



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Bid Receiving - PWGSC / Réception des
soumissions - TPSGC

11 Laurier St. / 11, rue Laurier

Place du Portage, Phase III

Core 0B2 / Noyau 0B2

Gatineau, Québec K1A 0S5

Bid Fax: (819) 997-9776

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

A SECURITY REQUIREMENT IS ASSOCIATED
WITH THIS PROCUREMENT.

Vendor/Firm Name and Address

Raison sociale et adresse du

fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

Electrical & Electronics Products Division

L'Esplanade Laurier

East Tower, 4th floor,

Ottawa

Ontario

K1A 0S5

Title - Sujet Wildland Fire Detection System Système de détection des feux de végétation	
Solicitation No. - N° de l'invitation 23507-220356/A	Date 2021-10-01
Client Reference No. - N° de référence du client 23507-220356	
GETS Reference No. - N° de référence de SEAG PW-\$\$HN-465-80456	
File No. - N° de dossier hn465.23507-220356	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 2021-11-23 Heure Normale du l'Est HNE	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Nadeau, Alexandra	Buyer Id - Id de l'acheteur hn465
Telephone No. - N° de téléphone (613) 296-9279 ()	FAX No. - N° de FAX (819) 953-4944
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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Appendix A - Photos of Towers must be requested by email to the Contracting Authority at alexandra.nadeau@tpsgc-pwgsc.gc.ca.

PART 1 - GENERAL INFORMATION

1.1 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 6 - 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 6 - 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.

1.2 Statement of Work

Natural Resources Canada has a requirement for the supply, delivery, installation, training and maintenance support of a Wildland Fire Detection System required at the Petawawa Research Forest (PRF) in Chalk River, ON.

The Contractor must provide the goods and services in accordance with the technical requirements and in the quantities stated herein at Annex A – Statement of Work and Annex B – Basis of Payment.

1.2.1 Delivery Requirement

Delivery and installation is requested to be completed by March 19, 2022.

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.

1.4 epost Connect service

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

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: 90 days

2.1.1 SACC Manual Clauses

SACC Reference	Section	Date
B1000T	Condition of Material	2014-06-26

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.

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.

Due to the nature of the Request for Proposal, transmission of bids by mail/courier to PWGSC Bid Receiving Unit (BRU) will not be accepted.

2.3 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.

2.4 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.

2.5 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.

(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 the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

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

- Section I: Technical Bid
 - Section II: Financial Bid
 - Section III: Certifications
 - Section IV: Additional Information
- Due to the nature of the Request for Proposal, transmission of bids by mail/courier to PWGSC Bid Receiving Unit (BRU) will not be accepted.
 - Prices should appear in the financial bid only. No prices should be indicated in any other section of the bid.

Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements in Annex A – Statement of Work and how they will carry out the Work.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment and Annex B.

3.1.1 Exchange Rate Fluctuation

The requirement does not offer exchange rate fluctuation risk mitigation. Requests for exchange rate fluctuation risk mitigation will not be considered. All bids including such provision will render the bid non-responsive.

3.1.2 Electronic Payment of Invoices – Bid (Bidder to complete)

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

- () 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)

If none are chosen, 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

3.1.3 Delivery Offered (Bidder to complete)

While delivery and installation is requested as indicated above, the best delivery and installation completion date that could be offered is _____.

3.1.4 Contractor Representatives (Bidder to complete)

Name and telephone number of the person responsible for:

General enquiries

Name: _____
Telephone: _____
Facsimile: _____
E-mail: _____

Delivery follow-up

Name: _____
Telephone: _____
Facsimile: _____
E-mail: _____

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.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

The following Mandatory requirements must be submitted with the bid for evaluation

- Technical compliance with all mandatory criteria as detailed in Annex A – Statement of Work.
- Mandatory Technical Evaluation as per Annex D – Evaluation Criteria Table 1 – Mandatory requirements; M1, M2, A1-A9 and B1-B18.

4.1.1.2 Point Rated Technical Criteria

Point Rated evaluation as per Annex D – Evaluation Criteria, Table 2 – Point Rated requirements; R1, R2, R3 and R4.

Bidders must obtain an overall pass score of 65 percent on the Point Rated Technical Proposal.

4.1.2 Financial Evaluation

The following Mandatory factors will be taken into consideration in the evaluation of each bid: Compliance with Pricing Basis;

The bid price will be determined by processing items at Annex B – Basis of Payment as follows:

- a. Sum of all items total price (unit price x qty.) including option years

4.1.2.1 Pricing Basis

The Bidder must quote firm lot prices in Canadian dollars, DDP Delivered Duty Paid (Chalk River, ON), Applicable Taxes extra, as applicable. Freight charges to destination and all applicable Custom duties and Excise taxes must be included, as applicable.

4.2 Basis of Selection

1. To be declared responsive, a bid must:
 - a. comply with all the requirements of the bid solicitation; and
 - b. meet all mandatory technical evaluation criteria; and
 - c. obtain the required minimum of 65 percent overall of the points for the technical evaluation criteria which are subject to point rating.
The rating is performed on a scale of 51 points.
2. Bids not meeting (a) or (b) or (c) will be declared non-responsive. The responsive bid with the lowest evaluated price on an aggregate basis will be recommended for award of a contract.

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 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.

5.2 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 provided 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) (<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 General Environmental Criteria Certification (Bidder to complete)

The Bidder must select and complete one of the following two certification statements.

- a) The Bidder certifies that the Bidder is registered or meets ISO 14001.

Bidders' Authorized Representative Signature

Date

or

b) The Bidder certifies that the Bidder meets and will continue to meet throughout the duration of the contract, a minimum of four (4) out of six (6) criteria identified in the table below.

Green Practices within the Bidders' organization	Insert a checkmark for each criterion that is met
Promotes a paperless environment through directives, procedures and/or programs	
All documents are printed double sided and in black and white for day to day business activity unless otherwise specified by your client	
Paper used for day to day business activity has a minimum of 30% recycled content and has a sustainable forestry management certification	
Utilizes environmentally preferable inks and purchase remanufactured ink cartridges or ink cartridges that can be returned to the manufacturer for reuse and recycling for day to day business activity.	
Recycling bins for paper, newsprint, plastic and aluminum containers available and emptied regularly in accordance with local recycling program.	
A minimum of 50% of office equipment has an energy efficient certification.	

Bidders' Authorized Representative Signature

Date

5.2.3 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/canada/esdc/labour's) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

Solicitation No. - N° de l'invitation
23507-220356/A
Client Ref. No. - N° de réf. du client
23507-220356

Amd. No. - N° de la modif.
File No. - N° du dossier
HN465. 23507-220356

Buyer ID - Id de l'acheteur
HN465
CCC No./N° CCC - FMS No./N° VME

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.

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Security Requirements

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

1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid Designated Organization Screening (DOS), issued by the Contract Security Program (CSP), Public Works and Government Services Canada (PWGSC).
2. The Contractor/Offeror personnel requiring access to PROTECTED information, assets or sensitive site(s) must EACH hold a valid RELIABILITY STATUS, granted or approved by the CSP, **PWGSC**.
3. The Contractor/Offeror MUST NOT remove any 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.
4. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of the CSP, **PWGSC**.
5. The Contractor/Offeror must comply with the provisions of the:
 - a) Security Requirements Check List and security guide (if applicable), attached at Annex C;
 - b) *Contract Security Manual* (Latest Edition).

6.2 Statement of Work

The Contractor must supply, deliver, install, provide training and provide maintenance support of a 'Semi-automated Fire Detection System' required at the Petawawa Research Forest (PRF) in Chalk River, ON for Natural Resources Canada.

The Contractor must provide the goods and services in accordance with the technical requirements and in the quantities stated herein at Annex A – Statement of Work and Annex B – Basis of Payment.

6.2.1 SACC Manual Clauses

SACC Reference	Section	Date
B1501C	Electrical Equipment	2018-06-21
B7500C	Excess Goods	2006-06-16

6.2.2 Optional Services

The Contractor grants to Canada the irrevocable option to acquire the described services at Annex A Section SW.4.1. note 5 - Service/Support of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, in whole or in part, through a contract amendment.

The Contracting Authority may exercise the option at any time before the expiry of the Contract by sending a written notice to the Contractor.

6.3 Standard Clauses and Conditions

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

6.3.1 General Conditions

[2010A](#) (2020-05-28), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.3.2 Supplemental General Conditions

[4001](#) (2015-04-01) Hardware Purchase, Lease and Maintenance, apply to and form part of the Contract.

[4003](#) (2010-08-16), Licensed Software, apply to and form part of the Contract, and the following additional clause.

[4004](#) (2013-04-25), Maintenance and Support Services for Licensed Software.

Intellectual property infringement and royalties

1. The Contractor represents and warrants that, to the best of its knowledge, neither it nor Canada will infringe any third party's intellectual property rights in performing or using the Work, and that Canada will have no obligation to pay royalties of any kind to anyone in connection with the Work.
2. If anyone makes a claim against Canada or the Contractor concerning intellectual property infringement or royalties related to the Work, that Party agrees to notify the other Party in writing immediately. If anyone brings a claim against Canada, according to [Department of Justice Act](#), R.S. 1985, c. J-2, the Attorney General of Canada must have the regulation and conduct of all litigation for or against Canada, but the Attorney

- General may request that the Contractor defend Canada against the claim. In either case, the Contractor agrees to participate fully in the defence and any settlement negotiations and to pay all costs, damages and legal costs incurred or payable as a result of the claim, including the amount of any settlement. Both Parties agree not to settle any claim unless the other Party first approves the settlement in writing.
3. The Contractor has no obligation regarding claims that were only made because:
- Canada modified the Work or part of the Work without the Contractor's consent or used the Work or part of the Work without following a requirement of the Contract; or
 - Canada used the Work or part of the Work with a product that the Contractor did not supply under the Contract (unless that use is described in the Contract or the manufacturer's specifications); or
 - the Contractor used equipment, drawings, specifications or other information supplied to the Contractor by Canada (or by someone authorized by Canada); or
 - the Contractor used a specific item of equipment or software that it obtained because of specific instructions from the Contracting Authority; however, this exception only applies if the Contractor has included the following language in its own contract with the supplier of that equipment or software: "[Supplier name] acknowledges that the purchased items will be used by the Government of Canada. If a third party claims that equipment or software supplied under this contract infringes any intellectual property right, [supplier name], if requested to do so by either [Contractor name] or Canada, will defend both [Contractor name] and Canada against that claim at its own expense and will pay all costs, damages and legal fees payable as a result of that infringement." Obtaining this protection from the supplier is the Contractor's responsibility and, if the Contractor does not do so, it will be responsible to Canada for the claim.
4. If anyone claims that, as a result of the Work, the Contractor or Canada is infringing its intellectual property rights, the Contractor must immediately do one of the following:
- take whatever steps are necessary to allow Canada to continue to use the allegedly infringing part of the Work; or
 - modify or replace the Work to avoid intellectual property infringement, while ensuring that the Work continues to meet all the requirements of the Contract; or
 - take back the Work and refund any part of the Contract Price that Canada has already paid.

If the Contractor determines that none of these alternatives can reasonably be achieved, or if the Contractor fails to take any of these steps within a reasonable amount of time, Canada may choose either to require the Contractor to do (c), or to take whatever steps are necessary to acquire the rights to use the allegedly

infringing part(s) of the Work itself, in which case the Contractor must reimburse Canada for all the costs it incurs to do so.

6.4 Term of Contract

6.4.1 Period of the Contract

The period of the Contract is from the date of Contract award to one year from date of final fully functional installation.

6.4.2 Delivery Date

All the deliverables must be received and installed on or before _____ (to be completed upon Contract award)

6.4.3 Option to Extend the Contract

The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to three (3) additional one (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 one (1) calendar day 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.

Option year 2 and/or Option year 3 may be exercised if either option year 1 or 2 respectively is not exercised. Canada must send a written notice at least one (1) calendar day before the expiry date of the Contract to the Contractor advising the intent to exercise the specific option year. A contract amendment must be issued each option year regardless if the option year is exercised or not in order to extend the contract validity. If written notice is not sent to the Contractor prior to any potential option year exercise, the contract will be deemed terminated

6.4.4 Delivery Points

Delivery of the requirement will be made to:

Petawawa Research Forest
1000 Clouthier Rd
Chalk River, ON
K0J 1J0

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Alexandra Nadeau – Supply Specialist
Public Works and Government Services Canada - Acquisitions Branch

Industrial Products and Vehicles Procurement Directorate- HN Division
4th Floor East Tower, L'Esplanade Laurier Bldg,
140 O'Connor St. Ottawa ON K1A 0R5
Telephone: 613-296-9279
E-mail address: Alexandra.nadeau@pwgsc-tpsgc.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.

6.5.2 Project Authority (to be completed upon Contract award)

The Project Authority for the Contract is:

Name: _____
Organization: _____
Telephone: _____
E-mail: _____

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

6.5.3 Contractor's Representative (to be completed upon Contract award)

Name and telephone number of the person responsible for:

General enquiries

Name: _____
Telephone: _____
Facsimile: _____
E-mail: _____

Delivery follow-up

Name: _____
Telephone: _____
Facsimile: _____
E-mail: _____

6.6 Payment

6.6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm lot prices, as specified in Annex B of the Contract for a cost of \$ _____ (insert the amount at contract award). 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 approved, in writing, by the Contracting Authority before their incorporation into the Work.

6.6.2 Limitation of Price

SACC Manual clause C6000C (2017-08-17) Limitation of Price

6.6.3 Multiple Payments

SACC Manual clause H1001C (2008-05-12) Multiple Payments

6.6.4 Electronic Payment of Invoices – Contract

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

- 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)

6.6.5 SACC Manual Clauses

SACC Reference	Section	Date
<u>G1005C</u>	Insurance	2016-01-28

6.7 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.

2. Invoices must be distributed as follows:

- (a) One copy must be emailed to the following address for certification and payment:

[NRCan.invoice imaging-service dimagerie des factures.RNCan@canada.ca](mailto:NRCan.invoice%20imaging-service%20dimagerie%20des%20factures.RNCan@canada.ca)

PDF format only accepted

- (b) One copy must be emailed to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

6.8 Certifications and Additional Information

6.8.1 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.

6.9 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____ (*insert the name of the province or territory as specified by the Bidder in its bid, if applicable*).

6.10 Priority of Documents

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

- (a) the Articles of Agreement;
- (b) the supplemental general conditions 4001 (2015-04-01) Hardware Purchase, Lease and Maintenance;
- (c) the supplemental general conditions 4003 (2010-08-16) Licensed Software;
- (d) the supplemental general conditions 4004 (2013-04-25) Maintenance and Support Services for Licensed Software;
- (e) the general conditions 2010A (2020-05-28), General Conditions - Goods;
- (f) Annex A, Statement of Work;
- (g) Annex B, Basis of Payment;
- (h) Annex C, Security Requirements Check List (SRCL);
- (i) the Contractor's bid dated _____ (*insert date of bid*).

6.11 SACC Manual Clauses (Delivery)

SACC Reference	Section	Date
<u>D2000C</u>	Marking	2007-11-30
<u>D2001C</u>	Labelling	2007-11-30
<u>D9002C</u>	Incomplete Assemblies	2007-11-30

6.11.1 Shipping Instructions - Delivery at Destination

Goods must be consigned to the destination specified in the Contract and Delivered Duty Paid –DDP– (Chalk River, ON) Incoterms 2000 for shipments from a commercial contractor.

6.11.2 Shipping – Scheduling

The Contractor must deliver and coordinate installation of the goods with _____ (*to be completed at contract award*)

6.12 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

SW.1.0 TITLE

PRF Wildland Fire Detection System

SW.2.0 BACKGROUND

The Petawawa Research Forest (PRF) is a 10,000-hectare (ha) research forest located in Chalk River, Ontario. The land, which the PRF is on, is owned by the Canadian Department of National Defence (DND), Garrison Petawawa, however, under a joint memorandum of understanding (MOU) the PRF is staffed and operated by Natural Resources Canada (NRCan). Under this MOU, NRCan is responsible for wildfire detection for the entire property, approximately 30,000 ha's. To date, fire detection on the property has been conducted using two fire towers with cupola's (27.5 and 38.5 metres tall) staffed with personnel who visually detect fires/smoke and triangulate the location. In 2018, the 38.5-metre tall tower was decommissioned limiting our ability to detect fire on the property. There is also a radio tower located on the PRF property. This tower, referred to as the "Radio Tower", has not been used for fire detection in the past. However, this tower has electrical power, which supplies power to the radio repeater that is currently on the Radio Tower. The Radio Tower can have more than one piece of equipment attached to its structure (i.e. the radio repeater will remain on the Radio Tower) and is a suitable location for a fire detection camera.

The PRF would like to replace the existing fire detection system with a semi-automated fire detection system that uses an optical camera sensor system with fire detection monitoring software, and workstation.

Camera installation is required on two towers (see **Appendix A: Photos of Towers*** for photos of each tower):

- Wylie Fire Tower (to the top of the structure/ cupola): 27.5m (still in operation, no power at tower)
- Radio Tower (not previously used as a fire tower): 25.6m (in operation, has power at the tower)

Note that the roads to each tower are not plowed in the winter so depending on weather conditions at the time of installation, all-terrain vehicles or snowmobiles may be required to access each site.

*** Appendix A - Photos of Towers must be requested by email to the Contracting Authority at alexandra.nadeau@tpsgc-pwgsc.gc.ca.**

SW.3.0 OBJECTIVES

The objectives of this requirement are to have two functioning cameras on the top of two towers on the PRF property that can surveil the PRF and Garrison Petawawa property above the tree line and provide fire detection services. The camera images are to be viewed from a computer / monitor set up at the main office of the PRF through a software program that will identify areas of concern, which can be

vetted by PRF staff either in the office or by going on a patrol. The intended use of the wildland fire detection system will be as a core method of fire detection for the PRF and Garrison Petawawa property.

SW.4.0 PROJECT REQUIREMENTS

SW.4.1 Tasks, Deliverables, Milestones and Schedule

Tasks	Deliverables	Schedule	Constraints
1. Kick-off Meeting To determine schedule of installation, access to PRF assets, and training of personnel.	Attendance at meeting	Within 2 weeks of contract award	Meeting may be virtual or in person.
2. Fire Detection Video Monitoring Camera System Install fire detection video monitoring camera system on two towers at the PRF (see Appendix A: Photos of Towers for photos of each tower).	Two fire detection video monitoring camera systems on two towers at the PRF (one on each tower).	On or before March 19, 2022	Access to the towers on the PRF property (if installation happens in the winter months, a snowmobile may be required)
3. Fire Detection Software System Install fire detection software system on a computer provided by the PRF / NRCAN.	Must ensure the fire detection and monitoring workstation is fully operational and functioning optimally	On or before March 19, 2022	Access to a computer provided by PRF / NRCAN
4. Training Provide training for up to 8 personnel operating the system, provided in English	Written confirmation by the trainer and personnel trainees that training has been completed. This is to include all training, user guides, and reference materials.	March 31, 2022	Installation of fire detection video monitoring camera system on two towers at the PRF and installation of fire detection software system on a computer provided by the PRF / NRCAN
5. Service/Support Support and maintenance of the software environment Diagnostics and troubleshooting of bugs or software issues Administrator support Software upgrades as they are	The service/support requirements noted in - 5. Service /Support must be included if it is not covered under the standard one year warranty of General Conditions 2010A - 09	To be applicable for one year from date of final fully functional installation	Software response time is 24 hours Hardware response time is 24 hours

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Buyer ID - Id de l'acheteur
HN465
CCC No./N° CCC - FMS No./N° VME

available Service and Maintenance of hardware			
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SW.4.2 Reporting Requirements

The contractor shall designate in writing to the Project Authority a representative and provide the contact information of the contractor representative.

A formal kick-off meeting (in person or virtually) will occur after contract award to determine the schedule of installation and access of contractor staff to PRF assets and training of PRF personnel. Informal consultation between the contractor representative and the Project Authority will be a regular, ongoing process through all phases of the contract.

SW.4.3 Method and Source of Acceptance

All deliverables and services rendered under any contract are subject to inspection by the Project Authority. The Project Authority shall have the right to reject any deliverables that are not considered satisfactory, or require their correction before payment will be authorized.

SW.4.4 Specifications and Standards

The semi-automated fire detection system must include:

- A. Fire detection video monitoring camera system
- B. Fire detection software system
- C. Fire detection and monitoring workstation
- D. The ability to provide training for personnel operating the system
- E. The ability to supply software support

A) The fire detection video monitoring camera system must:

- i. Be installed on the two provided towers located at the PRF (the same camera system on both towers) (see **Appendix A: Photos of Towers** for photos of each tower)
- ii. Fully operate and function in all weather conditions during the fire season (April – October inclusive), as per weather and climate details for Chalk River, Ontario via Environment and Climate Change Canada (temperatures between -20°C and +40°C)
- iii. Be able to withstand all weather conditions during the off-season (November – March inclusive) as per weather and climate details for Chalk River, Ontario via Environment and Climate Change Canada (temperatures down to -35°C), whether functional or turned off
- iv. Support both analog standard definition, digital standard and high definition cameras.
- v. Provide colour imagery
- vi. Support optical zoom lens capability of 24 times or more.
- vii. For the installation on Wylie Tower, the system must perform operationally (i.e. provide enough power to operate the camera and communications of the camera with the workstation) with an independent power supply as there is no electricity supply to Wylie Tower. This independent power supply must be included and installed with the camera system.
- viii. Provide protection from lightning and electrostatic discharge (ESD) to prevent damage to other systems in its vicinity.

- ix. The camera system must not generate interference with co-located radio communications equipment.
- x. Be installed with network/communication capabilities capable of reaching the workstation location at the main Petawawa Research Forest office (at maximum 17km away)

B) The fire detection software system must:

- i. Visually detect fire signature and smoke in real time, colour imagery
- ii. At a minimum, detect fire signature/smoke over the PRF's and Garrison Petawawa's 30, 000 ha land base.
- iii. Imagery must be pre-processed at the point of collection to enhance visual characteristics, compress and covert its format for transmission, and provide for the integration of additional sensors and information. This pre-processing must reside either within the camera itself or a separate unit.
- iv. The pre-processing system must operate in a low power mode consistent with off-grid solar and alternative energy systems with the capability of intelligently powering down both the camera(s) and itself should power levels fall below acceptable levels.
- v. The system must recover without human intervention when power levels return to normal.
- vi. The pre-processing unit, if not integrated into the camera itself, must accommodate multiple cameras.
- vii. The pre-processing unit must serve as an end point for communications with the monitoring center. Communication with the monitoring center must be supported over TCP/IP networks and a wide range of physical transports including unlicensed and licensed radio systems, multiplexed data systems, cellular, T1, DSL, Internet Virtual Private Networks, or other similar technologies. The system must consume less than 2Mbps of bandwidth per camera in normal operation.
- viii. The pre-processing unit must be environmentally hardened to a level compatible with the installation location.
- ix. The pre-processing unit must be capable of being powered by AC utility or DC battery power.
- x. The pre-processing unit must be Surge and EMI/RFI protected on all external interfaces (power, data, and control).
- xi. The pre-processing unit must interface to additional sensors, such as a local weather monitoring system, for integration it into the data communication system and visual displays.
- xii. Enhance the imagery (i.e. magnify to at least 2x) in order to increase the visibility of smoke or any points of interest.
- xiii. Allow the operator to use the cursor to identify any latitude and longitude, range and bearing information upon the video display.
- xiv. Geo-reference any fire signature/smoke using a GIS (Geographic Information System) location system (latitude and longitude, range and bearing information)
- xv. Utilize ESRI (Environmental Systems Research Institute) ARCGIS files to present a map view referenced to the camera view to locate fires signature/smoke.
- xvi. Utilize the GIS system to overlay landmarks on the video image. Essentially, make visual links (or overlays) between landmarks on the video image and the physical location as determined within the GIS system. For example, personnel would need to be able to see how a waterbody or high point / hill on the video screen ties in with the GIS-based map which personnel would then use to locate the smoke or fire on the ground.

- xvii. Detect fire signature and smoke 24 hours a day using visible light or near infrared detection of flame with the ability to filter out normal, recurring light sources.
- xviii. Integrate static maps or GIS-based files from other sources onto the screen so that personnel can see additional information while monitoring for smoke and fire with the system.

C) Fire detection and monitoring workstation requirements:

- i. Present information in a single workstation with a panoramic view to enhance spatial and situational awareness in order to increase the operator's ability to monitor an area.
- ii. Fire detection software must be installed and functioning on the fire monitoring computer workstation, which will be supplied by the Petawawa Research Forest

D) The ability to provide training for personnel operating the system:

- i. Training for a maximum of 8 employees must be provided, in English
- ii. Training must be provided remotely

E) The ability to supply service / support:

- i. One year of software support with additional option years, which must include:
 - o Support and maintenance of the software environment
 - o Diagnostics and troubleshooting of bugs or software issues
 - o Administrator support
 - o Software upgrades as they are available
 - o Service and Maintenance of hardware

SW.5.0 OTHER TERMS AND CONDITIONS OF THE SOW

SW.5.1 Contractor's Obligations

In addition to the obligations outlined in Section 2 of this Statement of Work, the Contractor shall:

1. keep all documents and proprietary information confidential;
2. return all materials belonging to NRCan upon completion of the Contract;
3. attend meetings with PRF staff and stakeholders, if necessary;
4. participate in teleconferences, as needed;
5. attend meetings at NRCan sites, if required.

Title to the equipment charged against this Contract shall vest in Canada upon payment of invoiced amounts and shall remain so vested at all times.

For each item of equipment that is purchased, the Contractor is to record the name, manufacturer, model number, serial number, optional equipment, supplier and price and forward this information to the Project Authority.

The Contractor shall label all equipment as being the property of Natural Resources Canada.

Notwithstanding the fact that the equipment under this Contract become vested in Canada, the equipment shall remain within the custody and control of the Contractor until such time as the Project

Authority provides instructions for its delivery. During this period of time, the Contractor shall take reasonable and proper care of the equipment.

SW.5.2 NRCan's Obligations

NRCan will provide the following:

1. any required information needed for camera and monitoring system installation,
2. access to facilities, assets, and equipment (i.e. to the towers on which the cameras will be installed, a workstation on which to install the monitoring system),
3. access to a staff member who will be available to coordinate activities,
4. provide other assistance or support.

SW.5.3 Location of Work, Work Site and Delivery Point

The work is to be performed at:

Petawawa Research Forest
1000 Clouthier Rd
Chalk River, ON
K0J 1J0

SW.5.4 Language of Work

The work shall be completed and all deliverables shall be delivered in English.

SW.6.0 APPLICABLE DOCUMENTS AND GLOSSARY

SW.6.1 Applicable Documents

Appendix A: Photos of Towers

SW.6.2 Relevant Terms, Acronyms and Glossaries

The Canadian Wildland Fire Information System (CWFIS) website can be found at <http://cwfis.cfs.nrcan.gc.ca/>. The background on the CWFIS is explained in a bit more detail on the website:

"The Canadian Wildland Fire Information System monitors fire danger conditions and fire occurrence across Canada. Daily weather conditions are collected from across Canada and used to produce fire weather and fire behavior maps. In addition, satellites are used to detect fires, and reported fire locations are collected from fire management agencies." (Canadian Wildland Fire Information System, retrieved from <https://cwfis.cfs.nrcan.gc.ca/home> on February 20, 2020).

ANNEX B – Basis of Payment

The Contractor must supply, deliver, install, provide training and provide maintenance support of a Semi-automated Fire Detection System required at the Petawawa Research Forest (PRF) in Chalk River, ON for Natural Resources Canada.

Delivery Destination:

Petawawa Research Forest
1000 Clouthier Rd
Chalk River, ON
K0J 1J0

Deliverables:

The Bidder must quote firm lot prices in Canadian dollars, DDP Delivered Duty Paid (Chalk River, ON), Applicable Taxes extra, as applicable. Freight charges to destination and all applicable Custom duties and Excise taxes must be included, as applicable.

Table 1 – Firm Deliverables (Bidder to complete)

Item	Task	Description	Qty	UoM	Price
1.	Supply	Fire Detection Camera System as per Annex A	1	Lot	\$
2.	Installation	Fire Detection Camera System Installation as per Annex A	1	Lot	\$
3.	Training	Remote training of a maximum of 8 employees in English	1	Lot	\$
4.	Service/Maintenance for one year from the date of final fully functional installation	<ul style="list-style-type: none"> - Support and maintenance of the software environment - Diagnostics and troubleshooting of bugs or software issues - Administrator support - Software upgrades as they are available - Service and Maintenance of hardware 	1	Lot	\$
				Sub-total:	\$
				GST/HST:	\$
				TOTAL (A):	\$

Optional Services

The Contractor grants to Canada the irrevocable option to acquire up to the maximum quantity per line item of services described below. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, in whole or in part, through a contract amendment.

Table 2 – Optional Deliverables (*Bidder to complete*)

Item	Task	Description	Qty	UoM	Price
5.	Option Year 1 – Service/Maintenance	Option year 1 - Support and maintenance of the software environment - Diagnostics and troubleshooting of bugs or software issues - Administrator support - Software upgrades as they are available - Service and Maintenance of hardware	1	Lot	\$
6.	Option Year 2 – Service/Maintenance	Option year 2 - Support and maintenance of the software environment - Diagnostics and troubleshooting of bugs or software issues - Administrator support - Software upgrades as they are available - Service and Maintenance of hardware	1	Lot	\$
7.	Option Year 3 – Service/Maintenance	Option year 3 - Support and maintenance of the software environment - Diagnostics and troubleshooting of bugs or software issues - Administrator support - Software upgrades as they are available - Service and Maintenance of hardware	1	Lot	\$
Sub-total:				\$	
GST/HST:				\$	
TOTAL (B):				\$	

Total Bid Price (A + B): \$ _____

ANNEX C - Security Requirements Check List (SRCL)



Government of Canada
Gouvernement du Canada

Contract Number / Numéro du contrat

23507-22-0356

Security Classification / Classification de sécurité
UNCLASSIFIED

SECURITY REQUIREMENTS CHECK LIST (SRCL)

LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS)

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE			
1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine		2. Branch or Directorate / Direction générale ou Direction CFS/CWFC	
3. a) Subcontract Number / Numéro du contrat de sous-traitance		3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant	
4. Brief Description of Work / Brève description du travail The Petawawa Research Forest (PRF) requires a semi-automated forest fire detection camera system to detect fires over Garrison Petawawa and the PRF.			
5. a) Will the supplier require access to Controlled Goods? Le fournisseur aura-t-il accès à des marchandises contrôlées?		<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> Yes Oui
5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques?		<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> Yes Oui
6. Indicate the type of access required / Indiquer le type d'accès requis			
6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? (Specify the level of access using the chart in Question 7. c) (Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c)		<input type="checkbox"/> No Non	<input checked="" type="checkbox"/> Yes Oui
6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé.		<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> Yes Oui
6. c) Is this a commercial courier or delivery requirement with no overnight storage? S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit?		<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> Yes Oui
7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès			
Canada <input checked="" type="checkbox"/>		NATO / OTAN <input type="checkbox"/>	Foreign / Étranger <input type="checkbox"/>
7. b) Release restrictions / Restrictions relatives à la diffusion			
No release restrictions Aucune restriction relative à la diffusion <input checked="" type="checkbox"/>		All NATO countries Tous les pays de l'OTAN <input type="checkbox"/>	No release restrictions Aucune restriction relative à la diffusion <input type="checkbox"/>
Not releasable À ne pas diffuser <input type="checkbox"/>			
Restricted to: / Limité à: <input type="checkbox"/>		Restricted to: / Limité à: <input type="checkbox"/>	Restricted to: / Limité à: <input type="checkbox"/>
Specify country(ies): / Préciser le(s) pays:		Specify country(ies): / Préciser le(s) pays:	Specify country(ies): / Préciser le(s) pays:
7. c) Level of information / Niveau d'information			
PROTECTED A PROTÉGÉ A <input type="checkbox"/>		NATO UNCLASSIFIED NATO NON CLASSIFIÉ <input type="checkbox"/>	PROTECTED A PROTÉGÉ A <input type="checkbox"/>
PROTECTED B PROTÉGÉ B <input checked="" type="checkbox"/>		NATO RESTRICTED NATO DIFFUSION RESTREINTE <input type="checkbox"/>	PROTECTED B PROTÉGÉ B <input type="checkbox"/>
PROTECTED C PROTÉGÉ C <input type="checkbox"/>		NATO CONFIDENTIAL NATO CONFIDENTIEL <input type="checkbox"/>	PROTECTED C PROTÉGÉ C <input type="checkbox"/>
CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>		NATO SECRET NATO SECRET <input type="checkbox"/>	CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>
SECRET SECRET <input type="checkbox"/>		COSMIC TOP SECRET COSMIC TRÈS SECRET <input type="checkbox"/>	SECRET SECRET <input type="checkbox"/>
TOP SECRET TRÈS SECRET <input type="checkbox"/>			TOP SECRET TRÈS SECRET <input type="checkbox"/>
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Government of Canada
Gouvernement du Canada

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PART A (continued) / PARTIE A (suite)

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?

Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS?

☒ No ☐ 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



RELIABILITY STATUS
COTE DE FIABILITÉ



CONFIDENTIAL
CONFIDENTIEL



SECRET
SECRET



TOP SECRET
TRÈS SECRET



TOP SECRET - SIGINT
TRÈS SECRET - SIGINT



NATO CONFIDENTIAL
NATO CONFIDENTIEL



NATO SECRET
NATO SECRET



COSMIC TOP SECRET
COSMIC TRÈS SECRET



SITE ACCESS
ACCÈS AUX EMPLACEMENTS

Special comments:

Commentaires spéciaux :

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

TBS/SCT 350-103(2004/12)

Security Classification / Classification de sécurité

UNCLASSIFIED

Canada



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		COSMIC TRÈS SECRET	A	B	C	CONFIDENTIEL		TRÈS SECRET
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 ☐ Yes
Non 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 ☐ Yes
Non Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).

Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire et indiquez qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).

Solicitation No. - N° de l'invitation
23507-220356/A
Client Ref. No. - N° de réf. du client
23507-220356

Amd. No. - N° de la modif.

File No. - N° du dossier
HN465. 23507-220356

Buyer ID - Id de l'acheteur
HN465
CCC No./N° CCC - FMS No./N° VME



Government of Canada
Gouvernement du Canada

Contract Number / Numéro du contrat

23507-22-0356

Security Classification / Classification de sécurité
UNCLASSIFIED

PART D - AUTHORIZATION / PARTIE D - AUTORISATION

13. Organization Project Authority / Chargé de projet de l'organisme

Name (print) - Nom (en lettres moulées)

Vekeman, Melissa

Title - Titre

Research & Operations Technician

Signature

Telephone No. - N° de téléphone

613-410-3083

Facsimile No. - N° de télécopieur

613-589-2275

E-mail address - Adresse courriel

melissa.vekeman@nrcan-mcan.gc.ca

Date

August 4, 2021

14. Organization Security Authority / Responsable de la sécurité de l'organisme

Name (print) - Nom (en lettres moulées)

Boult, Charles

Title - Titre

SO

Signature

Boult, Charles

Digitally signed by Boult, Charles
Date: 2021.08.10 11:38:36 -04'00'

Telephone No. - N° de téléphone

613-410-3083

Facsimile No. - N° de télécopieur

E-mail address - Adresse courriel

charles.boult@nrcan-mcan.gc.ca

Date

15. Are there additional instructions (e.g. Security Guide, Security Classification Guide) attached?

Des instructions supplémentaires (p. ex. Guide de sécurité, Guide de classification de la sécurité) sont-elles jointes?



No

Non

Yes

Oui

16. Procurement Officer / Agent d'approvisionnement

Name (print) - Nom (en lettres moulées)

Berthelet, Andrea

Title - Titre

Procurement Specialist

Signature

Telephone No. - N° de téléphone

343-543-7092

Facsimile No. - N° de télécopieur

E-mail address - Adresse courriel

andrea.berthelet@nrcan-mcan.gc.ca

Date

August 4, 2021

Stephanie Tompkins

Contract Security Officer

Stephanie.tompkins@tpgsc-pwgsc.gc.ca

ere de sécurité

e - Titre

copieur

E-mail address - Adresse courriel

Signature
Tompkins,
Stephanie

Digitally signed by
Tompkins,
Stephanie
Date: 2021.08.12
13:19:31 -04'00'

TBS/SCT 350-103(2004/12)

Security Classification / Classification de sécurité

UNCLASSIFIED

Canada

ANNEX D – Evaluation Criteria

In their bid submission, Bidders must demonstrate how they meet all requirements detailed in the Statement of Work at Annex A and address clearly and in sufficient depth all points that are subject to evaluation criteria listed below, against which the bid will be evaluated. Bidders should demonstrate their capability and describe their approach in a thorough, concise and clear manner for carrying out the work.

The Bidder must provide proof and/or verification of the Mandatory Evaluation Criteria herein through supporting documentation, as applicable. Bidders are required to provide a page reference number by each compliant requirement that refers to the supplied literature; if left blank, it may be evaluated as not met. It is the Bidder's responsibility to ensure that the submitted supporting documentation provides detail to prove that the proposed good(s) meet the requirements of the mandatory criteria.

If published supporting documents or certifications are not available, Bidders should prepare a written narrative complete with a detailed explanation of how its bid demonstrates technical compliance.

Canada will not evaluate information such as references to website addresses where additional information can be found, or technical manuals or brochures not submitted with the bid. To be considered responsive, proposals must meet all of the mandatory criteria specified in the solicitation document.

Table 1: Mandatory Requirements

Item	Mandatory Criteria	Cross Reference Page/Paragraph of Technical Proposal
General		
M1	<p>The Bidder MUST provide two (2) references from organizations that the Bidder has provided similar services to over the past five (5) years; with up to date contact information.</p> <p>Each reference MUST include:</p> <ol style="list-style-type: none">1. The name of the client organization;2. A brief description of the scope of services provided;3. The dates and duration of the project;4. The name and current email address of the client project authority to whom the Offeror reported. <p><i>*Refer to R1 for how references will be further evaluated.</i></p>	
M2	The Bidder MUST have at least two (2) years of	

	experience with fire detection camera-based monitoring systems and installations of cameras and systems	
The fire detection video monitoring camera system must:		
A1	Fully operate and function in all weather conditions during the fire season (April – October inclusive), as per weather and climate details for Chalk River, Ontario via Environment and Climate Change Canada (temperatures between -20°C and +40°C)	
A2	Able to withstand all weather conditions during the off-season (November – March inclusive) as per weather and climate details for Chalk River, Ontario via Environment and Climate Change Canada (temperatures down to -35°C), whether functional or turned off	
A3	Support both analog standard definition, digital standard and high definition cameras	
A4	Provide colour imagery	
A5	Support optical zoom lens capability of 24 times or more	
A6	Perform operationally (i.e. provide enough power to operate the camera and communications of the camera with the workstation) with an independent power supply on Wylie Tower.	
A7	Provide protection from lightning and electrostatic discharge (ESD) to prevent damage to other systems in its vicinity	
A8	The camera system does not generate interference with co-located radio communications equipment	
A9	Has network/communication capabilities capable of reaching the workstation location at the at a maximum of 17km away	
The fire detection software system must:		
B1	Visually detect fire signature and smoke in real time, colour imagery	
B2	Detect fire signature/smoke over 30,000 ha land base.	
B3	Imagery can be pre-processed at the point of collection to enhance visual characteristics, compress and covert its format for transmission, and provide for the integration of additional sensors and information. This pre-processing must reside either within the camera itself or a separate unit	
B4	The pre-processing system can operate in a low power mode consistent with off-grid solar and alternative energy systems with the capability of intelligently powering down both the camera(s) and itself should power levels fall below acceptable levels.	
B5	The system can recover without human intervention when power levels return to normal	

B6	The pre-processing unit, if not integrated into the camera itself, can accommodate multiple cameras	
B7	The pre-processing unit can serve as an end point for communications with the monitoring center. Communication with the monitoring center must be supported over TCP/IP networks and a wide range of physical transports including unlicensed and licensed radio systems, multiplexed data systems, cellular, T1, DSL, Internet Virtual Private Networks, or other similar technologies. The system consumes less than 2Mbps of bandwidth per camera in normal operation.	
B8	The pre-processing unit is environmentally hardened to a level compatible with the installation location	
B9	The pre-processing unit is capable of being powered by AC utility or DC battery power	
B10	The pre-processing unit is Surge and EMI/RFI protected on all external interfaces (power, data, and control)	
B11	The pre-processing unit can interface to additional sensors, such as a local weather monitoring system	
B12	Can enhance the imagery (i.e. magnify to at least 2x)	
B13	Operator can use the cursor to identify any latitude and longitude, range and bearing information upon the video display	
B14	Can Geo-reference any fire signature/smoke using a GIS (Geographic Information System) location system (latitude and longitude, range and bearing information)	
B15	Can utilize ESRI (Environmental Systems Research Institute) ARCGIS files to present a map view referenced to the camera view to locate fires signature/smoke	
B16	Utilizes the GIS system to overlay landmarks on the video image	
B17	Detects fire signature and smoke 24 hours a day using visible light or near infrared detection of flame with the ability to filter out normal, recurring light sources	
B18	Integrates static maps or GIS-based files from other sources onto the screen	

Table 2: Point-Rated requirements

The Bidder must obtain an overall pass score of at least 65 percent (34/51 points) for the point-rated criteria R1 to R4.					
Item	RATED REQUIREMENT	Evaluation Criteria Scoring Method	Maximum Points Available	Proposal Page Number	Bidder Score

R1	<p>The two (2) references that the Bidder provided under M1 will be contacted to verify information. References MUST respond within 4 working days of being contacted to be considered responsive.</p> <p>References will be rated on the following:</p> <p>A. Satisfaction with the Work, assessed through the following questions:</p> <ol style="list-style-type: none"> Did the supplier meet or exceed your overall expectations? <ul style="list-style-type: none"> Met or exceeded expectations (3 points) Did not meet expectations (0 points) Does the supplier's camera system meet or surpass your expectations? <ul style="list-style-type: none"> Met or exceeded expectations (3 points) Did not meet expectations (0 points) Does the supplier's monitoring software system meet or surpass your expectations? <ul style="list-style-type: none"> Met or exceeded expectations (3 points) Did not meet expectations (0 points) 	<p>Points will be awarded to every affirmative response to these questions as indicated, provided within the 4 working days.</p> <p>Maximum 21 Points per reference</p>	42		
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	<p>B. Training, assessed through the following question:</p> <p>4. Was the training provided by the supplier sufficient and effective?</p> <ul style="list-style-type: none"> • Yes (2 points) • No (0 points) <p>C. Support Services, assessed through the following questions:</p> <p>5. Do/did the support service provided by the supplier meet or surpass your expectations?</p> <ul style="list-style-type: none"> • Yes (3 points) • No (0 points) <p>6. Are/were you satisfied with the response time for support services?</p> <ul style="list-style-type: none"> • Yes (3 points) • No (0 points) <p>D. Compliance with work schedule, assessed through the following question:</p> <p>7. Did the proposed resource complete the project within the timeframe proposed?</p> <ul style="list-style-type: none"> • Yes (2 points) • No (0 points) <p>E. On-Budget, assessed through the following question:</p> <p>8. Did the proposed resource complete the project within budget?</p>				
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	<ul style="list-style-type: none"> • Yes (2 points) • No (0 points) 				
R2	Training for Personnel The Bidder should demonstrate they have experience providing training; either in person or remotely; by providing a brief summary of projects of a similar nature, performed within the past five (5) years.	6+ projects = 3 points 3-5 projects = 2 points 1-2 projects = 1 points 0 projects = 0 points	3		
R3	Equipment Installation The Bidder should demonstrate they have experience installing fire detection video monitoring camera systems or video monitoring camera systems; by providing a brief summary of projects where this work was performed within the past five (5) years.	6+ projects = 3 points 3-5 projects = 2 points 1-2 projects = 1 points 0 projects = 0 points	3		
R4	Fire Detection Software System & Monitoring Workstation The Bidder should demonstrate they have experience installing fire detection software systems or video monitoring camera systems onto a central monitoring workstation; by providing a brief summary of projects where this work was performed within the past five (5) years.	6+ projects = 3 points 3-5 projects = 2 points 1-2 projects = 1 points 0 projects = 0 points	3		
Total			51		