

**RETURN RESPONSES TO:
RETOURNER LES RÉPONSES À:**

Public Works and Government Services Canada
Place Bonaventure, portail Sud-Est
800, rue de la Gauchetière Ouest, 7th floor
Montreal, Québec
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FAX : (514) 496-3822

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
Place Bonaventure
800 rue de la Gauchetière Ouest, 7th floor
Montréal, Québec
H5A 1L6

Canada

Titre – Sujet	
Dextre Deployable Vision System (DDVS) – Request for information	
Solicitation No. - N° de l'invitation 9F052-14-1026	Amendment No. - N° modif. N/A
Client Reference No. - N° de référence du client 9F052-14-1026	Date March 30 th , 2015
GETS Ref. No. - N° de réf. de SEAG N/A	
File No. - N° de dossier 9F052-14-1026	CCC No./N° CCC - FMS No/N° VME N/A
Solicitation Closes - L'invitation prend fin : at - à 2:00 pm On - le April 17 th , 2015	Time Zone Fuseau horaire Eastern Daylight Time (EDT)
F.O.B - F.A.B. Plant-Usine : <input type="checkbox"/> Destination : <input type="checkbox"/> Other-Autre : <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Caroline Séguin	Buyer Id - Id de l'acheteur MTD405
Telephone No. - N° de téléphone 450-926-4505	E-mail address - Adresse Courriel caroline.z.seguin@tpsgc-pwgsc.gc.ca
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Canadian Space Agency 6767 route de l'Aéroport Longueuil, Quebec, Canada J3Y 8Y9	

Instructions : See Herein
Instructions : Voir aux présentes

Delivery Required - Livraison exigée See herein	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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Request for Information (RFI) regarding Dextre Deployable Vision System (DDVS)

1. Background and Purpose of the RFI

Public Works and Government Services Canada (PWGSC), on behalf of the Canadian Space Agency (CSA), is considering the acquisition of a new capability to evolve existing space vision capability on the International Space Station (ISS).

This new capability, the Dextre Deployable Vision System (DDVS), combines existing vision system technologies such as laser scanning, infrared sensors as well as high definition cameras in a novel robotically-compatible instrument. It will contribute directly to the general maintenance and upkeep required to keep the ISS operational, enhancing ISS inspection ability to support operations and maintenance of the aging ISS infrastructure, including Canada's Mobile Servicing System.

The DDVS supports Canada's continued commitment to the ISS and contributes to the enhancement of Canada's return on ISS investment.

The new capability has the following mission objectives:

- Provide enhanced external surface inspection service to the ISS
- Advances in technologies needed for future exploration missions
- Robotic Mobility
- Minimize changes to the ISS operations practices
- Inspiring Canadians

The purpose of this Request for Information is to solicit information from the Canadian industry that will help PWGSC and the CSA refine mission requirements. Respondents are invited to provide comments, concerns and where applicable, alternative recommendations regarding how the requirements or objectives described in this RFI could best be satisfied. Respondents are also invited to provide comments regarding the content, format and/or organization of draft documents included in this RFI. Respondents should explain any assumptions underpinning their responses.

The intended procurement approach is summarized as follows:

- Competitive Request for Proposals for Phase A, with an 8 week posting period
- Two firm fixed price procurements to be awarded for Phase A
CSA intends to require for Phase A that Bidders be industry which has had significant experience in developing space qualified instruments.
- Competitive Request for Proposals for Phases B, C and optional Phase D
- One firm fixed price procurement to be awarded for Phases B, C and optional Phase D

The following CSA documents are applicable to this RFI:

Document Number	Document Title
DDVS-MD2-CSA Rev. A_RFI	DDVS Mission Requirements Document
DDVS-EN2-CSA IR_RFI	DDVS Interface Control Document

These above mentioned documents are available at the following FTP site:

<ftp://ftp.asc-csa.gc.ca/users/ESM/pub>

These documents are available in English only as the working language of the Space Station program is English.

2. Nature of Request for Information

This is not a bid solicitation. This RFI will not result in the award of any contract; therefore, potential suppliers of any goods or services described in this RFI should not earmark stock or facilities, nor allocate resources, as a result of any information contained in this RFI. Nor will this RFI result in the creation of any source list; therefore, whether or not any potential supplier responds to this RFI will not preclude that supplier from participating in any future procurement. Also, the procurement of any of the goods and services described in this RFI will not necessarily follow this RFI. This RFI is simply intended to solicit feedback from industry with respect to the matters described in this RFI.

This RFI is not a pre-selection process. There will be no short listing of firms for purposes of undertaking any future works, as a result of this RFI. Similarly, participation in this process is not a condition or prerequisite for participation in an eventual RFP.

This RFI is neither a Call for Tenders, nor a Request for Proposal, and no agreement or contract will be entered into with any contractor, based on responses to this RFI. The issuance of this RFI is not to be considered in any way as a commitment by Canada, or as authority for the respondent to undertake any work which could be charged to Canada, nor is this RFI to be considered a commitment to issue eventual RFP's or award eventual contracts in relation to this project.

Canada shall not be bound by anything stated in this RFI. Canada reserves the right to change all or any parts of this RFI and its supporting documentation as deemed necessary.

3. Response Cost

Canada will not reimburse any respondent for expenses incurred in responding to this RFI.

4. Treatment of Response

- (a) Responses will not be formally evaluated. However, the responses received may be used to develop or modify procurement strategies or any draft documents contained in this RFI. Canada will review all responses received by the RFI closing date.
- (b) A review team composed of representatives of CSA and PWGSC will review the responses on behalf of Canada. Canada reserves the right to hire any independent consultant, or use any Government resources that it deems necessary to review any response. Not all members of the review team will necessarily review all responses.
- (c) Respondents are advised that any information submitted to Canada in response to this RFI may be used by Canada in the development of a subsequent competitive RFP. Respondents should mark any portions of their response that they consider proprietary or confidential. Canada will treat those portions of the responses as confidential to the extent permitted by the Access to Information Act.
- (d) Canada may, in its discretion, contact any respondents to follow up with additional questions or for clarification of any aspect of a response.

5. Canadian Content

This procurement is not subject to any trade agreements. As such, the intention of Canada is to limit this subsequent procurement to Canadian goods and Canadian services as defined in SACC Clause A3050T (2014-11-27).

Please provide information as to how you believe it is feasible to meet this requirement.

6. Contents of the Request for Information

Respondents are invited to submit a reply to the RFI that addresses any or all of the topics listed below.

To facilitate the review of the responses to this RFI, respondents are asked to address and present the requested information in the order in which the topics are presented. Such topics are:

6.1. Respondent Information

- (a) Please provide background information on your company (or consortium members that would be created for such a project), company/consortium management team and experience with similar projects in the area of advanced vision systems and delivery of space-qualified hardware and software.
- (b) Please provide the name, telephone number, and e-mail address of a representative who may be contacted for clarification or other matters related to the response.

6.2. Understanding of the Mission Requirements

- (a) Do the requirements provide sufficient information and clarity?
- (b) Do you view any of the requirements as problematic?
- (c) Is there anything in the requirements that would preclude you from bidding?
- (d) Could you identify areas in the requirements which require clarification or which appear to be incomplete and explain why?
- (e) In the case where a requirement is labeled with "To Be Reviewed" or "TBR", would you suggest alternative solutions? Please include rationale.

6.3. Risks

- (a) In the context of a fixed price procurement approach, what are the main areas of risk, both programmatic and technical?
- (b) What would be the potential actions that you would suggest to mitigate those risks?

6.4. Recommendations, suggestions or comments

- (a) Could you please provide general feedback and/or any recommendations, inputs or comments (including technical information) that could assist Canada in developing the procurement strategy including the future Request for Proposals (RFP) documents?
- (b) Could you please provide general feedback and/or any recommendations, inputs or comments that could assist Canada in minimizing the costs and risks?

7. Submission of Responses

The Respondent interested in providing a response should send their response only to Public Works and Government Services Canada Bid Receiving Unit by the date, time and place indicated on page 1 of this document.

Each respondent is solely responsible for ensuring its response is delivered on time to the correct location.

Each respondent should ensure that its name and return address, the solicitation number and the closing date appear legibly on the outside of the response.

It would be appreciated if respondents could provide their responses in one printed copy and one electronic copy. The electronic file format of the response must be in either the Adobe Portable Document Format (PDF)TM or in a file format that is readable by the Microsoft OfficeTM Suite.

Provision of an electronic copy is required in order to facilitate the distribution of the RFI responses to both PWGSC and CSA representatives. Responses are to be submitted in one of the two Official Languages of Canada (English or French).

If the response includes multiple volumes, respondents are requested to indicate on the front cover page of each volume the title of the response, the solicitation number, the volume number and the full legal name of the respondent.

The first page of each volume of the response, after the cover page, should be the title page, which should contain:

- (a) the title of the respondent's response and the volume number;
- (b) the name and address of the respondent;
- (c) the name, address and telephone number of the respondent's contact;
- (d) the date; and
- (e) the solicitation number.

Respondents are requested to prepare their response using a numbering system corresponding to the one in this RFI. All references to descriptive material, technical manuals and brochures included as part of the response should be referenced accordingly.

All the documentation submitted must be marked with the following:

Name of Respondent

DDVS RFI Response - 9F052-14-1026

Date (YYYY-MM-DD)

8. Enquiries

Because this is not a bid solicitation, Canada will not necessarily respond to enquiries in writing or by circulating answers to all potential suppliers. However, respondents with questions regarding this RFI may direct their enquiries to :

Caroline Séguin

Title: Contracting Authority
Public Works and Government Services Canada

Telephone: 450-926-4505

E-mail address: caroline.z.seguin@tpsgc-pwgsc.gc.ca