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- TPSGC

11 Laurier St./11, rue Laurier

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Gatineau

Quebec

K1A 0S5

REQUEST FOR PROPOSAL DEMANDE DE PROPOSITION

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

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

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

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

Comments - Commentaires

Vendor/Firm Name and Address

Raison sociale et adresse du

fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

Defence Science Projects Division/Division des projets des sciences de la défense

Les Terrasses de la Chaudière

10, rue Wellington, 4e étage

Gatineau

Quebec

K1A 0S5

Title - Sujet Modelling & Simulation-Naval Radar Modelling and Simulation of Naval Radar Systems	
Solicitation No. - N° de l'invitation W7714-217882/A	Date 2021-10-15
Client Reference No. - N° de référence du client W7714-217882	
GETS Reference No. - N° de référence de SEAG PW-\$\$\$SL-017-39994	
File No. - N° de dossier 017sl.W7714-217882	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Standard Time EST on - le 2021-11-17 Heure Normale du l'Est HNE	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Monfette, Annick	Buyer Id - Id de l'acheteur 017sl
Telephone No. - N° de téléphone (873) 355-1907 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	

Instructions: See Herein

Instructions: Voir aux présentes

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

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PART 1 - GENERAL INFORMATION

1.1 Introduction

The bid solicitation is divided into seven (7) parts plus attachments and annexes, as follows:

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

The Annexes include the Statement of Work, the Basis of Payment, the Security Requirements Checklist, the Electronic Payment Instruments, the Federal Contractors Program for Employment Equity - Certification, and DND 626 Task Authorization Form.

1.2 Summary

- 1.2.1 The Radar Sensing and Exploitation (RSE) Section at Defence Research and Development Canada (DRDC) is carrying out a research and development (R&D) project in naval phased array radar. Shipborne phased array radars are the primary sensor for naval vessels, which operate in difficult interference and target environments. Furthermore, these environments change over time and vary with geographical location. This contract is required to support DRDC's research and development project in naval phased array radar.

Research at DRDC in naval phased array radar is focused on signal processing algorithms for the detection and tracking of targets within the radar's field of regard. Effective algorithms for the detection and tracking of individual targets are required [AD1, AD2]. In addition, radar resource management (RRM) algorithms are required to simultaneously schedule the detection and tracking tasks associated with multiple targets that may be present in the radar's field of regard [AD3].

DRDC has developed a modelling and simulation tool called Adapt_MFR, which is used to conduct simulation studies of detection, tracking and radar resource management techniques for naval phased array radars [AD4]. Adapt_MFR has been developed in Matlab and can model arbitrary radar scenarios. Simulation studies are conducted over a wide range of radar specifications, scenario geometries, clutter backgrounds, and target types. Simulated or experimental trials data must be processed using a variety of detection and/or tracking techniques. Detection, tracking, and radar scheduling performance metrics are measured and analyzed.

The Contractor must provide radar engineering services on an as-and-when required basis to simulate radar system performance in Adapt_MFR and to process radar data in Matlab that has

been generated through simulation or experimental trials. This Contract work is to directly support DRDC's research and development project in naval phased array radar.

This is a Task Authorization Contract, since the work to be carried out is defined in this SOW but the exact nature and timeframes of the required services, activities and deliverables will only be known as and when the services will be required during the period of the contract. Although the exact nature of the required services will only be known during the period of the contract, the Contractor must provide two senior radar engineers and one junior radar engineer.

The resulting contract will be for a four (4) year period with two (2) one year option periods.

- 1.2.2 There are security requirements 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 [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.
- 1.2.3 The requirement is subject to a preference for Canadian services.
- 1.2.4 This procurement is subject to the Controlled Goods Program. The [Defence production Act](#) defines Canadian Controlled Goods as certain goods listed in Canada's Export Control List, a regulation made pursuant to the Export and Import Permits Act (EIPA).
- 1.2.5 The Federal Contractors Program (FCP) for employment equity applies to this procurement; refer to Part 5 – Certifications and Additional Information, Part 7 - Resulting Contract Clauses and the annex titled Federal Contractors Program for Employment Equity – Certification.

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 (15) working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

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

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

The [2003](#) (2020-05-28) 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

2.2 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 in the bid solicitation.

Note: Bidders will need to submit using epost Connect for bids closing at the Bid Receiving Unit in the National Capital Region (NCR) the email address is:

tpsgc.dgareceptiondessoumissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions [2003](#), or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

Vendors must ensure they submit their requests before the closing time and date – ideally 6 business days prior. Once completed, one of the BRU employees will respond to their request and attach a bid submission guide which directs them as to how they can access the epost Connect services.

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

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 awarded to FPSs, bidders must provide the information required below before contract award. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to comply with Canada's request and meet the requirement within the prescribed time frame will render the bid non-responsive.

Definitions

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

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

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

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

Former Public Servant in Receipt of a Pension

As per the above definitions, is the Bidder a FPS in receipt of a pension? **Yes () No ()**

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

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

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with [Contracting Policy Notice: 2019-01](#) and the [Guidelines on the Proactive Disclosure of Contracts](#).

Work Force Adjustment Directive

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

If so, the Bidder must provide the following information:

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

2.4 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than ten (10) 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 Ontario.

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 **fifteen (15)** days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

2.7 Basis for Canada's Ownership of Intellectual Property

The Department of National Defence has determined that any intellectual property rights arising from the performance of the Work under the resulting contract will belong to Canada, on the following grounds as set out in the [Policy on Title to Intellectual Property Arising Under Crown Procurement Contracts](#): the main purpose of the contract, or of the deliverables contracted for, is to augment an existing body of Canada's background information as a prerequisite to the transfer of the augmented background to the private sector, through licensing or assignment of ownership (not necessarily to the original Contractor), for the purposes of commercial exploitation. Furthermore, the main purpose of the contract, or of the deliverables contracted for, is to deliver a component or subsystem that will be incorporated 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.

2.8 Bid Challenge and Recourse Mechanisms

- (a) Several mechanisms are available to potential suppliers to challenge aspects of the procurement process up to and including contract award.

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- (b) Canada encourages suppliers to first bring their concerns to the attention of the Contracting Authority. Canada's [Buy and Sell](#) website, under the heading "[Bid Challenge and Recourse Mechanisms](#)" contains information on potential complaint bodies such as:
- Office of the Procurement Ombudsman (OPO)
 - Canadian International Trade Tribunal (CITT)
- (c) Suppliers should note that there are **strict deadlines** for filing complaints, and the time periods vary depending on the complaint body in question. Suppliers should therefore act quickly when they want to challenge any aspect of the procurement process.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

Canada requests that bidders provide their bid in separate electronic files in a single transmission as follows:

Section I: Technical Bid: (one soft copy in PDF format)

Section II: Financial Bid: (one soft copy in PDF format)

Section III and IV: Certifications and Additional Information: (one soft copy in PDF format)

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

- (a) Use a numbering system that corresponds to the bid solicitation.

Bidders must quote the RFP number as part of the subject line in their bid submission.

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

Canada will not be responsible for any failure attributable to the transmission or receipt of the email bid. Canada will send a confirmation email to the bidders when the submission is received.

Section I: Technical Bid

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

The technical bid should 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.

Section II: Financial Bid

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

- a) A firm all-inclusive hourly rate for each category of resources listed in the Financial Bid Presentation Sheet detailed in Appendix 1 of this RFP.

The total amount of Applicable Tax is to be shown separately.

No travel and living expenses will be paid for services provided within the National Capital Region (NCR). Further, Canada will not accept any travel and living expenses for travel between the contractor's place of business and the NCR. All of these costs are to be included in the firm all-inclusive labour rates requested above.

The information should be provided in accordance with the Financial Bid Presentation Sheet in Appendix 1 of this RFP.

- b) Prices must be in Canadian funds, Canadian customs duties and excise taxes included, and Applicable Tax excluded.

For the purpose of the bid solicitation, bidders with an address in Canada are considered Canadian-based bidders and bidders with an address outside of Canada are considered foreign-based bidders.

- c) The same firm all-inclusive hourly rate will be used for **Primary** resources as well as **Back-up** and any other additional future resources requested on each task authorization.

3.1.2 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex "D" Electronic Payment Instruments, to identify which ones are accepted.

If Annex "D" 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.

Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.

Section IV: Additional Information

3.1.4 Bidder's Security Clearance

3.1.4.1 The Company Security Officer must ensure through the Contract Security Program that the Bidder and proposed individuals hold a valid security clearance at the required level, as indicated in Part 6 – Security, Financial and Other Requirements.

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 financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.
- (c) The evaluation team will determine if there are two (2) or more bids with a valid Canadian content certification with the bids coming from two or more Bidders that are not affiliated within the meaning used in the Competition Act, R.S.C., 1985, c. C-34. In that event, only those bids with a valid certification will be eligible to be awarded a contract; otherwise, all bids will be eligible. If at any point in the evaluation process it is found, whether by determination of invalidity of certifications, determination that bids are non-responsive or withdrawal of bids by Bidders, that there are no longer two (2) or more responsive bids with a valid certification, then all responsive bids will be eligible to be awarded a contract. Canada may conduct the validation of Canadian content certifications at any time in the evaluation process including doing so concurrently with other steps.

4.1.1 Technical Evaluation

Mandatory and point rated technical evaluation criteria are included in Attachment 1.

4.1.2 Financial Evaluation

4.1.2.1 Mandatory Financial Criteria

Refer to Appendix 1 of this RFP – Financial Bid Presentation Sheet

4.2 Basis of Selection – Highest Combined Rating of Technical Merit and Price

1. To be declared responsive, a bid must:
 - a. comply with all the requirements of the bid solicitation; and
 - b. meet all mandatory criteria.
2. Bids not meeting (a) or (b) will be declared non-responsive.
3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 60% for the technical merit and 40% for the price.
4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by 60%.
5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and multiplied by 40%.
6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.

7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 60/40 ratio of technical merit and price, respectively. The total available point's equal 135 and the lowest evaluated price is \$45,000.

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

		Bidder 1	Bidder 2	Bidder 3
Overall Technical Score		115/135	89/135	92/135
Bid Evaluated Price		\$55,000.00	\$50,000.00	\$45,000.00
Calculations	Technical Merit Score	$115/135 \times 60 = 51.11$	$89/135 \times 60 = 39.56$	$92/135 \times 60 = 40.89$
	Pricing Score	$45/55 \times 40 = 32.73$	$45/50 \times 40 = 36.00$	$45/45 \times 40 = 40.00$
Combined Rating		83.84	75.56	80.89
Overall Rating		1st	3rd	2nd

APPENDIX 1 Financial Bid Presentation Sheet

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

The estimated level of effort per year specified is only an approximation of requirements given in good faith and is provided for financial bid evaluation purposes only. It does not represent a commitment by Canada.

The Bidder must complete the following table identifying costing information for year one through year four and the two option period years. Bidder must indicate a firm all-inclusive hourly rate. Total must identify rate multiplied by hours.

Total Bid Price for Evaluation Purposes = Cumulative Total for all work categories (H). Each work category total will be calculated as follows: Total (H) = (A x B) + (A x C) + (A x D) + (A x E) + (A x F) + (A x G)

Category Number	Labour Category	Estimated level of Effort (Hours per year) (A)	Firm Hourly Rate Contract Year 1 (B)	Firm Hourly Rate Contract Year 2 (C)	Firm Hourly Rate Contract Year 3 (D)	Firm Hourly Rate Contract Year 4 (E)	Firm Hourly Rate Option Period 1 Year 5 (F)	Firm Hourly Rate Option Period 2 Year 6 (G)	Total (H)
1	Two (2) Senior Radar Engineers	2*945	\$	\$	\$	\$	\$		\$
2	One (1) Junior Radar Engineer	1575	\$	\$	\$	\$	\$		\$
Total Bid Price for Evaluation Purposes only (Applicable taxes extra)									\$

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 Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the Integrity declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.1.2 Additional Certifications Required with the Bid

5.1.2.1 Canadian Content Certification

This procurement is conditionally limited to Canadian services.

Subject to the evaluation procedures contained in the bid solicitation, bidders acknowledge that only bids with a certification that the service offered is a Canadian service, as defined in clause [A3050T](#), may be considered.

Failure to provide this certification completed with the bid will result in the service offered being treated as a non-Canadian service.

The Bidder certifies that:

() the service offered is a Canadian service as defined in paragraph 2 of clause [A3050T](#).

5.1.2.1.1 SACC Manual clause [A3050T](#) (2018-12-06) Canadian Content Definition

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 section titled Information to be provided when bidding, contracting or entering into a real property agreement of the [Ineligibility and Suspension Policy](#)

(<http://www.tpsgc-pwgsc.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" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

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.

The Bidder must provide the Contracting Authority with a completed annex [titled Federal Contractors Program for Employment Equity - Certification](#), before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

5.2.3 Additional Certifications Precedent to Contract Award

5.2.3.1 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.

5.2.3.2 Education and Experience

5.2.3.2.1 SACC Manual clause [A3010T](#) (2010-08-16) Education and Experience

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 Controlled Goods Requirement

SACC *Manual* clause [A9130T](#) (2019-11-28) Controlled Goods Program

PART 7 - RESULTING CONTRACT CLAUSES

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

7.1 Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at Annex "A".

7.1.2 Task Authorization

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

7.1.2.1 Task Authorization Process

1. The Procurement Authority will provide the Contractor with a description of the task using the DND 626, Task Authorization Form specified in Annex F.
2. The Task Authorization (TA) will contain the details of the activities to be performed, a description of the deliverables, and a schedule indicating completion dates for the major activities or submission dates for the deliverables. The TA will also include the applicable basis and methods of payment as specified in the Contract.
3. The Contractor must provide the Procurement Authority, within five (5) calendar days of its receipt, the proposed total estimated cost for performing the task and a breakdown of that cost, established in accordance with the Basis of Payment specified in the Contract.
4. The Contractor must not commence work until a TA authorized by the Procurement Authority has been received by the Contractor. The Contractor acknowledges that any work performed before a TA has been received will be done at the Contractor's own risk.

7.1.2.2 Task Authorization Limit

The Procurement Authority may not authorize individual tasks.

All task authorizations to be issued must be authorized by the Contracting Authority before issuance.

7.1.2.3 Minimum Work Guarantee - All the Work - Task Authorizations

1. In this clause,

"Maximum Contract Value" means the amount specified in the "Limitation of Expenditure" clause set out in the Contract; and

"Minimum Contract Value" means 5%.

2. Canada's obligation under the Contract is to request Work in the amount of the Minimum Contract Value or, at Canada's option, to pay the Contractor at the end of the Contract in accordance with paragraph 3. In consideration of such obligation, the Contractor agrees to stand in readiness throughout the Contract period to perform the Work described in the

Contract. Canada's maximum liability for work performed under the Contract must not exceed the Maximum Contract Value, unless an increase is authorized in writing by the Contracting Authority.

3. In the event that Canada does not request work in the amount of the Minimum Contract Value during the period of the Contract, Canada must pay the Contractor the difference between the Minimum Contract Value and the total cost of the Work requested.
4. Canada will have no obligation to the Contractor under this clause if Canada terminates the Contract in whole or in part for default.

7.1.2.4 Periodic Usage Reports - Contracts with Task Authorizations

The Contractor must compile and maintain records on its provision of services to the federal government under authorized Task Authorizations issued under the Contract.

The Contractor must provide this data in accordance with the reporting requirements detailed below. If some data is not available, the reason must be indicated. If services are not provided during a given period, the Contractor must still provide a "nil" report.

The data must be submitted on a quarterly basis to the Contracting Authority.

The quarterly periods are defined as follows:

- 1st quarter: April 1 to June 30;
- 2nd quarter: July 1 to September 30;
- 3rd quarter: October 1 to December 31; and
- 4th quarter: January 1 to March 31.

The data must be submitted to the Contracting Authority no later than thirty (30) calendar days after the end of the reporting period.

Reporting Requirement- Details

A detailed and current record of all authorized tasks must be kept for each contract with a task authorization process. This record must contain:

For each authorized task:

- i. the authorized task number or task revision number(s);
- ii. a title or a brief description of each authorized task;
- iii. the total estimated cost specified in the authorized Task Authorization (TA) of each task, exclusive of Applicable Taxes;
- iv. the total amount, exclusive of Applicable Taxes, expended to date against each authorized task;
- v. the start and completion date for each authorized task; and
- vi. the active status of each authorized task, as applicable.

For all authorized tasks:

- i. the amount (exclusive of Applicable Taxes) specified in the contract (as last amended, as applicable) as Canada's total liability to the contractor for all authorized TAs; and
- ii. the total amount, exclusive of Applicable Taxes, expended to date against all authorized TAs.

7.1.2.5 Task Authorization - Department of National Defence

The administration of the Task Authorization process will be carried out by _____ (to be inserted at contract award). This process includes monitoring, controlling and reporting on expenditures of the contract with task authorizations to the Contracting Authority.

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

7.2.1 General Conditions

[2040](#) (2020-05-28), General Conditions - Research & Development, apply to and form part of the Contract.

7.2.2 General Conditions – Modifications

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

7.3 Security Requirements

- 7.3.1** The following security requirements (SRCL and related clauses provided by the Contract Security Program) apply and form part of the Contract.

SECURITY REQUIREMENT 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 Contract Security Program (CSP), 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 information, assets or sensitive site(s) must EACH hold a valid personnel security screening at the level of SECRET, granted or approved by the CSP, PWGSC.
4. The Contractor/Offeror MUST NOT remove any CLASSIFIED/ PROTECTED information or assets from the identified site(s), and the Contractor/Offeror must ensure that its personnel are made aware of and comply with this restriction.
5. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of the CSP, PWGSC.

6. The Contractor/Offeror must comply with the provisions of the:

- (a) Security Requirements Check List and security guide (if applicable), attached at Annex 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 (4) years inclusive.

7.4.2 Option to Extend the Contract

The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to (2) additional (1) year periods under the same conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions as set out in the Basis of Payment.

Canada may exercise this option at any time by sending a written notice to the Contractor at least (30) calendar days before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

7.5 Authorities

7.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Annick Monfette
Title: Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
Directorate: Innovation Procurement Directorate (IPD)
Address: 10 Wellington, St. 4th floor, Gatineau, QC K1A 0S5

Telephone: 873-355-1907
E-mail address: Annick.monfette@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 Procurement Authority

(To be inserted at contract award)

The Procurement Authority for the Contract is:

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

Telephone: ____-____-_____
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.

7.5.3 Technical Authority

(To be inserted at contract award)

The Technical Authority for the Contract is:

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

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

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

7.5.4 Contractor's Representative

(To be inserted at contract award)

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

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

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: 2019-01](#) of the Treasury Board Secretariat of Canada.

7.7 Payment

7.7.1 Basis of Payment – Task Authorization

One of the following types of basis of payment will form part of the approved Task Authorization (TA):

(a) Firm Unit Price(s) or Firm Lot Price TA

In consideration of the Contractor satisfactorily completing all of its obligations under the authorized Task Authorization (TA), the Contractor will be paid the firm lot price or the firm unit price(s), in accordance with the basis of payment, in Annex "B", as specified in the authorized TA. Customs duties are included and Applicable Taxes are extra.

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

(b) Ceiling Price TA

The Contractor will be reimbursed its costs reasonably and properly incurred in the performance of the Work, as determined in accordance with the Basis of Payment in Annex "B", to the ceiling price specified in the approved TA. Customs duties are included and Applicable Taxes are extra.

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

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

(c) TA subject to a Limitation of Expenditure

The Contractor will be reimbursed for the costs reasonably and properly incurred in the performance of the Work specified in the authorized Task Authorization (TA), as determined in accordance with the Basis of Payment in Annex "B", to the limitation of expenditure specified in the authorized TA.

Canada's liability to the Contractor under the authorized TA must not exceed the limitation of expenditure specified in the authorized TA. Customs duties are included and Applicable Taxes are extra.

No increase in the liability of Canada or in the price of the Work specified in the authorized TA 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 authorized, in writing, by the Contracting Authority before their incorporation into the Work.

7.7.2 Limitation of Expenditure – Cumulative Total of all Task Authorizations

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

7.7.3 Method of Payment

One of the following Methods of Payment will be used for the Task Authorizations, as and when applicable:

7.7.3.1 Single Payment

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

- (a) an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- (b) all such documents have been verified by Canada;
- (c) the Work delivered has been accepted by Canada.

7.7.3.2 Milestone Payments

1. Canada will make milestone payments in accordance with the Schedule of Milestones detailed in the Contract and the payment provisions of the Contract, 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 total amount for all milestone payments paid by Canada does not exceed 90 percent of the total amount to be paid under the Contract;
 - c. all the certificates appearing on form PWGSC-TPSGC 1111 have been signed by the respective authorized representatives;
 - d. all work associated with the milestone and as applicable any deliverable required have been completed and accepted by Canada.
- 2. The balance of the amount payable will be paid in accordance with the payment provisions of the Contract upon completion and delivery of the item if the Work has been accepted by Canada and a final claim for the payment is submitted.

7.7.3.3 Progress Payments

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:

- (i) an accurate and complete claim for payment using form PWGSC-TPSGC 1111 (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/1111.pdf>), Claim for Progress Payment, and any other document required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- (ii) the amount claimed is in accordance with the Basis of payment;
- (iii) the total amount for all progress payments paid by Canada does not exceed 90 percent of the total amount to be paid under the Contract;
- (iv) 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 the item 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 time and cost verifications and reserves the right to make adjustments to the Contract from time to time during the performance of the Work. Any overpayment resulting from progress payments or otherwise must be refunded promptly to Canada.

7.7.4 SACC Manual Clauses

A9117C (2007-11-30), T1204 - Direct Request by Customer Department

C0305C (2014-06-26), Cost Submission

7.7.5 Electronic Payment of Invoices – Contract

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

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

7.7.6 Discretionary Audit

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

7.8 Invoicing Instructions

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

Each claim must show:

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

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

- (a) a list of all expenses, in accordance with the TA;
- (b) a copy of time sheets to support the time claimed;
- (c) a copy of the release document and any other documents as specified in the Contract;
- (d) a copy of the invoices, receipts, vouchers for all direct expenses, travel and living expenses;
- (e) 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. Holdback is not applicable to Milestone Payment.

The Contractor must prepare and certify an original claim on Form PWGSC-TPSGC 1111, and forward it to the Contracting Authority for certification in an electronic format to the electronic mail address identified under section entitled "Authorities" of the Contract. Portable Document Format (.pdf) is acceptable. The Contracting Authority will then forward the certified claim, in an electronic format, to the Procurement 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 this claim is completed.

7.9 Certifications and Additional Information

7.9.1 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.

7.9.2 Federal Contractors Program for Employment Equity - Default by the Contractor

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

7.9.3 SACC Manual Clauses

[A3060C](#) (2008-05-12), Canadian Content Certification

7.10 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____ ([to be inserted at contract award](#)).

7.11 Priority of Documents

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

- (a) the Articles of Agreement;
- (b) the modification general conditions [K3410C](#) (2015-02-25) - Canada to Own Intellectual Property Rights in Foreground Information
- (c) the general conditions [2040](#) (2020-05-28) – General Conditions – Research and Development;
- (d) Annex A, Statement of Work;
- (e) Annex B, Basis of Payment;
- (f) Annex C, Security Requirements Check List;
- (g) the signed Task Authorizations (including all of its annexes, if any);
- (h) the Contractor's bid dated _____ ([to be inserted at contract award](#)).

7.12 Defence Contract

SACC Manual clause [A9006C](#) (2012-07-16) Defence Contract

7.13 Foreign Nationals (Canadian Contractor)

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

7.14 Insurance

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

7.15 Controlled Goods Program

SACC Manual clause [A9131C](#) (2014-11-27), Controlled Goods Program

Solicitation No. - N° de l'invitation
W7714-217882
Client Ref. No. - N° de réf. du client
W7714-217882

Amd. No. - N° de la modif.
File No. - N° du dossier
W7714-217882

Buyer ID - Id de l'acheteur
017sl
CCC No./N° CCC - FMS No./N° VME

7.16 Dispute Resolution

- (a) The parties agree to maintain open and honest communication about the Work throughout and after the performance of the contract.
- (b) The parties agree to consult and co-operate with each other in the furtherance of the contract and promptly notify the other party or parties and attempt to resolve problems or differences that may arise.
- (c) If the parties cannot resolve a dispute through consultation and cooperation, the parties agree to consult a neutral third party offering alternative dispute resolution services to attempt to address the dispute.
- (d) Options of alternative dispute resolution services can be found on Canada's Buy and Sell website under the heading "[Dispute Resolution](#)".

ANNEX "A"

STATEMENT OF WORK

1. TITLE

MODELLING AND SIMULATION OF NAVAL RADAR SYSTEMS

2. BACKGROUND

The Radar Sensing and Exploitation (RSE) Section at Defence Research and Development Canada (DRDC) is carrying out a research and development (R&D) project in naval phased array radar. Shipborne phased array radars are the primary sensor for naval vessels, which operate in difficult interference and target environments. Furthermore, these environments change over time and vary with geographical location. This contract is required to support DRDC's research and development project in naval phased array radar.

Research at DRDC in naval phased array radar is focused on signal processing algorithms for the detection and tracking of targets within the radar's field of regard. Effective algorithms for the detection and tracking of individual targets are required [AD1, AD2]. In addition, radar resource management (RRM) algorithms are required to simultaneously schedule the detection and tracking tasks associated with multiple targets that may be present in the radar's field of regard [AD3].

DRDC has developed a modelling and simulation tool called Adapt_MFR, which is used to conduct simulation studies of detection, tracking and radar resource management techniques for naval phased array radars [AD4]. Adapt_MFR has been developed in Matlab and can model arbitrary radar scenarios. Simulation studies are conducted over a wide range of radar specifications, scenario geometries, clutter backgrounds, and target types. Simulated or experimental trials data must be processed using a variety of detection and/or tracking techniques. Detection, tracking, and radar scheduling performance metrics are measured and analyzed.

The Contractor must provide radar engineering services on an as-and-when required basis to simulate radar system performance in Adapt_MFR and to process radar data in Matlab that has been generated through simulation or experimental trials. This Contract work is to directly support DRDC's research and development project in naval phased array radar.

This is a Task Authorization Contract, since the work to be carried out is defined in this SOW but the exact nature and timeframes of the required services, activities and deliverables will only be known as and when the services will be required during the period of the contract. Although the exact nature of the required services will only be known during the period of the contract, the Contractor must provide two senior radar engineers and one junior radar engineer.

3. ACRONYMS

AD	Applicable Document
DRDC	Defence Research and Development Canada
R&D	Research and Development
RRM	Radar Resource Management
RSE	Radar Sensing and Exploitation
SOW	Statement of Work
TA	Technical Authority

4. APPLICABLE DOCUMENTS & REFERENCES

AD1: van Rossum, W.L., Huizing, A.G., Comparison of MIMO radar concepts: detection performance, Proceedings of the IET International Conference on Radar Systems, October 2007, pp. 1–5.

AD2: Barton, D.K., Radar System Analysis and Modeling. Artech House, 2004.

AD3: Ding, Z., A survey of radar resource management algorithms, Proceedings of the 11th Canadian Conference on Electrical and Computer Engineering, May 2008, pp. 1559-1564.

AD4: Moo, P.W., Ding, Z., Coordinated radar resource management for networked phased array radars, IET Radar, Sonar & Navigation, October 2015, pp. 1021-1029.

5. TASKS

Tasks must be specified in the Statement of Work (SOW) of individual Task Authorizations. The general categories of tasks that the Contractor must support are described below.

- 5.1 The Contractor must implement naval radar scenarios in Adapt_MFR. The naval radar scenarios will be provided by the TA. This involves writing and executing Matlab software code to model all relevant aspects of the scenario, including radar system parameters, target characteristics, and the interference environment. The Contractor must generate a user's manual in English for any new Adapt_MFR capability
- 5.2 The Contractor must generate simulated radar data in Adapt_MFR. This involves specifying the input parameters for a specified scenario and executing Matlab code to generate simulated radar data.
- 5.3 The Contractor must process experimental or simulated radar data in Matlab. This involves writing Matlab code to model various detection and tracking techniques, and executing the Matlab code to process the radar data.
- 5.4 The Contractor must analyze processed radar data using Matlab and other software as required. This involves executing Matlab or other software code to compute metrics for detection, tracking and/or radar scheduling.

6. DELIVERABLES

Deliverables will be specified in the SOW of individual Task Authorizations. The general types of deliverables that the Contractor must provide are described below.

Number	Task Reference	Description of the Deliverables	Quantity and Format
6.1	5.1	Installed and tested Adapt_MFR software, Matlab source code, and a user's manual in English for new Adapt_MFR capability.	One soft copy of each.
6.2	5.3	Matlab source code for signal processing algorithms	One soft copy.
6.3	5.1, 5.2, 5.3, 5.4	Contract report describing the Matlab coding, Adapt_MFR simulations, and scenario analysis	One soft copy, in Word or Latex/PDF format.

		that was completed under an individual Task Authorization.	
6.4	5.1, 5.2, 5.3, 5.4	Meeting agenda and minutes.	One soft copy, in Word or Latex/PDF format.

7. DATE OF DELIVERY

Date of delivery for deliverables will be specified in the SOW of individual Task Authorizations. Typical dates of delivery for the deliverables that the Contractor must provide are described below.

Deliverable	Delivery date
6.1	Sixty days before the end date of the individual Task Authorization.
6.2	Thirty days before the end date of the individual Task Authorization.
6.3	On or before the end date of the individual Task Authorization.

8. LANGUAGE OF WORK

Unless otherwise indicated in this SOW, and unless specified in the individual Task Authorization the work must be carried out in English, and the deliverables produced in English. This is to match existing source code and documentation which is written in English. The resources must be fluent in the English language. Fluent means that the individuals must be able to communicate orally and in writing without any assistance and with minimal errors.

9. LOCATION OF WORK

Most of the work will be performed on Contractor site. Due to the release conditions of certain Government Supplied Materials, some work may need to be performed at DRDC located at:

Defence Research and Development Canada – Ottawa Research Centre
Building T-86
3701 Carling Ave
Ottawa ON
K1A 0Z4
Canada

The location of work will be specified in the SOW of individual Task Authorizations.

10. TRAVEL

The Contractor may be required to travel under this Contract. The travel may be in the National Capital Region (NCR), within Canada, or to the U.S., Australia, or Europe. Any travel destinations will be

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specified in individual Task Authorizations. The Contractor must obtain written approval from the Technical Authority prior to any travel related to this Contract. The Treasury Board Travel Directive will apply for any travel, accommodation and living expenses.

11. MEETINGS

Progress review meetings may be required during the contract period, and will be agreed upon by the Technical Authority and the Contractor. These meetings will be to discuss progress of the work, and will take place by videoconference or by phone whenever possible. The Contractor must prepare and deliver meeting agendas and minutes.

12. GOVERNMENT SUPPLIED MATERIAL (GSM)

DRDC will provide the Adapt_MFR software required for the development and operation of the simulation systems. DRDC will provide material required for the processing of radar data. GSM will be specified in the SOW of individual Task Authorizations.

13. GOVERNMENT FURNISHED EQUIPMENT (GFE)

GFE will be specified in the SOW of individual Task Authorizations.

14. SPECIAL CONSIDERATIONS

None.

ATTACHMENT 1

MANDATORY AND POINT RATED TECHNICAL CRITERIA

The Bidder must provide the necessary documentation to support compliance with this requirement.

- a) **For Proposed Resources:** The Technical bid must demonstrate that each proposed individual meets the qualification requirements described (including any educational requirements, and work experience requirement). With respect to the proposed resources:
- (i) Proposed resources may be employees of the Bidder or employees of a subcontractor, or these individuals may be independent contractors to whom the Bidder would subcontract a portion of the Work
 - (ii) For educational requirements for a particular degree, designation or certificate, Canada will only consider educational programmes that were successfully completed by the resource by the time of bid closing. If the degree, designation or certification was issued by an educational institution outside of Canada, the Bidder must provide a copy of the results of the academic credential assessment and qualification recognition service issued by an agency or organization recognized by a U.S. or Canadian academic credential assessment service (e.g., the Canadian Information Centre for International Credentials (CICIC)).
 - (iii) For any requirements that specify a particular time period (e.g., 24 months) of work experience, Canada will disregard any information about experience if the technical bid does not include the relevant dates (month and year) for the experience claimed (i.e., the start date and end date). Canada will evaluate only the duration that the resource actually worked on a project or projects (from his or her start date to end date), instead of the overall start and end date of a project or a combination of projects in which a resource has participated.
 - (iv) For work experience to be considered by Canada, the technical bid must not simply indicate the title of the individual's position, but must demonstrate that the resource has the required work experience by explaining the responsibilities and work performed by the individual while in that position. In situations in which a proposed resource worked at the same time on more than one project, the duration of any overlapping time period will be counted only once toward any requirements that relate to the individual's length of experience

Category of Resources

Two (2) different resumes must be provided **for the following resource category Senior Radar Engineer & one (1) resume for the Junior Radar Engineer** for bid evaluation purposes. Proposed candidates must be found in each category and must meet the minimum mandatory criteria for the category as outlined in the bid evaluation criteria:

- a. Two (2) Senior Radar Engineer
- b. One (1) Junior Radar Engineer

For each of the mandatory requirements listed below, the Proposed Resources should demonstrate using descriptions that include the following:

- a) Project Description and scope of the requirement that meets the identified criteria provided by the resource

- b) Project timeframe in date and total months (ex. Jan 2007 – Jan 2008 – 12 months) The month(s) of experience listed for a project or work whose time frame overlaps that of another referenced project or work experience, will only be counted once;
- c) Objective and outcome of the project
- d) Name of the client organization (to whom the services were provided)
- e) The name, title, telephone number and e-mail address of the Project Authority

The Bidder should clearly Cross Reference each Mandatory Criterion to Proposal.

1. MANDATORY EVALUATION CRITERIA

In their proposals, bidders must demonstrate they meet the following mandatory criteria. Failure to meet any of the mandatory criteria will render the bid non-compliant and it will be given no further consideration. Each bidder must propose 2 Senior Radar Engineers and 1 Junior Radar Engineer.

	CRITERIA	MET	NOT MET
M1	Both the Bidder's proposed senior radar engineer resources must have a Bachelor level University degree or higher from an accredited post-secondary institution, or equivalent as established by a recognized U.S. or Canadian academic credential assessment service, in any one or more of the following disciplines: engineering, mathematics, computer science or physics.		
M2	Both the Bidder's proposed senior radar engineering resources must have a minimum of 24 months within the last 60 months in Matlab programming.		
M3	Both the Bidder's proposed senior radar engineering resources must have a minimum of 24 months of demonstrated experience in implementing radar signal processing applications in Matlab related to any one of, or any combination of: <ul style="list-style-type: none">• radar detection;• radar tracking;• radar scheduling.		
M4	The Bidder's proposed junior radar engineering resource must have a Bachelor level University degree or higher from an accredited post-secondary institution, or equivalent as established by a recognized U.S. or Canadian academic credential assessment service, in any one or more of the following disciplines: engineering, mathematics, computer science or physics.		
M5	The Bidder's proposed junior radar engineering resource must have a minimum of 12 months experience within the last 60 months in using a scripting computer programming language. Examples of a scripting programming language include, but are not limited to, Matlab and Python.		

2. POINT-RATED EVALUATION CRITERIA

Point Rated Technical Criteria

For each of the point rated requirements listed below, the Proposed Resources should demonstrate using descriptions that include the following:

- a) Project Description and scope of the requirement that meets the identified criteria provided by the resource
- b) Project timeframe in date and total months (ex. Jan 2007 – Jan 2008 – 12 months) The month(s) of experience listed for a project or work whose time frame overlaps that of another referenced project or work experience, will only be counted once;
- c) Objective and outcome of the project
- d) Name of the client organization (to whom the services were provided)
- e) The name, title, telephone number and e-mail address of the Project Authority

The Bidder should clearly Cross Reference each Point Rated Technical Criterion to Proposal.

POINT-RATED EVALUATION CRITERIA

	POINT-RATED EVALUATION CRITERIA	Minimum	Maximum
P1	<p>Both the Bidder's proposed Senior Radar Engineering Resources should demonstrate using project description(s), that they have experience in Matlab programming:</p> <p>Senior Radar Engineer Resource #1</p> <ul style="list-style-type: none"> - 25 to 59 months: 1 point - 60 to 89 months: 2 points - 90 to 119 months: 3 points - 120 months or more: 4 points <p>Senior Radar Engineer Resource #2</p> <ul style="list-style-type: none"> - 25 to 59 months: 1 point - 60 to 89 months: 2 points - 90 to 119 months: 3 points - 120 months or more: 4 points 		8
P2	<p>Both the Bidder's proposed senior radar engineering resources should demonstrate using project description(s), that they have experience in implementing radar detection techniques in Matlab:</p> <p>Senior Radar Engineer Resource #1</p> <ul style="list-style-type: none"> - 23 months or less: 0 points - 24 to 47 months: 2 points - 48 to 83 months: 3 points - 84 months or more: 4 points <p>Senior Radar Engineer Resource #2</p>		8

	<ul style="list-style-type: none"> - 23 months or less: 0 points - 24 to 47 months: 2 points - 48 to 83 months: 3 points - 84 months or more: 4 points 		
P3	<p>Both the Bidder's proposed senior radar engineering resources should demonstrate using project description(s), that they have experience in implementing radar tracking techniques in Matlab:</p> <p>Senior Radar Engineer Resource #1</p> <ul style="list-style-type: none"> - 23 months or less: 0 points - 24 to 47 months: 2 points - 48 to 83 months: 3 points - 84 months or more: 4 points <p>Senior Radar Engineer Resource #2</p> <ul style="list-style-type: none"> - 23 months or less: 0 points - 24 to 47 months: 2 points - 48 to 83 months: 3 points - 84 months or more: 4 points 		8
P4	<p>Both the Bidder's proposed senior radar engineering resources should demonstrate using project description(s), that they have experience in implementing radar scheduling techniques in Matlab:</p> <p>Senior Radar Engineer Resource #1</p> <ul style="list-style-type: none"> - 23 months or less: 0 points - 24 to 47 months: 2 points - 48 to 83 months: 3 points - 84 months or more: 4 points <p>Senior Radar Engineer Resource #2</p> <ul style="list-style-type: none"> - 23 months or less: 0 points - 24 to 47 months: 2 points - 48 to 83 months: 3 points - 84 months or more: 4 points 		8
P5	<p>Both the Bidder's proposed senior radar engineer resources should demonstrate using project description(s), that they have experience in the modelling and simulation tool Adapt_MFR:</p> <p>Senior Radar Engineer Resource #1</p> <ul style="list-style-type: none"> - 23 months or less: 0 points - 24 to 47 months: 4 points - 48 to 83 months: 6 points - 84 months or more: 8 points <p>Senior Radar Engineer Resource #2</p> <ul style="list-style-type: none"> - 23 months or less: 0 points - 24 to 47 months: 4 points - 48 to 83 months: 6 points - 84 months or more: 8 points 		16
P6	<p>Both the Bidder's proposed senior radar engineering resources should demonstrate using project description(s), that they have experience in implementing machine learning techniques in software:</p> <p>Senior Radar Engineer Resource #1</p>		8

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	<ul style="list-style-type: none">- 11 months or less: 0 points- 12 to 23 months: 2 points- 24 to 35 months: 3 points- 36 months or more: 4 points		
	Senior Radar Engineer Resource #2 <ul style="list-style-type: none">- 11 months or less: 0 points- 12 to 23 months: 2 points- 24 to 35 months: 3 points- 36 months or more: 4 points		
TOTAL			56

ANNEX "B"

BASIS OF PAYMENT

1. LABOUR: at the following firm rates

Category Number	Labour Category	Firm Hourly Rate Contract Year 1	Firm Hourly Rate Contract Year 2	Firm Hourly Rate Contract Year 3	Firm Hourly Rate Contract Year 4	Firm Hourly Rate Option Period 1 Year 5	Firm Hourly Rate Option Period 2 Year 6
1	Two (2) Senior Radar Engineers	\$	\$	\$	\$	\$	\$
2	One (1) Junior Radar Engineer	\$	\$	\$	\$	\$	\$

2. EQUIPMENT: at laid down cost without markup **Est.: \$ TBD in each TA**

3. MATERIALS AND SUPPLIES: at laid down cost without markup **Est.: \$ TBD in each TA**

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 the National Capital Region (NCR). The National Capital Region (NCR) is defined in the *National Capital Act*, R.S.C. 1985, c.N-4, S.2. The *National Capital Act* is available on the Justice Website:
<http://laws.justice.gc.ca/eng/N-4/20100210/> and

(ii) any travel between the Contractor's place of business and the NCR.

(b) For services to be provided outside the NCR, the Contractor will be reimbursed its authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for profit and/or administrative overhead, in accordance with the meal and private vehicle expenses provided in Appendices B, C and D of the Treasury Board Travel Directive (<http://www.njc-cnm.gc.ca/directive/travel-voyage/s-td-dv-a3-eng.php>), and with the other provisions of the directive referring to "travellers", rather than those referring to "employees".

(c) Canada will not accept any travel and living expenses incurred by the Contractor as a consequence of any relocation of personnel required to satisfy the terms of this Contract.

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

Est.: \$ TBD in each TA

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Total Estimated Amount to a Limitation of Expenditure: Refer to Article 7.2 Limitation of Expenditure - Cumulative Total of all Task Authorizations of the Contract's terms and conditions.

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

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ANNEX "C"

SECURITY REQUIREMENT CHECK LIST



Government
of Canada

Gouvernement
du Canada

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

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE			
1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine		2. Branch or Directorate / Direction générale ou Direction	
DND		ADM(S&T)/DRDC ORC/RSE	
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 MODELLING AND SIMULATION OF NAVAL RADAR SYSTEMS			
5. a) Will the supplier require access to Controlled Goods? Le fournisseur aura-t-il accès à des marchandises contrôlées?		<input type="checkbox"/> No Non <input checked="" type="checkbox"/> Yes Oui	
5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques?		<input type="checkbox"/> No Non <input checked="" type="checkbox"/> Yes Oui	
6. Indicate the type of access required / Indiquer le type d'accès requis			
6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? (Specify the level of access using the chart in Question 7. c.) (Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c.)		<input type="checkbox"/> No Non <input checked="" type="checkbox"/> Yes Oui	
6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé.		<input checked="" type="checkbox"/> No Non <input type="checkbox"/> Yes Oui	
6. c) Is this a commercial courier or delivery requirement with no overnight storage? S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit?		<input checked="" type="checkbox"/> No Non <input type="checkbox"/> Yes Oui	
7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès			
Canada <input checked="" type="checkbox"/>		NATO / OTAN <input type="checkbox"/>	
Foreign / Étranger <input type="checkbox"/>			
7. b) Release restrictions / Restrictions relatives à la diffusion			
No release restrictions Aucune restriction relative à la diffusion <input checked="" type="checkbox"/>		All NATO countries Tous les pays de l'OTAN <input type="checkbox"/>	
Not releasable À ne pas diffuser <input type="checkbox"/>		No release restrictions Aucune restriction relative à la diffusion <input type="checkbox"/>	
Restricted to: / Limité à: <input type="checkbox"/>		Restricted to: / Limité à: <input type="checkbox"/>	
Specify country(ies): / Préciser le(s) pays:		Specify country(ies): / Préciser le(s) pays:	
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 B PROTÉGÉ B <input checked="" type="checkbox"/>		NATO RESTRICTED NATO DIFFUSION RESTREINTE <input type="checkbox"/>	
PROTECTED C PROTÉGÉ C <input type="checkbox"/>		NATO CONFIDENTIAL NATO CONFIDENTIEL <input type="checkbox"/>	
CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>		NATO SECRET NATO SECRET <input type="checkbox"/>	
SECRET <input checked="" type="checkbox"/>		COSMIC TOP SECRET COSMIC TRÈS SECRET <input type="checkbox"/>	
TOP SECRET TRÈS SECRET <input type="checkbox"/>		PROTECTED A PROTÉGÉ A <input type="checkbox"/>	
TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>		PROTECTED B PROTÉGÉ B <input type="checkbox"/>	
		PROTECTED C PROTÉGÉ C <input type="checkbox"/>	
		CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>	
		SECRET <input type="checkbox"/>	
		TOP SECRET TRÈS SECRET <input type="checkbox"/>	
		TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>	

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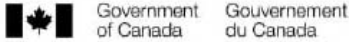
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PART A (continued) / PARTIE A (suite)

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

If Yes, indicate the level of sensitivity:

Dans l'affirmative, indiquer le niveau de sensibilité :

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

Short Title(s) of material / Titre(s) abrégé(s) du matériel :

Document Number / Numéro du document :

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

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

<input 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 :

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.

REMARQUE : Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

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

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

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

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

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

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

PRODUCTION

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

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

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

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

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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	SECRET	TOP SECRET	NATO RESTRICTED	NATO CONFIDENTIAL	NATO SECRET	COSMIC TOP SECRET	PROTECTED PROTÉGÉ			CONFIDENTIAL	SECRET	TOP SECRET
				CONFIDENTIEL		TRÈS SECRET	NATO DIFFUSION RESTREINTE	NATO CONFIDENTIEL				A	B	C	CONFIDENTIEL	
Information / Assets Renseignements / Biens Production																
IT Media / Support TI																
IT Link / Lien électronique																

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?
La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE?

☒ No
Non

☐ Yes
Oui

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

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?
La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE?

☒ No
Non

☐ Yes
Oui

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

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ANNEX "D"

ELECTRONIC PAYMENT INSTRUMENTS

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

- ☐ VISA Acquisition Card;
- ☐ MasterCard Acquisition Card;
- ☐ Direct Deposit (Domestic and International);
- ☐ Electronic Data Interchange (EDI);
- ☐ Wire Transfer (International Only);
- ☐ Large Value Transfer System (LVTS) (Over \$25M)

ANNEX "E" to PART 5 OF THE BID SOLICITATION

FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY – CERTIFICATION

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit [Employment and Social Development Canada \(ESDC\) – Labour's](#) website.

Date: _____ (YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

- ☐ A1. The Bidder certifies having no work force in Canada.
- ☐ A2. The Bidder certifies being a public sector employer.
- ☐ A3. The Bidder certifies being a [federally regulated employer](#) being subject to the [Employment Equity Act](#).
- ☐ A4. The Bidder certifies having a combined work force in Canada of less than 100 permanent full-time and/or permanent part-time employees.

A5. The Bidder has a combined workforce in Canada of 100 or more employees; and

- ☐ A5.1. The Bidder certifies already having a valid and current [Agreement to Implement Employment Equity](#) (AIEE) in place with ESDC-Labour.

OR

- ☐ A5.2. The Bidder certifies having submitted the [Agreement to Implement Employment Equity \(LAB1168\)](#) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC-Labour.

B. Check only one of the following:

- ☐ B1. The Bidder is not a Joint Venture.

OR

- ☐ B2. The Bidder is a Joint venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)

Buyer ID - Id de l'acheteur
017s1
CCC No./N° CCC - FMS No./N° VME

Solicitation No. - N° de l'invitation
W7714-217882
Client Ref. No. - N° de réf. du client
W7714-217882

Amd. No. - N° de la modif.
File No. - N° du dossier
W7714-217882

Buyer ID - Id de l'acheteur
017sl
CCC No./N° CCC - FMS No./N° VME

Instructions for completing DND 626 - Task Authorization

Contract no.
Enter the PWGSC contract number in full.

Task no.
Enter the sequential Task number.

Amendment no.
Enter the amendment number when the original Task is amended to change the scope or the value.

Increase/Decrease
Enter the increase or decrease total dollar amount including taxes.

Previous value
Enter the previous total dollar amount including taxes.

To
Name of the contractor.

Delivery location
Location where the work will be completed, if other than the contractor's location.

Delivery/Completion date
Completion date for the task.

for the Department of National Defence

Signature of the DND person who has delegated **Authority** for signing DND 626 (level of authority based on the dollar value of the task and the equivalent signing authority in the PAM 1.4). **Note:** the person signing in this block ensures that the work is within the scope of the contract, that sufficient funds remain in the contract to cover this task and that the task is affordable within the Project/Unit budget.

Services
Define the requirement briefly (attach the SOW) and identify the cost of the task using the contractor's quote on the level of effort. The Task must use the basis of payment stipulated in the contract. If there are several basis of payment then list here the one(s) that will apply to the task quote (e.g. milestone payments; per diem rates/labour category hourly rates; travel and living rates; firm price/ceiling price, etc.). All the terms and conditions of the contract apply to this Task Authorization and cannot be ignored or amended for this task. Therefore it is not necessary to restate these general contract terms and conditions on the DND 626 Task form.

Cost
The cost of the Task broken out into the individual costed items in **Services**.

GST/HST
The GST/HST cost as appropriate.

Total
The total cost of the task. The contractor may not exceed this amount without the approval of DND indicated on an amended DND 626. The amendment value may not exceed 50% (or the percentage for amendments established in the contract) of the original value of the task authorization. The total cost of a DND 626, including all amendments, may not exceed the funding limit identified in the contract.

Applicable only to PWGSC contracts
This block only applies to those Task Authorization contracts awarded by PWGSC. The contract will include a specified threshold for DND sole approval of the DND 626 and a percentage for DND to approve amendments to the original DND 626. Tasks that will exceed these thresholds must be passed to the PWGSC Contracting Authority for review and signature prior to authorizing the contractor to begin work.

Note:
Work on the task may not commence prior to the date this form is signed by the DA Authority - for tasks within the DND threshold; and by both DND and PWGSC for those tasks over the DND threshold.

Instructions pour compléter le formulaire DND 626 - Autorisation des tâches

N° du contrat
Inscrivez le numéro du contrat de TPSGC en entier.

N° de la tâche
Inscrivez le numéro de tâche séquentiel.

N° de la modification
Inscrivez le numéro de modification lorsque la tâche originale est modifiée pour en changer la portée.

Augmentation/Réduction
Inscrivez le montant total de l'augmentation ou de la diminution, y compris les taxes.

Valeur précédente
Inscrivez le montant total précédent, y compris les taxes.

A
Nom de l'entrepreneur.

Expédiez à
Endroit où le travail sera effectué, si celui-ci diffère du lieu d'affaires de l'entrepreneur.

Date de livraison/d'achèvement
Date d'achèvement de la tâche.

pour le ministère de la Défense nationale

Signature du représentant du MDN auquel on a délégué le **pouvoir d'approbation** en ce qui a trait à la signature du formulaire DND 626 (niveau d'autorité basé sur la valeur de la tâche et le signataire autorisé équivalent mentionné dans le MAA 1.4). **Note :** la personne qui signe cette attache de signature confirme que les travaux respectent la portée du contrat, que suffisamment de fonds sont prévus au contrat pour couvrir cette tâche et que le budget alloué à l'unité ou pour le projet le permet.

Services
Définissez brièvement le besoin (joignez l'ET) et établissez le coût de la tâche à l'aide de la soumission de l'entrepreneur selon le niveau de difficulté de celle-ci. Les modalités de paiement stipulées dans le contrat s'appliquent à la tâche. Si plusieurs d'entre elles sont prévues, énumérez ici celle/celles qui s'appliqueront à la soumission pour la tâche à accomplir (p.ex. acompte fondé sur les étapes franchies; taux quotidien ou taux horaire établi selon la catégorie de main-d'œuvre; frais de déplacement et de séjour; prix fixe ou prix plafond; etc.). Toutes les modalités du contrat s'appliquent à cette autorisation de tâche et ne peuvent être négligées ou modifiées quant à la tâche en question. Il n'est donc pas nécessaire de répéter ces modalités générales afférentes au contrat sur le formulaire DND 626.

Prix
Mentionnez le coût de la tâche en le répartissant selon les frais afférents à chaque item mentionné dans la rubrique **Services**.

TPS/TVH
Mentionnez le montant de la TPS/TVH, s'il y a lieu.

Total
Mentionnez le coût total de la tâche. L'entrepreneur ne peut dépasser ce montant sans l'approbation du MDN, formulaire DND 626 modifié à l'appui. Le coût de la modification ne peut pas être supérieur à 50 p. 100 du montant initial prévu dans l'autorisation de tâche (ou au pourcentage prévu dans le contrat pour les modifications). Le coût total spécifié dans le formulaire DND 626, y compris toutes les modifications, ne peut dépasser le plafond de financement mentionné dans le contrat.

Ne s'applique qu'aux contrats de TPSGC
Le présent paragraphe s'applique uniquement aux autorisations de tâche accordées par TPSGC. On inscrira dans le formulaire DND 626 un plafond précis qui ne pourra être approuvé que par le MDN et un pourcentage selon lequel le MDN pourra approuver des modifications au formulaire DND 626 original. Les tâches dont le coût dépasse ces plafonds doivent être soumises à l'autorité contractante de TPSGC pour examen et signature avant qu'on autorise l'entrepreneur à débiter les travaux.

Note :
Les travaux ne peuvent commencer avant la date de signature de ce formulaire par le responsable du MDN, pour les tâches dont le coût est inférieur au plafond établi par le MDN, et par le MDN et TPSGC pour les tâches dont le coût dépasse le plafond établi par le MDN.