forum activities. CORALS technology forms the core of the Royal Canadian Navy (RCN) F/TEWA solution proposed to the MTMD Forum.

The work under this contract is part of the Emerging Air & Missile Defence S&T project and supports the development, maturation and demonstration of CORALS, as a coalition F/TEWA solution, during various MTMD events and trials.

3 OBJECTIVE AND SCOPE

The objective of the work, to be performed under this contract, is to support the RCN involvement in the various MTMD working groups by developing, maturing, and demonstrating, during various events, a battle management capability for the coordinated conduct of F/TEWA tasks for coalition M-IAMD operations. To achieve this objective, the contractor must provide professional services and a multi-disciplinary team of qualified personnel.

While a detailed description of the work is provided in Section 4.4, the following define the scope of the work to be conducted:

- Extension, adaptation, and optimization of the battle management capabilities of the DRDC's CORALS technology to support F/TEWA tasks in coalition operations.
- Extension and improvement of CORALS Modelling and Simulation (M&S)-based testbed environment for demonstration, testing, and evaluation of the different battle management capabilities.
- Integration of CORALS and its M&S-based testbed with similar tools and solutions developed by other MTMD Forum nations and other Department of National Defence (DND) organizations.

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- Preparation, conduct, and documentation of demonstrations and experiments, in-lab and at sea, of the developed/used technologies and concepts.
- Contribution to and validation of the MTMD Forum interface standard definition for coalition F/TEWA.

The current SOW provides a list of requirements and deliverables. DRDC will use the latter to recommend options to the RCN and its international partners and allow them to make informed decisions regarding future investments in the area of coalition M-IAMD.

Section 4 provides the list of assumptions and constraints applicable to this contract. Section 5 gives a list of the tasks to be conducted under this contract and a description of the activities for each of these tasks. The deliverables of the task are listed in Section 6. Section 6.1 gives the latest deadline for delivery.

4 ASSUMPTIONS & CONSTRAINTS

The Contractor must take into consideration the following assumptions and constraints during the conduct of the work.

4.1 DEVELOPMENT APPROACH

- To reduce the risk and cost for the project, the Contractor must take as starting point and leverage prototypes, knowledge, solutions, capabilities, and concepts developed under previous and current DRDC/DND projects. If, in the implementation plans of the different tasks provided by the Contractor, the latter chooses to deviate from existing capabilities, concepts, technologies, solutions and prototype systems, this deviation must be supported by a comparative cost-benefit analysis and risk assessment, and submitted to the Technical Authority for approval.
- To keep the technical complexity as low as possible, the contractor must first consider reusing current project technologies for implementing new solutions. For instance, the Contractor must use Data Distribution Service (DDS) standard to integrate the different components/capabilities within the overall system. The Real-Time Innovations (RTI) DDS implementation of the standard has already been chosen and must be used. Other solutions/technologies can be added if deemed required by the Contractor and approved by the Technical Authority.
- The different components/capabilities to be used, improved, augmented or developed under this contract must: (i) Be integrated and work harmoniously with the other components/capabilities of the system and the overall system architecture; and (ii) Run in real-time.
- For the development and modification of different components/capabilities, the Contractor must use known tools, programming languages, standards, and operating systems for which a large community of users and proponents is already established.
- The Contractor shall follow and use, as well as improve and maintain, application lifecycle management practices, procedures, techniques, strategies and tools already established onto the development and demonstration environments of DRDC Valcartier Research Centre, for:
 - Requirements management
 - Definition of done
 - Artefact management
 - Source control
 - User interface design

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- Testing
 - Coding
 - Pair code review
 - Refactoring
 - Application versioning
 - Branching
 - Continuous integration
 - Continuous deployment
 - Documentation
- In order to keep both code base and architecture clean, maintainable and testable, the software engineering process supporting the development shall be inspired by Agile Software Development principles, patterns and practices.
 - The Unified Modelling Language (UML) shall be the preferred notation used for design and documentation. This will ensure that all team members have a common way to communicate and understand design artefacts.
 - In order to make sure that the construction of the software is well on its way, an iterative and incremental development approach shall be implemented. These iterations or cycles shall have clear objectives and will take place on a monthly basis.
 - During or after each development cycle, when deemed required by the Technical Authority, a detailed design and code walkthrough of the implemented solutions/changes shall be prepared and given by the Contactor.
 - At the end of each cycle, the Contractor shall demonstrate, in a dedicated environment, new or modified features included in the new build and prove that the software is working as expected and that it meets objectives of the cycle. Test run results shall be available for the Technical Authority to assess success of high-level tests (such as acceptance and integration tests) and low-level tests (such as unit tests). The relationship between the test results and the corresponding requirements should be clearly stated.

4.2 LOCATION OF WORK

Several of the capabilities, algorithms, and solutions to be used and/or developed will be based on classified doctrine and tactics documents and therefore will be inherently classified. In addition, the use of classified data and tactical scenarios will also be required for the design, development, and testing of various components of the target system.

- The majority of the non-sensitive work can be conducted at the Contractor's facility.
- All the work requiring access to Controlled Good and/or sensitive/CLASSIFIED material, estimated to at least 60% of the total effort, must be conducted at DRDC - Valcartier Research Centre or the DND facilities (e.g., CFMWC and/or CSSC-E in Halifax (NS)) identified by the Technical Authority. The contractor will, as needed, have to have access to DRDC and other DND facilities, and therefore must be cleared to access these sites.
- It is possible to conduct the 100 % of the scientific and technical work (*i.e.*, excluding Task 1) at DRDC – Valcartier Research Centre, if desired so by the Contractor.
- In the event the Contractor or any of his sub-contractors conduct some of the work outside DRDC – Valcartier Research Centre premises, the remote sites used must be suitably equipped for Teleconferencing or Video Tele-Conferencing (VTC) for participation in meetings as required.

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4.3 LANGUAGE OF WORK

- The work can be carried out in French or English.
- All deliverables must be in English.

4.4 DOCUMENTATION HANDLING

- All documentation and tools made available to the Contractor must be returned to DRDC at the end of the contract or earlier if so requested.

4.5 EXTERNAL PUBLICATIONS/COMMUNICATIONS

- Any manuscript for publication in magazines, newspapers or other, including presentation summaries, demonstrations, or other types of communications, must be submitted to the Technical Authority for revision and approval at least ninety (90) days before the date of the presentation or publication. 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.
- An explicit reference regarding federal government funding must be included, and it must be clearly mentioned that the content is the authors' responsibility.

5 TASKS

The work consists of six (6) tasks.

5.1 TASK 1: PROJECT MANAGEMENT

The Contractor must, throughout the duration of the contract, plan and hold a series of meetings and produce documents and reports related to project technical, managerial, and financial aspects of the project. Section 9 lists the categories of meetings to be held.

The Contractor will, when applicable, be responsible for establishing the agenda, providing the minutes, and producing the reports for the meetings. Unless specified otherwise, location for meetings will be DRDC – Valcartier Research Centre. The venue may be elsewhere if so warranted by the situation at hand, as agreed upon between the Contractor and the Technical Authority.

5.2 TASK 2: TEST, ANALYSIS, AND EVALUATION CAPABILITY

The Contractor must conduct the necessary work to design, implement, integrate, test, deploy, demonstrate, and document an advanced test, analysis, and evaluation capability, as an add-on to the existing CORALS battle management capability.

The Contractor must develop new or augment/improve automated collection of (but not restricted to) data transiting on the middleware, specific internal data related to algorithms, operator commands, and data exchanged between the force units. The developed/improved solution must:

- Allow for online and offline testing and performance evaluation of the overall system, with a focus on battle management capabilities. These tests and evaluations must use a set of objective metrics to validate operational and system requirements and quantify the effectiveness of the proposed solutions.
- Support both human-in-the-loop and Monte-Carlo types of experimentation.
- Allow recording and replaying all data for offline analysis of any system runs and any system component;
- Allow automatic (random) and manual variations of key parameters;

- Provide multiple and innovative visualization means;
- Allow for automated production of key parts of test and evaluation reports, such as generation and export of graphics and curves;
- Integrate and be compatible with CORALS and its stimulation and simulation capability; and
- Integrate and be compatible with the CFMWC test environments and CDEP infrastructures.

The Contractor must carry out the following sub-tasks for the development of the solution:

- Analysis and requirements generation
- Develop an incremental implementation plan and a test strategy
- Design and implement automated data collection, recording and reduction functionalities
- Design and implement automated analysis functionality. This functionality must include a tool for the management of the test and evaluation sessions, allowing the user to specify, among other things, the data to be analyzed and the metrics to be used
- Design and implement the visualisation functionality, including the interfacing with external tools.
- Integrate the capability with all other capabilities of the system
- Deploy the capability in DRDC lab(s) and at identified DND sites (e.g., CFMWC and CSSC-E in Halifax, NS).
- Produce capability documentation (can be combined with documentation of other tasks):
 - Software Requirements Specification (SRS)
 - Software Design Document (SDD)
 - Developer's Guide (DG)
 - Administrator Manual (AM)

5.3 TASK 3: ARCHITECTURE AND FRAMEWORK REFACTORIZING

In order to facilitate integration, reduce system complexity and better support rapid prototyping environment, the Contractor must, under this task review and restructure the current CORALS system architecture. This restructuration must improve scalability, maintainability and enable extensions and customization by third-party.

To execute this task, the contractor must review the current CORALS architecture and recommend improvements to reach a more flexible and modular framework. The new framework must be based on deployable, scalable, reusable and testable collaborating modules that communicate through well-defined interfaces. The framework must be well adapted for distributed real-time battle management systems and more specifically:

- Propose a standard configuration and versioning management solution supporting multiple versions or configurations of a module including various classifications.
- Manage system policies and information authority.
- Dynamically monitor and diagnose system performance to adapt deployed modules as required. For example, multiple instances of a module can be spawned to response to high demand.
- Support interchangeable and easily extendable modules.
- Be resilient to data flow and data quality variation.
- Allow a smooth transition from the current system architecture.
- Be based on industry recognized standards and principles.

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The contractor must:

- Review actual design and carefully redefine, when required, modules decomposition boundaries that are well suited to the domain. This should result in simplified capabilities and self-explanatory modules composition that facilitate dependencies management.
- Identify requirements for changes.
- Propose design solution for requirements approved by the Technical Authority
- Establish an incremental plan for developing and migrating to the approved framework. The plan must take into consideration the coexistence of the current and the new application framework.
- Produce all associated architecture and system documentation. The documentation includes, but is not limited to:
 - Software Requirements Specification (SRS)
 - Software Design Document (SDD)
 - Developer's Guide (DG)
- Produce executable small proofs of concepts that prove at a smaller scale that the new framework meets the requirements.
- Integrate in the new framework existing capabilities originating from other national or multi-national systems based on the military sponsor requirements.

5.4 TASK 4: INTEGRATION WITH LOCAL, NATIONAL, AND INTERNATIONAL FACILITIES

CORALS, the battle management system to be used, augmented, and/or improved under this contract will be used in various events and initiatives. These latter may be local to DRDC Valcartier Research Centre, have a national span implicating other DRDC labs and DND organizations, or involve international partners (mainly MTMD Forum).

Under this task, the Contractor must integrate CORALS with the facilities, tools, and solutions related to the various events, and test and document this integration. Depending on the specific interoperability requirements of each event, the integration may concern all or just a subset of the capabilities of CORALS. It is expected that the target facilities will use different technologies, architectures and tools. The integration work may therefore require the development of additional components such as gateways.

The Contractor must, under this task:

- Conduct analysis and identify and document integration requirements. Requirements will cover, but are not limited to:
 - New functions for CORALS
 - Modification of existing functions in CORALS
 - Interoperability with allies
 - Communication and networking
 - Hardware and equipment
 - Software
- Implement integration requirements upon approval by the Technical Authority. This effort covers, but is not limited to:
 - Propose design solution for requirements approved by the Technical Authority
 - Establish an incremental plan

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- Implementation of identified requirements
- Conduct unitary and integration tests
- Deploy the solution at the involved sites
- Update existing documentation when applicable to capture changes made. The documentation includes, but is not limited to:
 - Software Requirements Specification (SRS)
 - Software Design Document (SDD)
 - Administrator Manual (AM)
 - Developer's Guide (DG)
 - User Manual (UM)

5.5 TASK 5: INTERFACE STANDARD

Under this task, the Contractor must support the Force-Level Open Architecture Technical Specification (FLOATS) initiative led by the MTMD Open Architecture working group. The objective of FLOATS initiative is to develop a communication standard interface to enable interoperability between F/TEWA solutions proposed by the MTMD Forum participating nations.

The Contractor must, under this task:

- Participate, when required, in the FLOATS expert group meetings. The participation will be led by The contract Technical Authority. The exact number, agenda, dates, and locations of the meetings will be identified during the execution of the contract by the MTMD Forum nations.
- Extract information on, and document, the internal data structure used by CORALS.
- Make the required changes to the CORALS data model to help the FLOATS expert group derive an interface standard.
- Review and comment the draft standard.
- Identify the requirements for changes imposed by the standard to the current implementation of CORALS in order to guarantee its full compliance.
- Document requirements in a Software Requirements Specification (SRS) document.
- Assess the impact of these changes on the features, stability, and performance of CORALS.
- Provide a solution design for the requirements retained by the contract Technical Authority
- Document the solution design in a Software Design Document (SDD)
- Implement the solution and demonstrate to DRDC and DND representatives retained interoperability requirements
- Update existing documentation when applicable to capture changes made. The documentation includes, but is not limited to:
 - Software Requirements Specification (SRS)
 - Software Design Document (SDD)
 - Administrator Manual (AM)
 - Developer's Guide (DG)

5.6 TASK 6: DEMONSTRATION & TRIALS

Under this task, the Contractor must add new features, update, prepare, install and configure CORALS prototype, provided by DRDC, for in-lab demonstrations (up to 5 events) and in-lab analysis of data (up to 3 events). All the events will be led by the DRDC team. Their exact number, nature,

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dates and locations will depend on the availability and priorities of the RCN and the MTMD international partners. These will be identified during the execution of the contract.

The contractor must, for each target event:

- Conduct analysis to identify and document requirements in preparation of the event. Requirements will cover, but are not limited to:
 - New functions for CORALS
 - Modification of existing functions in CORALS
 - Hardware and equipment
 - Ship-to-ship connectivity
 - Interoperability with allies
 - Interface with controllers of ship's sensor and weapon systems
 - Software requirements
 - Data recording requirements
 - Physical environment (room layout, etc.)
 - Communication and networking requirements
- Add new features, update, prepare, and configure CORALS prototype and all the required applications and connections (CMS330, DDS, Link-16) to ensure that the prototype is ready. The activity will be carried-out in the DRDC (Valcartier) Naval Battle Management Lab. This effort covers, but is not limited to:
 - Implementation of identified requirements
 - Conduct unitary and integration tests
 - Deploy the system at the event sites
 - Preparation of the system for data recording and analysis
- Install and configure the version of the system (CORALS and all required applications) to be demonstrated or tested. This activity will be carried-out mainly in the DRDC (Valcartier) Naval Battle Management Lab. However, a portion of the work related to MTMD may have to be conducted in Halifax, Nova Scotia (at CSSC-E and/or CFMWC). This effort covers, but is not limited to:
 - Installation and configuration of all the components of CORALS
 - Installation and configuration of all the required third-party software
 - Configuration of all connections between the components
 - Testing of all the components and connections
 - Operation of CORALS during the event
 - When applicable, gathering of the operators' feedback/evaluation of CORALS prototype and capture requirements for future versions
- Assist the DRDC team diagnosis and fix problems encountered during the conduct of the event. The activity could be carried-out remotely from the DRDC (Valcartier) Naval Battle Management Lab, and on the site of the event, at CSSC-E and/or CFMWC.
- Log, extract and prepare data for post-event analysis. The activity will be carried-out mainly in the DRDC (Valcartier) Naval Battle Management Lab. However, a portion of the work related to MTMD may have to be conducted at CSSC-E and/or CFMWC. Note that the analysis itself is out of the scope and will be conducted by the DRDC team. This effort includes, but is not limited to:

- Changing CORALS prototype in order to allow the appropriate analysis of data
 - Installation and configuration of CORALS for the analysis
 - Interfacing CORALS with any third-party tools required for the analysis
 - Execution of the scenarios used for the conduct of the event
 - Replay of the data recorded during the event
 - Computation of metrics
- Update existing documentation when applicable to capture the changes made. The documentation includes, but is not limited to:
 - Software Requirements Specification (SRS)
 - Software Design Document (SDD)
 - Administrator Manual (AM)
 - Developer's Guide (DG)
 - User Manual (UM)

6 DELIVERABLES

<i>Deliverable</i>	<i>Tasks</i>	<i>Deliverables Description</i>
6.1	5.1	Progress review reports
6.2	5.1	Activity reports
6.3	5.1	Meeting agenda
6.4	5.1	Meeting minutes
6.5	5.1	Close-out report
6.6	5.2, 5.3, 5.4, 5.5, 5.6	Draft (applicable) documents
6.7	5.2, 5.3, 5.4, 5.5, 5.6	Final (applicable) documents
6.8	5.6	Activity report
6.9	5.2, 5.3, 5.4, 5.5, 5.6	CORALS Source code and binary

All documents (see definitions in Section 6.2) must be delivered in Word format. An Abstract must be submitted with each document. Final deliverables must be provided in soft copy form (USB Stick, CD, email, or shared space) as by the schedule specified in Section 6.1. Exceptions to these instructions require the approval of the Technical Authority.

Documents must be formatted in accordance with DRDC standard. The Technical Authority will provide the Contractor with publications standards. Particular attention must be given to the following requirements:

- The writing style and language are clear and understandable;
- The document is relevant and addresses the technical requirements;
- The document is well organized, logically, and technically correct;
- The interpretations and conclusions are sound and justified by the results; and
- The graphical illustrations are clear, relevant, and follow high quality standards.

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Note: Deliverable and/or material must be received at:

Defence Research and Development Canada –Valcartier Research Centre
Building 53
2459 Bravoure Road
Quebec, Quebec G3J 1X5
Canada

6.1 DEADLINE FOR DELIVERABLES

<i>Deliverable</i>	<i>Delivery Date</i>
6.1	1 week before each PRM
6.2	2 weeks after the end of the activity
6.3	1 week before the meeting
6.4	1 week after the meeting
6.5	16 March 2020
6.6	2 weeks after each event
6.7	16 March 2020
6.8	31 March 2020
6.9	1 weeks after each event
6.10	31 March 2020

6.2 DEFINITION OF DELIVERABLES

This section briefly describes the deliverables that apply to this contract. The detailed content requirement for each deliverable will be provided by the Technical Authority during the kick-off meeting or at the start of the corresponding task.

- **Progress Review Reports:** This report details the progress of the Contractor's work as required by the contract and the Statement of Work (SOW). The Progress Report must document in detail the Contractor's progress in relation to the approved plan. It must provide the status of the work achieved versus that planned during the period covered by this progress report, and highlight problem areas and the actions being taken to provide corrective measures.
- **Activity Reports:** The activity report must document discussions, feedback, results, and decisions resulting from ad hoc technical activities. These activities include, but are not limited to: design review; delivery review; demonstrations; and experimentations.
- **Meeting Agenda:** The agenda will provide all attendees with the structure and schedule of the different meetings (kick-off, progress review, design review, delivery review and close-out) as well as the preparatory work and decisions required from the meeting or review.
- **Meeting Minutes:** Minutes of all meetings taking place during the course of the contract must be used to record the business of the meeting and provide a formal record of the decisions made as a result of the meeting.
- **Close-out Report:** The Close-out Report must summarize the work done during the contract by the contractor. The report must review the objectives the contract and match them with the achievements. Also, major conclusions must be drawn and lessons learned documented. Based on the results of the contract, the contractor must make recommendations, in the report, about exploitable concepts, technologies and solutions and their characteristics.
- **Software Design Document (SDD):** The SDD captures the detailed design of an architecture, capability or system software component. SDD must include an incremental implementation

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plan. Iterative versions of the SDD will serve as an implementation roadmap for the software development. The SDD must include the design decisions and all details needed to implement/understand each capability/component. The document must also include the physical architecture, and hardware, software and interface specifications, when applicable. The SDD must to be updated for each major release of the software/capability.

- **Developer Guide (DG):** The developer guide contains all the information that a new developer needs in order to be able to read, understand, modify, and, test the code of the target capability/component. The DG must to be updated for each major release of the software/capability.
- **Administrator Manual (AM):** The AM contains all the information a new system administrator needs in order to be able to install, configure and run the whole system, or part thereof, from scratch onto new environments. The AM must to be updated for each major release of the software/capability.
- **User Manual (UM):** The UM contains all the information that the end user needs in order to be able to use the whole system, or part thereof for the first time. The UM must to be updated for each major release of the software/capability.
- **Technical Report (TR):** The TR documents and discusses scientific and technical work and the corresponding results and present recommendations.

7 SECURITY

Several of the capabilities, algorithms, and solutions to be used and/or developed will be based on classified doctrine and tactics documents and therefore will be inherently classified. In addition, the use of classified data and tactical scenarios will also be required for the design, development, and testing of various components of the target system.

8 TRAVEL

Since the Contractor may be required to travel to the various locations to carry out the work described in this Contract, the budget includes a provision for travel and leaving that must not exceed **\$40k**. The list of potential locations is given below.

- Valcartier: If members of the team proposed by the Contractor are not located in Quebec City
 - **Tasks:** All
 - **Location :** DRDC – Valcartier Research Centre
 - **Duration :** 1 day per trip
 - **Frequency:** 4-5 trips
- Halifax:
 - **Tasks:** 2, 4, and 6 (mainly)
 - **Location :** CFMWC and CSSC-E
 - **Duration :** 2-3 days per trip
 - **Frequency:** 2-3 trips
- Various:
 - **Tasks:** 5 and 6 (mainly)
 - **Location:** Depending on meeting planning and availability of ships for exercises
 - **Details:** To be determined

9 MEETINGS

The following lists the categories of meetings to be held:

- **Kick-Off Meeting:** Within one week of Contract Award, the Contractor must organize a kick-off meeting to review the proposed plan.
- **Progress Review Meetings (PRMs):** Regular PRMs must be held throughout the duration of the contract. As a general rule, PRMs should be scheduled once per month, but may be advanced or delayed as required to coincide with the completion of a major milestone, design review, or product review. As a minimum, the PRMs must include a presentation outlining the items detailed in the progress review report, a review of action items that arose from the previous PRM, a review of submitted reports and the selection of the date, time and venue of the next PRM. At least ten (10) working day notice will be given prior to scheduling a PRM.
- **Design Review Meetings:** This series of meetings will involve DRDC team members and the Contractor's appropriate personnel. The meetings aim at reviewing the design of architectural items, capability, or a key component upon completion of the design of each major release.
- **Product Review Meetings:** This series of meetings will involve DRDC team members and the Contractor's appropriate personnel. The meetings aim at reviewing the delivery of full functional major release of architecture, capability, or a key component after a series of development iterations and tests.
- **Close-out Meeting:** The Contractor must plan and hold a close-out meeting during which the objectives of the contract will be reviewed, with the Technical Authority, and matched with the achievements. Also, major conclusions and lessons learned must be presented and discussed. The Contractor must also present the results of the contract and demonstrate working versions of the developed capabilities to Canadian Forces (CF) and DND representatives..

10 GOVERNMENT FURNISHED INFORMATION (GFI)

Based the above assumption/constraints and requirements, the Contractor will be granted access to various GFI. A non-exhaustive list is given below.

- **On DRDC Valcartier Premises**
 - Scenarios and vignettes scripts, description, and related documentation
 - Battle management Concept of Operations (CONOPS) description and related documentation
 - Existing operational and system requirements and specifications database, and related documentation
 - Source code of CORALS and all the associate applications and components owned by Canada.
 - All required third-party applications and their licenses
 - All CORALS classified and Controlled Goods documentation
 - Sharepoint sites
- **On Contractor Premises** (This only on an as-needed basis)
 - CORALS Unclassified/non-Controlled Goods documentation
 - Source code of Unclassified/non-Controlled Goods CORALS components
 - Unclassified/non-Controlled Goods third-party applications and their licenses
 - Unclassified/non-Controlled Goods Sharepoint sites

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The GFI will be provided to the contractor on contract award only. This restriction is required because the information is either sensitive with limited distribution or classified, and therefore cannot be released publicly.

Note that all GFI will be provided in its language of original publication (English or French) only.

11 GOVERNMENT FURNISHED EQUIPMENT (GFE)

Based the above assumption/constraints and requirements, the Contractor will be granted access to various GFE. A non-exhaustive list is given below.

- **On DRDC Valcartier Premises**
 - Naval Battle Management Lab, both development and deployment sections
 - Both development and deployment hardware and software infrastructure, including all required development tools.
- **On other DND Premises**
 - Test environments and associated tools

12 GOVERNMENT SUPPLIED MATERIAL (GSM)

None.

13 ACRONYMS

AM	Administrator Manual
C2	Command and Control
CFMWC	Canadian Forces Maritime Warfare Center
CF	Canadian Forces
CONOPS	Concepts of Operations
CORALS	Combat Resources Allocation Support
COTS	Commercial Off-The-Shelf
DDS	Data Distribution Service
DG	Developer Guide
DND	Department of National Defence
DRDC	Defence Research & Development Canada
EAMD	Emerging Air & Missile Defence
FLOATS	Force-Level Open Architecture Technical Specification
F/TEWA	Force Threat Evaluation & Weapons Assignment
GFE	Government Furnished Equipment
GFI	Government Furnished Information
GOTS	Government Off-The-Shelf
GSM	Government Supplied Material
IAMD	Integrated Air & Missile Defense
M&S	Modelling & Simulation
MTMD	Maritime Theatre Missile Defence
PRM	Progress Review Meeting

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RCN	Royal Canadian Navy
RTI	Real-Time Innovations
S&T	Science & Technology
SADM	Ship Air Defence Model
SDD	Software Design Document
SOW	Statement of Work
TR	Technical Report
UM	User Manual
UML	Unified Modeling Language
VTC	Video Tele-Conferencing

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ANNEX B

BASIS OF PAYMENT

1. For the Work described at Annex A "Statement of Work":

1.1 LABOUR:

The Contractor will be paid firm hourly rates as follows, for work performed in accordance with the Contract. Customs duties are included and Applicable Taxes are extra.

Category	Name	Firm hourly rate	
		From date of award to March 31 st 2019	From April 1 st 2019 to March 31 st 2020

Estimated cost for the duration of the contract: \$ _____
(Applicable taxes extra)

1.2 SUBCONTRACTS

At actual cost without markup

Estimated cost \$ _____
(Applicable taxes extra)

1.3 OTHER DIRECT EXPENSES

The Contractor will be reimbursed for the direct expenses reasonably and properly incurred in the performance of the Work. These expenses will be paid at actual cost without mark-up, upon submission of an itemized statement supported by receipt vouchers.

Estimated cost: \$ _____
(Applicable taxes extra)

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1.4 TRAVEL AND LIVING EXPENSES:

(a) Canada will not accept any travel and living expenses incurred by the Contractor in the performance of the Work, for:

(i) Services provided within 50 kilometres from Defence Research and Development Canada – Valcartier Research Centre, located at 2459 Route de la Bravoure, Quebec City, Quebec

(b) For services to be provided outside the Defence Research and Development Canada – Valcartier Research Centre, The Contractor will be reimbursed for the authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for overhead or profit, in accordance with the meal and private vehicle allowances specified in Appendices B, C and D of the [National Joint Council Travel Directive](#), and with the other provisions of the directive referring to "travellers", rather than those referring to "employees". Canada will not pay the Contractor any incidental expense allowance for authorized travel.

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

Estimated cost: \$ 40 000.00
(Applicable taxes extra)

Estimated Cost to a Limitation of Expenditure: \$ _____
(Applicable taxes extra)

2. Note

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

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ANNEX C

SECURITY REQUIREMENTS CHECK LIST AND SUPPLEMENTAL CLASSIFICATION GUIDE

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

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ATTACHMENT 1 TO PART 3

FINANCIAL BID PRESENTATION SHEET

The price of the bid will be determined as follows:

1. The bidder must indicate the estimated level of effort per resource category as an approximation of requirements for the duration of the contract.
2. The Bidder must complete the following table at section 1.1 identifying price information for year one through year two. Bidder must indicate a firm hourly rate.
3. Total Bid Price for Evaluation Purposes = Total estimated cost for section 1.1 + 1.2 + 1.3 + 1.4 = Total estimated cost of the bid.
4. Prices must be in Canadian dollars, Applicable Taxes excluded, FOB destination, Canadian customs duties and excise taxes included.

1.1 LABOUR:

The Contractor will be paid firm hourly rates as follows, for work performed in accordance with the Contract. Customs duties are included and Applicable Taxes are extra.

Category	Name	Firm hourly rate		Estimated level of effort (number of hours) (c)
		From date of award to March 31 st 2019 (a)	From April 1 st 2019 to March 31 st 2020 (b)	

Estimated cost: \$ _____ (a x c) + (b x c)
 (Applicable taxes extra)

1.2 SUBCONTRACTS
 At actual cost without markup

Estimated cost: \$ _____
 (Applicable taxes extra)

1.3 OTHER DIRECT EXPENSES

The Contractor will be reimbursed for the direct expenses reasonably and properly incurred in the performance of the Work. These expenses will be paid at actual cost without mark-up, upon submission of an itemized statement supported by receipt vouchers.

Estimated cost: \$ _____
 (Applicable taxes extra)

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1.4 TRAVEL AND LIVING EXPENSES:

(a) Canada will not accept any travel and living expenses incurred by the Contractor in the performance of the Work, for:

(i) Services provided within 50 kilometres from Defence Research and Development Canada – Valcartier Research Centre, located at 2459 Route de la Bravoure, Quebec City, Quebec

(b) For services to be provided outside the Defence Research and Development Canada – Valcartier Research Centre, The Contractor will be reimbursed for the authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for overhead or profit, in accordance with the meal and private vehicle allowances specified in Appendices B, C and D of the [National Joint Council Travel Directive](#), and with the other provisions of the directive referring to "travellers", rather than those referring to "employees". Canada will not pay the Contractor any incidental expense allowance for authorized travel.

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

Estimated cost: \$40 000.00

Total estimated cost for sections 1.1 + 1.2 + 1.3 + 1.4 = \$ _____
(Applicable taxes extra)

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ATTACHMENT 2 TO PART 3

ELECTRONIC PAYMENT INSTRUMENTS

The Bidder accepts to be paid by any of the following Electronic Payment Instrument(s):

- Direct Deposit (Domestic and International);
- Wire Transfer (International Only);

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ATTACHMENT 1 TO PART 4

MANDATORY AND POINT RATED EVALUATION CRITERIA

1. Mandatory technical (MT) criteria

1.1 These criteria are deemed mandatory by DRDC as the minimum necessary competence and capability for undertaking the work. Mandatory requirements are evaluated on a pass or fail basis. Therefore, no point rating is associated with them. Proposals not meeting all mandatory criteria will be deemed non-responsive.

1.2 Except where expressly provided otherwise, the experience described in the bid must be the experience of one or more of the following:

- A. The Bidder itself (which includes the experience of any companies that formed the Bidder by way of a merger but does not include any experience acquired through a purchase of assets or an assignment of contract); or
- B. The Bidder's affiliates (*i.e.*, parent, subsidiary or sister corporations), provided the Bidder identifies and demonstrates the transfer of know-how, the use of toolsets and the use of key personnel from the affiliate for the applicable criterion; or
- C. The Bidder's subcontractors provided the Bidder includes a copy of the teaming agreements and identifies the roles and responsibilities of all parties under the agreement and how their work will be integrated.

The experience of the Bidder's suppliers will not be considered.

Table 1 - Summary of the Mandatory technical (MT) Criteria	
Evaluation Criteria	Ratings
MT1 - Corporate Experience	Pass or Fail
MT2 - Corporate Capability	Pass or Fail

MANDATORY TECHNICAL (MT) CRITERIA

MT1	<p><u>Corporate Experience</u></p> <p>The bidder must provide three (3) corporate reference contracts:</p> <ul style="list-style-type: none"> • With individual billed values of \$CAD 200,000.00 or more (including applicable taxes) for services rendered; • Awarded within the last 10 years from the original bid closing date of this Request for Proposal. • For services in development, maturation, integration, and demonstration of concepts, architecture, and/or solutions for defence and security applications. The individual contracts are not required to cover all these activities, but all three contracts together must cover all the above-stated activities. <p>Note: If more than three reference contracts are provided, only the three most recent ones will be evaluated. To demonstrate compliance with this criterion, the bidder must submit, for each of the reference contracts, a Bidder Response Table in Appendix A to Attachment 1 to Part 4.</p>										
MT2	<p><u>Corporate Capability</u></p> <p>Using a maximum of three (3) completed contracts, the bidder must demonstrate its experience in supplying resources in all of the key technical fields indicated in the Table 2 below. Each of the identified resources must have worked on at least one contract for a minimum period of six consecutive months within 10 years from the original bid closing date of this RFP.</p> <p>Note: To demonstrate compliance with this criterion, the bidder must complete the Bidder Response Table in Appendix B to Attachment 1 to Part 4</p> <table border="1" style="width: 100%;"> <tr> <td>Table 2 - Key technical fields</td> </tr> <tr> <td>Integrated Air & Missile Defence</td> </tr> <tr> <td>Threat Evaluation & Weapons Assignment</td> </tr> <tr> <td>Artificial Intelligence for Automation & Decision Support</td> </tr> <tr> <td>Trials & Experimentation</td> </tr> <tr> <td>Integration of Large-Scale Software Systems</td> </tr> <tr> <td>Data Distribution Service (DDS) Standard</td> </tr> <tr> <td>Object-Oriented Languages & Methodology</td> </tr> <tr> <td>Naval Warfare Modelling & Simulation Tools</td> </tr> <tr> <td>Project Management</td> </tr> </table>	Table 2 - Key technical fields	Integrated Air & Missile Defence	Threat Evaluation & Weapons Assignment	Artificial Intelligence for Automation & Decision Support	Trials & Experimentation	Integration of Large-Scale Software Systems	Data Distribution Service (DDS) Standard	Object-Oriented Languages & Methodology	Naval Warfare Modelling & Simulation Tools	Project Management
Table 2 - Key technical fields											
Integrated Air & Missile Defence											
Threat Evaluation & Weapons Assignment											
Artificial Intelligence for Automation & Decision Support											
Trials & Experimentation											
Integration of Large-Scale Software Systems											
Data Distribution Service (DDS) Standard											
Object-Oriented Languages & Methodology											
Naval Warfare Modelling & Simulation Tools											
Project Management											

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2. Technical / Management point rated (RT) criteria

Proposals meeting all the mandatory criteria will be evaluated and scored as specified in Table 3 "List of Evaluation Criteria and Associated Ratings".

Proposals that fail to obtain the required minimum number of points specified will be declared non-responsive. Each point rated technical criterion should be addressed separately.

The Bidder must achieve the minimum score requirement as indicated in Table 3. Bids will be evaluated according to the point-rated criteria as specified in Section 2.1 of this document: "Evaluation Criteria and Benchmark Statements".

The criteria are grouped under the following divisions: Technical, and Management.

2.1 Evaluation Criteria and Benchmark Statements

This document contains each point rated (RT) criterion supported by a set of benchmark statements (Weak, Limited, Adequate, Very Good, and Excellent). Each of these statements has a corresponding relative value:

Weak= 0% of maximum point rating
Limited= 25% of maximum point rating
Adequate= 50% of maximum point rating
Very good= 75% of maximum point rating
Excellent= 100% of maximum point rating

As an example, the maximum point rating for the **RT1 "Understanding of the context, scope and objectives of the work"** criterion is 30 points. If a Bid receives a "Very Good" for this criterion in the evaluation process, the score attributed will be:
75% of 30 points = 22.5 points (score)

Table 3 identifies:

The maximum point rating assigned to each criterion;
The maximum point rating possible for the overall score;
The minimum point rating required for the overall score.

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Table 3: List of Evaluation Criteria and Associated Ratings	
Evaluation Criteria	Ratings
Technical Criteria	
RT1 - Understanding of the context, scope and objectives of the work	30
RT2 - Methodology	20
Maximum Score	50
Managerial Criteria	
RT3 – Risk Management	20
RT4 – Team expertise and experience	30
Maximum Score	50
Maximum Overall Score	100
Minimum Overall Score Requirement	60

2.2 Cross-References to Evaluation Criteria in the Bid (Optional)

The Bidder should complete the following table 4 by indicating where in its Bid the information is found demonstrating how the proposal meets the evaluation criteria, in order to assist in the assessment of the Bid.

Table 4: Cross-References to Evaluation Criteria in the Bid	
Evaluation Criterion	Section(s) in the Bidder's proposal where the criterion is addressed.
RT1	
RT2	
RT3	
RT4	

2.3 Technical Criteria

RT1 - Understanding of the context, scope and objectives of the work

This criterion will assess the Bidder's understanding of the context, objectives, and scope of the project as described in the SOW.

The proposal is expected to clearly demonstrate the Bidder's understanding of the context, objectives, scope of the work. The bidder should provide a discussion to demonstrate an excellent and complete understanding of the fundamental objectives of each of the 6 tasks described in the SOW and how they define the scope of the work and contribute to its overall objective.

Excellent:

Demonstrated understanding of the context, scope and objectives is complete, in depth and thorough; **AND**

Discussion not limited to the content of the SOW; **AND**

The bidder uses his own words; **AND**

The bidder shows clearly an understanding of the direct and (potential) peripheral technical and scientific problems, their impact on the project, and the approaches to solve them; **AND**

The bidder addresses all aspects (context, scope and objectives) for all 6 tasks.

Very good:

Demonstrated understanding of the context, scope and objectives is complete and has acceptable depth; **AND**

Discussion not limited to the content of the SOW; **AND**

Bidder uses his own words; **AND**

Complete discussion of technical and scientific problems, but limited to direct problems only; **AND**

A maximum of 1 of the 6 tasks not covered in satisfactory way (as described just above) by the discussion.

Adequate:

Demonstrated understanding of the context, scope and objectives is acceptable with limited depth; **AND**

Discussion limited to the content of the SOW; **AND**

Bidder mixes his own words and SOW wording; **AND**

Limited discussion of technical and scientific problems, but limited to direct problems only; **OR**

A maximum of 2 of the 6 tasks not covered in satisfactory way (as described just above) by the discussion.

Limited:

Demonstrated understanding of the context, the scope and the objectives is limited in scope and depth; **AND**

Discussion limited to the content of the SOW; **AND**

Bidder only uses SOW wording; **AND**

No discussion of direct technical and scientific problems; **OR**

A maximum of 2 of the 6 tasks not covered by the discussion.

Weak:

Not enough evidence in the proposal to assess acceptable understanding of the context, the scope and the objectives; **AND**

Discussion limited to the content of the SOW; **AND**

Bidder only uses SOW wording; **AND**

No discussion of direct technical and scientific problems; **AND**

3 or more of the 6 tasks not covered by the discussion.

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RT2 – Methodology

This criterion will assess the Bidder's proposed methodology to carry out the work described in the SOW and its efficacy and likelihood of successfully completing the work.

The proposal is expected to detail the work plan that will be used to carry out the activities of each task described in the SOW. The proposal should, as a minimum, describe in detail the following elements of the methodology:

Resource Allocation: The proposal should clearly describe the team composition, as well as the role and responsibilities of each individual involved in the project, including those of any partners or sub-contractors. It should also identify for each, the level of effort and adequate back-up personnel. The proposal should make explicit the following for each task: level of effort (labour hrs) and specific personnel resource allocation.

Schedule: The proposal should detail the comprehensive plan that will be used to execute each task defined in the Statement of Work. Each Task should be subdivided into appropriate set of activities. Schedule should include the timeline for each activity, precedence relationships between tasks/activities, due dates of deliverables, Program Review Meetings, and other important events derived from the SOW.

Constraint Satisfaction: The proposal should detail the strategy to be used to satisfy the constraints provided in the SOW and minimize their impact on the conduct of the work.

Excellent:

Methodology is not limited to what is stated in the SOW; **AND**
Team structure and organization are well explained. Roles, responsibilities and level of effort are clearly described and fulfill the needs. A replacement plan is available; **AND**
Schedule is complete; clearly described, and realistic; **AND**
A well developed and tailored method to satisfy the constraints of the SOW, which includes a detailed description of means for minimizing impact. Methodology supported by evidence; **AND**
The proposed methodology addresses all aspects (resource allocation, schedule and constraints) for each of the tasks.

Very good:

Methodology is not limited to what is stated in the SOW; **AND**
Team structure and organization are well explained. Roles, responsibilities and level of effort are clearly described and fulfill the needs. A replacement plan is not available; **AND**
Schedule is complete and clearly described but feasibility not demonstrated; **AND**
A well developed and tailored method to satisfy the constraints of the SOW, which includes a detailed description of means for minimizing impact. Methodology not supported by evidence; **OR**
A maximum of 1 of the 6 tasks not covered in satisfactory way by the proposed methodology.

Adequate:

Methodology is limited to what is stated in the SOW; **AND**
Team structure and organisation explanation is acceptable. Roles, responsibilities and level of effort are described but not clearly. A replacement plan is not available; **AND**
Schedule is acceptable but not complete, nor clearly described. Feasibility is questionable; **AND**
A good method to satisfy the constraints of the SOW, but lack detailed description of means for minimizing impact. Methodology not supported by evidence; **OR**
A maximum of 2 of the 6 tasks not covered in satisfactory way by the proposed methodology.

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Limited:

Methodology is limited to what is stated in the SOW; **AND**
Team structure and organisation explanation is limited. Roles, responsibilities and level of effort are not described in satisfactory way. A replacement plan is not available; **AND**
Schedule is incomplete, not clearly described, and not realistic; **AND**
The method to satisfy the constraints of the SOW is limited and lacks description of means for minimizing impact. Methodology not supported by evidence; **OR**
A maximum of 3 of the 6 tasks not covered in satisfactory way by the proposed methodology.

Weak:

Not enough information in the proposal to assess methodology.

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2.4 Managerial criteria

RT3 - Risk Management

This criterion will assess the Bidder's proposed methodology to identify, assess, and mitigate risks associated with conduct of the work described in the SOW.

The proposal is expected to detail a plan that will be used to identify, assess, and mitigate the technical and programmatic risks anticipated for each of the six (6) tasks described in the SOW. The proposal should, as a minimum, describe in details the risk factors associated with the following elements:

- Availability of human resources
- Schedule
- Travel and Location of works
- Security requirements

and present for each of the identified risk factor, the information requested in Table 5.

Excellent:

Risk mitigation plan is not limited to the risk elements described above; **AND**

Risk mitigation plan clearly presented, complete, and feasible; **AND**

Risk mitigation plan backed by evidence **AND**

Using a credible approach, the overall risk to the project, with the proposed mitigation strategy, assessed to low by the bidder.

Very Good:

Risk mitigation plan is not limited to the risk elements described above; **AND**

Risk mitigation plan lacks clarity or completeness, and feasibility is not demonstrated; **AND**

Risk mitigation plan not backed by evidence **OR**

Using a credible approach, the overall risk to the project, with the proposed mitigation strategy, assessed medium-low by the bidder.

Adequate:

Risk mitigation plan is limited to the risk elements described above; **AND**

Risk mitigation plan lacks clarity or completeness, and feasibility is not demonstrated; **AND**

Risk mitigation plan not backed by evidence **OR**

Using a credible approach, overall risk to the project, with the proposed mitigation strategy, assessed medium by the bidder.

Limited:

Risk mitigation plan is limited to the risk elements described above; **AND**

Risk mitigation plan lacks clarity and completeness, and feasibility is not demonstrated; **AND**

Risk mitigation plan not backed by evidence **OR**

Overall risk to the project, with the proposed mitigation strategy, assessed medium-high by the bidder.

Weak:

Not enough information to assess risk mitigation plan; **OR**

Overall risk to the project, with the proposed mitigation strategy, assessed high by bidder.

Table 5 – Risk assessment matrix example

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Risk Factor	Likelihood	Impact	Mitigation Strategy
Risk factor #1 Limited availability of key documents	Low - Past experience demonstrates important number of different sources for patents and articles covering this subject.	Low - 5 000\$ to 10 000\$ cost growth to secure second source - 2 weeks schedule delay	- Secure at least 2 sources for each type of document
Risk Factor #2 [...]	[...]	[...]	[...]

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RT4 - Team Expertise and Experience

This criterion will assess the capability of the Bidder's proposed team to carry out the work described in the SOW.

The proposal is expected to detail the capability (education, knowledge, experience, expertise and complementarities) of the key resources of the proposed team, including subcontractors, identified to carry out the six (6) tasks described in the SOW.

The proposal should, as a minimum, describe in detail the following elements of the team:

Project Manager: The Bidder should identify his Project Manager and outline his/her qualifications. The proposed Project Manager should have led the delivery of a minimum of two (2) projects **AND** have a minimum of 36 months of demonstrated consecutive Project Management experience. The demonstrated experience should be directly related to the development, integration, and demonstration of concepts, architecture, and solutions for defence and security applications.

Technical Team: The Bidder must also identify the key members of the project's technical team and describe their qualifications and experience and how they relate to the SOW. The bidder should provide:

- Evidence that the proposed team has a combined experience in key technical areas identified in MT2 (Key technical areas necessary to perform the Work are identified in Table 2).
- Summary that describes qualification, experience of each member of the team. Detailed resumes must be provided in an Appendix to the bid for all resources, including the project manager.
- An organizational chart that illustrates the proposed team structure, including a description of the role and responsibilities of each member of the team.

Sub-Contractors: If sub-contracting is used, the same requirements apply to the resources of the prime and the sub-contractor(s).

Excellent:

The Project Manager identified has been involved in more than three (3) projects for development, maturation, integration, and demonstration of concepts, architecture, and/or solutions for defense and security applications; **AND**

The Project Manager identified has more than 60 months of demonstrated consecutive Project Management experience; **AND**

The expertise of the proposed team is demonstrated in all key technical areas identified in criteria MT2; **AND**

The roles and responsibilities of key team members are defined in an organizational chart; **AND**

The expertise of the proposed team demonstrates that it is capable of carrying out the work and highly likely to yield results that exceed expectations.

Very good:

The Project Manager identified has been involved in three (3) projects for development, maturation, integration, and demonstration of concepts, architecture, and/or solutions for defense and security applications; **AND**

The Project Manager identified has between 48 and 59 months of demonstrated consecutive Project Management experience; **AND**

The key personnel identified in the proposed team has been involved in projects similar in complexity and scope to what is requested in the SOW; **AND**

The expertise of the proposed team is demonstrated to cover at least 4 of the 6 in key technical

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areas identified in criteria MT2; **AND**

The roles and responsibilities of key team members are defined in an organizational chart; **AND**
The expertise of the proposed team demonstrates that it is capable of carrying out the work and likely to yield results that meet expectations.

Adequate:

The Project Manager identified has been involved in the delivery of 2 projects; **AND**
The Project Manager identified has between 36 and 47 months of demonstrated consecutive Project Management experience; **AND**
The key personnel identified in the proposed team has been involved in projects somewhat similar in complexity and scope to what is requested in the SOW; **AND**
The expertise of the proposed team is demonstrated to cover less than 4 of the 6 in key technical areas identified in criteria MT2; **AND**
The expertise of the proposed team demonstrates that it is reasonably capable of carrying out the work.

Limited:

The Project Manager identified has been involved in 1 or no project; **AND**
The Project Manager identified has less than 36 of demonstrated consecutive Project Management experience; **AND**
Information concerning the expertise of the key team members is incomplete; **OR**
The proposed team does not have the required skill-set and may not be capable of fulfilling all elements of the statement of work;

Weak:

Not enough information to assess the team capability.

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ATTACHMENT 1 to PART 4

APPENDIX A - BIDDER RESPONSE TABLE

Bidder Response Table	
MT1 - Corporate Experience	
<i>Bidder to replicate table for each of the three Corporate Reference Contracts</i>	
Corporate Reference Contract Description	(Bidder to Insert Data)
Client Particulars	Client Organization Name
	Address
	Contract or Purchase Order Number
	Contract or Project Title
	Client Name and Title
	Client Telephone Number
	Client E-mail Address
<p>Limited to one page, provide a brief description of the Bidder's contract in providing services in the Development, maturation, integration, and demonstration of concepts, architecture, and/or solutions for defence and security applications.</p> <p>Note: The individual contracts are not required to cover all these activities, but all three contracts together must cover all the above-stated activities.</p> <p>Provide a summary of the scope, list of resource categories provided and key responsibilities under the contract.</p>	
3. Specify contract start and end date (mm/yyyy to mm/yyyy)	
4. Specify total billed value (Canadian dollars, including applicable taxes)	

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APPENDIX B - BIDDER RESPONSE TABLE

Bidder Response Table MT2 - Corporate Capability					
Key Technical Areas	Resource name	Contract #	Work start date	Work end date	Duration (in months)
Integrated Air & Missile Defence					
Threat Evaluation & Weapons Assignment					
Artificial Intelligence for Automation & Decision Support					
Trials & Experimentation					
Integration of Large-Scale Software Systems					
Data Distribution Service (DDS) Standard					
Object-Oriented Languages & Methodology					
Naval Warfare Modelling & Simulation Tools					
Project Management					



**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 **MDN/DND** 2. Branch or Directorate / Direction générale ou Direction **DRDC/RDDC 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
The objective of this contract is to update, augment, develop, integrate, and demonstrate existing automation and decision support technologies and concepts to support coalition air and missile defence operations.

5. a) Will the supplier require access to Controlled Goods? / Le fournisseur aura-t-il accès à des marchandises contrôlées? No / Non 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? No / Non Yes / Oui

6. Indicate the type of access required / Indiquer le type d'accès requis

6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? / Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? (Specify the level of access using the chart in Question 7. c) / (Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c) No / Non Yes / Oui

6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. / Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé. No / Non 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? No / Non 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 NATO / OTAN Foreign / Étranger

7. b) Release restrictions / Restrictions relatives à la diffusion

No release restrictions / Aucune restriction relative à la diffusion <input checked="" type="checkbox"/>	All NATO countries / Tous les pays de l'OTAN <input type="checkbox"/>	No release restrictions / Aucune restriction relative à la diffusion <input type="checkbox"/>
Not releasable / À ne pas diffuser <input type="checkbox"/>		
Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays: CAN, US, UK, AUS, NZ, or permanent resident of Canada <input checked="" type="checkbox"/>	Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays: <input type="checkbox"/>	Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays: <input type="checkbox"/>

7. c) Level of information / Niveau d'information

PROTECTED A / PROTÉGÉ A <input checked="" type="checkbox"/>	NATO UNCLASSIFIED / NATO NON CLASSIFIÉ <input type="checkbox"/>	PROTECTED A / PROTÉGÉ A <input type="checkbox"/>
PROTECTED B / PROTÉGÉ B <input checked="" 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 checked="" type="checkbox"/>	NATO SECRET / NATO SECRET <input type="checkbox"/>	CONFIDENTIAL / CONFIDENTIEL <input type="checkbox"/>
SECRET / SECRET <input checked="" 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"/>



PART A (continued) / PARTIE A (suite)

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

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

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

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

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

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

- | | | | |
|---|---|--|--|
| <input checked="" type="checkbox"/> RELIABILITY STATUS
COTE DE FIABILITÉ | <input type="checkbox"/> CONFIDENTIAL
CONFIDENTIEL | <input checked="" type="checkbox"/> SECRET
SECRET | <input type="checkbox"/> TOP SECRET
TRÈS SECRET |
| <input type="checkbox"/> TOP SECRET - SIGINT
TRÈS SECRET - SIGINT | <input type="checkbox"/> NATO CONFIDENTIAL
NATO CONFIDENTIEL | <input 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 : Une partie des travaux sera effectuée dans des installations ou sur des plate-formes du MDN.

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

On DND premises, unscreened pers. may only access public/reception zone

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

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

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

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

PRODUCTION

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

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

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

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



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

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

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

SUMMARY CHART / TABLEAU RÉCAPITULATIF

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

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?
La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE? No / Non Yes / Oui

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

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?
La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE? No / Non Yes / Oui

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