



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Réception des soumissions - TPSGC / Bid

Receiving - PWGSC

1550, Avenue d'Estimauville

1550, D'Estimauville Avenue

Québec

Québec

G1J 0C7

**LETTER OF INTEREST**

**LETTRE D'INTÉRÊT**

Comments - Commentaires

Vendor/Firm Name and Address

Raison sociale et adresse du

fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

TPSGC/PWGSC

601-1550, Avenue d'Estimauville

Québec

Québec

G1J 0C7

<b>Title - Sujet</b> Laser countermeasure system	
<b>Solicitation No. - N° de l'invitation</b> W7701-186805/A	<b>Date</b> 2018-01-24
<b>Client Reference No. - N° de référence du client</b> W7701-186805	<b>GETS Ref. No. - N° de réf. de SEAG</b> PW-\$QCL-042-17329
<b>File No. - N° de dossier</b> QCL-7-40276 (042)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2020-03-31</b>	
<b>Time Zone</b> <b>Fuseau horaire</b> Heure Normale du l'Est HNE	
<b>F.O.B. - F.A.B.</b> Specified Herein - Précisé dans les présentes <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input checked="" type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Hamel, Jonathan	<b>Buyer Id - Id de l'acheteur</b> qcl042
<b>Telephone No. - N° de téléphone</b> (418) 649-2806 ( )	<b>FAX No. - N° de FAX</b> (418) 648-2209
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> Canadian Forces Unit DRDC DRDC Corporate Services 101 Colonel By Drive OTTAWA Ontario K1A 0K2 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

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

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## **Request for Information (RFI) – Laser Countermeasure System**

### **1. Purpose and Nature of the Request for information (RFI)**

Public Works and Government Services Canada (PWGSC) on behalf of Defense Research and Development Canada (DRDC) located in Valcartier, (Quebec) is requesting Industry feedback regarding the procurement of a Laser Countermeasure System (LCS), designed to detect, track, and engage small unmanned aerial vehicles by the means of a laser beam.

The objectives of this RFI are to:

- to help support a potential Request For Proposal (RFP);
- to have a better understanding of the laser countermeasure system's market;
- to seek a cost estimate for the project;
- Provide a continuous single point of official communication with industry that will remain open until a formal RFP is released.

### **2. Potential Work Scope and Constraints:**

Following the RFI solicitation, DRDC would aim to create a Statement of Work (SOW) to support an eventual RFP that would be released by PWGSC and available on [www.buyandsell.gc.ca](http://www.buyandsell.gc.ca). The resulting contract objective would be to acquire a Laser Countermeasure System including its fully operational commissioning before March 31<sup>st</sup> 2020.

### **3. Legislation, Trade Agreements, and Government Policies:**

The following is indicative of some of the legislation, trade agreements and government policies that could impact any follow-on solicitation(s):

- a) Canadian Free Trade Agreement (CFTA)
- b) North American Free Trade Agreement (NAFTA)
- c) World Trade Organization Agreement on Government Procurement (WTO-AMP)
- d) Defence Production Act
- e) Defence Procurement Strategy (DPS)
- f) Federal Contractors Program for Employment Equity (FCP-EE)

### **4. Schedule:**

In providing responses, the following schedule should be utilized as a baseline:

Winter	2018:	Post LI Process to <a href="http://www.buyandsell.gc.ca">www.buyandsell.gc.ca</a>
Spring	2018:	Planned formal RFP release
Summer	2018:	Contract Award
Fall	2019:	Deliver the Laser Countermeasure System
Spring	2020:	Full operational capability

## 5. Important Notes to Respondents:

Interested Respondents may submit their responses to the PWGSC Contracting Authority, identified below, by mail or fax:

Name: Jonathan Hamel  
Title: Procurement Specialist  
Public Works and Government Services Canada, Acquisitions Branch  
Address: 1550, Avenue d'Estimauville, Québec, QC G1J 0C7  
Telephone: 418-649-2806  
Facsimile: 418-648-2209  
Email: [jonathan.hamel@tpsgc-pwgsc.gc.ca](mailto:jonathan.hamel@tpsgc-pwgsc.gc.ca)

A point of contact for the Respondent should be included in the package.

Changes to this RFI may occur and will be advertised on the Government Electronic Tendering System. Canada asks Respondents to visit [Buyandsell.gc.ca](http://Buyandsell.gc.ca) regularly to check for changes, if any.

## 6. Closing date for the LI:

The LI will remain available on [www.buyandsell.gc.ca](http://www.buyandsell.gc.ca) until a formal RFP is released.

However, responses to this LI with regards to the questions at Annex B are to be submitted to the PWGSC Contracting Authority identified above, **on or before February 15<sup>th</sup> 2018 at 14H00 Eastern Standard time (EST)**

## 7. Draft Statement of Work (SOW)

Annex A contains a preliminary description of the requirement. Suppliers are invited to examine the scope of the work and to respond to the questions in Annex B

## 9. Security Requirements

There is no security requirement associated with this RFI; however, it is anticipated that a security requirement will be associated with the potential follow-on solicitation and may be classified as SECRET.

## 10. Sponsorship

As it is relatively long for a company to obtain a security clearance, we invite bidders to submit a request for "Organization sponsorship and screening eligibility" as described on the ISP website. Bidders do not need to wait the closing date of this solicitation to make your sponsorship application, they can now send an email to the attention of the Contracting Authority with subject "Request for Organization sponsorship and screening eligibility – W7701-186805" and provide the required information, as per the ISP website.

## 11. Industry day

At this time, the Canada doesn't plan to hold an industry day to support this project. However, if requested by the industry during the LI posting period, the Canada can decide to hold an industry day. The date, location and other important details would then be communicated through an amendment to the RFI.

**NOTES TO INTERESTED SUPPLIERS:**

This LI is neither a call for tender nor a Request for Proposal. No agreement or contract will be entered into based on this RFI. The issuance of this RFI is not to be considered in any way a commitment by the Government of Canada, nor as authority to potential respondents to undertake any work that could be charged to Canada. This LI is not to be considered as a commitment to issue a subsequent solicitation or award contract(s) for the work described herein.

Although the information collected may be provided as commercial-in-confidence (and, if identified as such, will be treated accordingly by Canada), Canada may use the information to assist in drafting performance specifications (which are subject to change) and for budgetary purposes.

Respondents are encouraged to identify, in the information they share with Canada, any information that they feel is proprietary, third party or personal information. Please note that Canada may be obligated by law (e.g. in response to a request under the Access of Information and Privacy Act) to disclose proprietary or commercially-sensitive information concerning a respondent (for more information: <http://laws-lois.justice.gc.ca/eng/acts/a-1/>).

Respondents are asked to identify if their response, or any part of their response, is subject to the Controlled Goods Regulations.

Participation in this RFI is encouraged, but is not mandatory. There will be no short-listing of potential suppliers for the purposes of undertaking any future work as a result of this RFI. Similarly, participation in this RFI is not a condition or prerequisite for the participation in any potential subsequent solicitation.

Respondents will not be reimbursed for any cost incurred by participating in this RFI.

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## **ANNEX A – DRAFT STATEMENT OF WORK**

### **Acquisition of a Laser Countermeasure System**

#### **1. BACKGROUND**

Defence Research and Development Canada (DRDC) is undertaking research initiatives in the domain of laser countermeasures and high power lasers. The primary application of interest is to counter small unmanned aerial vehicles (UAVs).

#### **2. GENERAL DESCRIPTION**

DRDC has a requirement for a solid-state laser based optical system, hereby named as the Laser Countermeasure System (LCS). The LCS must be capable to detect, track, target and engage, with a laser beam, small UAVs.

The LCS must comprise the following subsystems:

An electro-optic passive or active detection subsystem, comprising at minimum a rangefinder and an infrared camera, able to detect and track moving targets at appropriate ranges. The system should be able to operate in locations with cluttered backgrounds.

A solid-state laser-based defeat system, designed to neutralize the target at appropriate ranges. The system must be able to continuously and optimally engage a moving target.

A control laptop with an operating interface designed for one operator. The interface must allow observing and identifying the target, in addition to displaying relevant information such as target range, estimated speed, and altitude. The selection of the aim-point on target must be done both automatically and manually by the user.

The LCS must be lightweight, and include the laser system with appropriate close-circuit cooling. The power source is not to be provided with the LCS, however standard connectors for the required electrical supply should be included. The LCS must be encompassed in a weather-proof casing, allowing it to be operated in adverse weather conditions.

The LCS must be based on technologies with proven and documented effectiveness during outdoor demonstrations and trials against relevant targets of interest, detected and engaged in-flight.

Solicitation No – N° de l'invitation  
W7701-186805/A  
Client Ref No. – N° de réf. du client  
W7701-18-6805

Amd. No. – N° de la modif.  
File No. – N° du dossier

Buyer ID – id de l'acheteur  
QCL042

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**3. DATE OF DELIVERY**

The Laser Countermeasure System must be delivered no later than 15 months following the Award of the contract.

**4. LANGUAGE OF WORK**

English

**5. DELIVERY LOCATION**

Defence Research and Development Canada – Valcartier Research Centre  
Building 53  
2459 route de la Bravoure  
Québec, Québec  
G3J 1X5  
Canada

**MEETINGS**

N/A

**INTELLECTUAL PROPERTY (IP) OWNERSHIP**

X Not applicable

☐ Canada to Own Intellectual Property Rights in Foreground Information - See attached IP checklist.

☐ Contractor to Own Intellectual Property Rights in Foreground Information - See attached IP checklist.

**CONTROLLED GOODS**

☐ Not applicable

☒ Applicable

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## ANNEX B – QUESTIONS FOR THE INDUSTRY

Suppliers are invited to respond to the questions at Annex B.

Answers to the following questions must provide information on the technical challenges and the major commercial and budgetary issues of the project described at Annex A.

Answers can be submitted in one of the two Official Languages of Canada (English or French).

### Notes:

1. Suppliers who respond to this Letter of Interest should identify their potential partners if there is a need to enhance the existing expertise of their company.
2. Since this Letter of interest is not a request for proposals (RFP) and since no contract will be awarded solely because of the RFI, Canada reserves the right to see the responses upon receipt, if Canada wants to be able to consult the responses before the closing date.

Respondents are requested to provide their response to this Letter of Interest as per the following questions:

- 1 Provide a point of contact, if further questions or clarification is required.
- 2 Are the preliminary specifications achievable? If not, which one and why? Can they be improved upon?
- 3 What is your estimation of the cost and the schedule regarding this requirement?
- 4 Is there some elements that prevent the contractor from performing the services stated in Annex A?
- 5 Considering that the RFP will include security requirements, is it possible that those security requirements would bring issues or delays for the Contractor?

### Communications in Posting Period:

All **Requests for information** must be submitted to the Contracting Authority, preferably by emailing [jonathan.hamel@tpsgc-pwgsc.gc.ca](mailto:jonathan.hamel@tpsgc-pwgsc.gc.ca) **at least eight calendar days before the closing date**. Enquiries received after this time may not be answered.