

**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**

Bid Receiving  
PWGSC  
33 City Centre Drive  
Suite 480C  
Mississauga  
Ontario  
L5B 2N5  
Bid Fax: (905) 615-2095

**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  
Public Works and Government Services Canada  
Ontario Region  
33 City Centre Drive  
Suite 480  
Mississauga  
Ontario  
L5B 2N5

<b>Title - Sujet</b> Information	
<b>Solicitation No. - N° de l'invitation</b> K3D33-141144/A	<b>Date</b> 2014-08-06
<b>Client Reference No. - N° de référence du client</b> K3D33-141144	<b>GETS Ref. No. - N° de réf. de SEAG</b> PW-\$TOR-018-6639
<b>File No. - N° de dossier</b> TOR-4-37044 (018)	<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 2014-10-15</b>	
<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Daylight Saving Time EDT	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Pan, Long	<b>Buyer Id - Id de l'acheteur</b> tor018
<b>Telephone No. - N° de téléphone</b> (905) 615-2076 ( )	<b>FAX No. - N° de FAX</b> (905) 615-2060
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DEPARTMENT OF THE ENVIRONMENT 4905 Dufferin Street Downsview Ontario M3H5T4 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

<b>Delivery Required - Livraison exigée</b> See Herein	<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>

Solicitation No. - N° de l'invitation

K3D33-141144/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

tor018

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

K3D33-141144

File No. - N° du dossier

TOR-4-37044

CCC No./N° CCC - FMS No/ N° VME

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**Please find the detail Letter of Intent (LoI) in the following attached documents.**

**Letter of Intent  
(LoI)**

**Canadian Weather Radar Network  
Modernization Project**

**FOR**

**Environment Canada (EC)  
National Radar Program**

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## **1. OBJECTIVE OF THE LETTER OF INTENT (LOI)**

### **1.1 Introduction**

Environment Canada (EC) has a requirement to replace approximately two-thirds of its weather radar network (20 systems) and related infrastructure by spring 2023. We are moving to dual-polarization technology and anticipate a mixed network of C and S Band radars to exploit the strengths of each in our varied climatology.

### **1.2 Background**

Environment Canada's Meteorological Service of Canada (EC-MSC) has provided Canadians with up-to-date information about the weather for over 140 years. To revitalize Canada's weather services, the Government of Canada's Budget 2011 and Budget 2013 announced multi-year funding to further strengthen Canada's meteorological services through new federal infrastructure investments in radars, surface weather and climate monitoring stations. The Meteorological Service's networks include radar sites across Canada, as well as infrastructure and instruments that perform ice and wave conditions monitoring, water level monitoring and atmospheric conditions monitoring. Environment Canada's national weather forecast and warning system relies on several observation networks to detect changes in the atmosphere and the development of threatening conditions. The monitoring infrastructure includes 31 weather radars, 84 lightning detection sensors, approximately 1,300 surface weather and climate stations, 70 weather buoys, 56 automated ship observation programs, and 31 stations for launching balloon-borne observations of the upper atmosphere.

### **1.3 Objectives of the LoI**

Over the past few years, while planning a radar network rejuvenation, Environment Canada has investigated user requirements, surveyed current and developing science and technologies, discussed various options for network design, and performed preliminary cost-benefit analyses.

Since 2012 EC has been stabilizing the current radar network to maintain performance and to prepare for the upgrade of the 10 more modern radar systems (C-band, 0.65 degree beamwidth). EC has also been investigating the replacement of the radar at McGill University (S-band) and the use of smaller systems for gap filling, research, and use in harsh conditions. Part of the long-term plan is to explore technologies that will enable efficient operation of the radar network now and in the future, so EC also intends to establish of a small development and test facility. A number of Requests for Information and Requests for Proposals have been or will be released related to this recent work.

EC is now moving quickly to develop a Request for Proposal for the procurement and installation of 20 radar systems across the country by 2023. It's anticipated that these systems will be a mix of C-band and S-band to affordably meet our requirements across the vast expanse and diverse climatology of Canada. In some areas, extended Doppler range and low attenuation is a priority, in others it is narrow beam width and low-level scans.

## **2. ADMINISTRATIVE INFORMATION**

### **2.1 Expenses**

Canada will not reimburse any respondent for expenses incurred in responding to this Lol. Respondents are solely responsible for their own expenses in reacting to this Letter of Intent and for any subsequent discussions or meetings with the EC.

### **2.2 Responses**

Respondents are reminded that this is a Letter of Intent and not a Request for Proposal (RFP) or a Request for Information (RFI).

EC is not soliciting any technical responses at this time. Any responses will not be formally evaluated. However, any responses received may be used by Canada to develop or modify procurement strategies. Canada will review any communications received by the Lol closing date. Canada may, at its discretion, review responses received after the Lol closing date.

## **3. SUBSEQUENT INFORMATION SESSIONS**

In broad terms, our intention is to post more in-depth technical information during the month of August and hold our first Industry Day in early September. This will be followed closely by a draft RFP and second Industry Day later in the fall. One-on-one meetings will also be welcomed starting in late August or early September (actual timing to be confirmed later).

### **3.1 Industry Days**

Industry Days are provided to present Industry representatives with information about the Environment Canada National Radar Program, an overview of the current business requirements, and its future objectives for the consultative engagement process. Industry Days are intended to be open for allowing PWGSC to communicate, with interested suppliers, provide its requirements at a high level, and to allow Industry to ask questions and seek information in order to gain a better understanding of the business needs of the National Radar Program.

### **3.2 One-on-one Meetings**

One-on-one meetings with interested suppliers will take place. These meetings are intended to provide industry participants an opportunity to engage in an open dialogue with PWGSC on the solution being sought.

Interested suppliers are encouraged to initiate conversations with the Government of Canada at an early stage. Details on proposed procurement approach and information on how to register for the Industry Day and One-on-One Industry Meetings are anticipated to be provided in the month of August. If you would like to have future communications sent directly to your organization, please provide the appropriate contact information to the Contracting Authority.

## 4. REGULATORY REQUIREMENTS

Note that responses to the formal RFP will be required to have the flexibility to ensure compliance with Canada's procurement regulatory environment, which may include but is not limited to:

- Agreement of Internal Trade (AIT)
- Comprehensive Land Claims Agreement
- Canadian International Trade Tribunal
- Federal Accountability Act
- Government Contracting Regulations (GCRs)
- Financial Administration Act (FAA)
- Department of Public Works and Government Services Act
- Official Languages Act
- Access to Information Act

## 5. BUSINESS QUALIFICATION

### 5.1 Supplier Registration

To be able to conduct business with the federal government in Canada, you must register in the Supplier Registration Information (SRI) system, a database of registered companies interested in selling to the federal government. By registering in SRI, you make your company's name and supply capabilities widely known to federal departments and agencies, which may use the system to identify sources of supply for the goods and services they buy.

For detailed information and steps on how to register in the SRI database, please refer to the following link:

<https://buyandsell.gc.ca/for-businesses/selling-to-the-government-of-canada/register-as-a-supplier>

### 5.2 Security Clearance

A security clearance is a certification that is granted by the Canadian Industrial Security Directorate (CISD) of PWGSC. Security requirements will be set out in the upcoming potential solicitation process, i.e. Request for Proposal (RFP). As the requirement is refined, Canada will finalize the Vendor Security Profile requirements.

Service providers are advised that works and services, to be carried out as part of a successful bid, may be accompanied by special security measures and may be subject to national security constraints.

Consequently, Successful Suppliers and Bidders will be required to accept the conditions set out in future Request documents relating to national security and national interest, which requires vetting and security checks for designated individuals involved in the initiative. Service providers should anticipate that there will be stringent requirements and the absolute need to comply with them.

Early submission of all applications for security clearances is strongly encouraged. Service providers are strongly encouraged to submit applications for security clearances for all Key Individuals and any other persons who may be required during the implementation phases to have access to sensitive information and/or access to secured sites. Procurements will not be delayed in order to provide time for service providers to obtain required security clearances.

## **6. PRIVACY & CONFIDENTIALITY**

This requirement will comply with the statutory obligations under the Privacy Act and the Access to Information Act. In the upcoming information sessions, respondents should mark any portions of their response that they consider proprietary or confidential. Canada will handle the responses in accordance with the Access to Information Act.

Canada may, in its discretion, contact any respondents to follow up with additional questions or for clarification of any aspect of a response.

## **7. CLOSING DATE**

This Letter of Intent (LoI) will be open until October 15, 2014.

## **8. CONTRACTING AUTHORITY**

Long Pan  
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Public Works and Government Services Canada  
33 City Centre Dr. Mississauga, Ontario. L5B 2N5  
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