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## SOLICITATION AMENDMENT

## MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

### Comments - Commentaires

### Vendor/Firm Name and Address

Raison sociale et adresse du  
fournisseur/de l'entrepreneur

### Issuing Office - Bureau de distribution

Maritime Aircraft Division/Division de aéronefs  
maritimes

11 Laurier St. / 11, rue Laurier

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Gatineau

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K1A 0S5

<b>Title - Sujet</b> Tactical Control Radar systems	
<b>Solicitation No. - N° de l'invitation</b> W8475-155257/A	<b>Amendment No. - N° modif.</b> 010
<b>Client Reference No. - N° de référence du client</b> W8475-155257	<b>Date</b> 2016-11-18
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$BQ-164-25949	
<b>File No. - N° de dossier</b> 164bq.W8475-155257	<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 2016-11-30</b>	
<b>Time Zone</b> Fuseau horaire Eastern Standard Time EST	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Chénier, Suzanne S.	<b>Buyer Id - Id de l'acheteur</b> 164bq
<b>Telephone No. - N° de téléphone</b> (873) 469-3829 ( )	<b>FAX No. - N° de FAX</b> (819) 997-0437
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

Instructions: See Herein

Instructions: Voir aux présentes

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> Raison sociale et adresse du fournisseur/de l'entrepreneur	
<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>

The purpose of Amendment 010 to this Letter of Interest (LOI) is to provide answers to questions received during and after the LOI #1 Industry Day and One on One Sessions, as well as to modify Article 8 – Closing Date for the Letter of Interest (LOI #1).

## 1. Questions and Answers

N°	Question	Answer
1	Will the names of the participants or their respective companies be shared with the public?	No participant information will be published as part of this solicitation process.
2	Why is Canada considering issuing two contracts, rather than a single contract as implied by the draft RFP included in the LOI?	At this time, Canada is still reviewing the contractual requirements and a final decision on either one (1) or two (2) contracts will be made prior to the release of any formal Request for Proposal (RFP).
3	It is mentioned that "Contracted Resources" will be used in the Bid Evaluation. Who will these resources be?	The Contracted Resources that will take part in the evaluation are Tactical Control Radar (TCR) and other Department of National Defence (DND) Project Management Team members that are embedded contracted resources. In order to remove any Conflict of Interest, no Company that represents these embedded contracted resources will take part in any bid proposal from Industry. Canada will not be contracting additional external help to perform the bid evaluation.
4	Can Canada clarify the provision of Spares as part of this Contract? Will spares be included in the Financial Evaluation section? How will In Service Support be financially evaluated? Will Canada put a tighter requirement around the quantity of spares (i.e. by specifying overall radar availability)?	<p>At the moment, the procurement of any spare parts or In-Service Support would be an option available to Canada. There is a requirement for a winning Contractor to perform sparing analysis to determine the level of spares required for the end solution.</p> <p>The procurement of spares and evaluation of them is still being investigated by Canada and will be finalized prior to the release of any formal RFP.</p> <p>The evaluation of all financial requirements will be finalized prior to the release of any formal RFP.</p>
5	Currently Canada has stated that payment for any optional system will be made upon delivery and acceptance. As the production, testing and any other required work on these	Canada does not consider the current Basis of Payment included in the DRAFT RFP documentation as being final. Changes, if any, will be incorporated prior to the release of any

	systems is extensive and lengthy, this could create a negative cash flow situation for a Contractor. Can this be changed?	formal RFP.
6	Would Canada consider including radar delivery as part of the rated evaluation criteria?	Canada will take this under advisement and any changes to the rated evaluation criteria will be finalized prior to the release of any formal RFP.
7	Will Canada be incorporating a risk evaluation into the technical bid evaluation?	At this point a risk evaluation is not planned as part of the evaluation but Canada will take this under advisement. Any changes to the technical bid evaluation will be finalized prior to the release of any formal RFP.
8	There are many requirements in the Statement of Work identified as MUST but do not appear in the Evaluation or Demonstration Evaluations, what happens with these?	Any requirement in the Statement of Work (SOW) identified as MUST is a mandatory requirement for the TCR System. These will not be evaluated as part of the solicitation process, however, they will form part of the contractual obligations after contract award.
9	Are there plans to do another Letter of Interest to solicit information for this requirement?	There is another Letter of Interest that is planned to be published in early 2017 solely for the purpose of soliciting information related to the Industrial and Technological Benefits (ITB) and Value Proposition (VP) evaluation. This LOI#2 will be the second and final phase of the LOI engagement for the TCR project.
10	The Tactical Control Radar has not been included in the Defence Acquisition Guide (DAG) for 2016, why is that? Can Canada provide clarity on the actual budget?	One of the key objectives of this LOI process is to gain financial information from Industry (Annex D – Pricing Requirement) to ensure that the budget levels currently envisioned are adequate to deliver this requirement in its entirety. DND will use the Pricing information to finalize the budget for the project. At this time, Canada cannot share any information regarding the final budget. It may be that the project will not be listed in the DAG until the project passes the first approval gate as identified in the Industry Day slide package.
11	The current Milestone and payment schedule shows 24 month delivery. If the product is delivered sooner than the 24 months, when will the payment be made?	The number of Months After Contract Award (MACA) listed as part of the Milestone Description, Criteria and Basis of Payment are not firm fixed timelines. These MACA are considered as “no later than”. If a milestone is completed and delivered earlier than the stated MACA as per the terms and conditions of a resulting contract and if accepted by Canada payment will be made at that time.

12	Is this requirement tied to any other past or present procurement process, successful or not, for Tactical Control Radars?	This requirement, W8475-155257, is a standalone requirement not related to any other past, present or future procurement process. The Statement of Work, specifications and requirements laid out in the draft RFP documentation should be considered as a new requirement and not tied, linked or compared to any past procurement for radars.
13	Can Canada provide further explanation of "Delivery" (24 months and 30 months)? What does Canada mean by delivery? Does this refer to the shipment of the radar?	Delivery is defined as all equipment for one system delivered and on site and ready to test (i.e. Site Acceptance Test). Currently, the first TCR system is scheduled to be delivered no later than 24 months after award of a contract; followed by the second TCR system no later than 30 months after award of a contract.
14	Will Canada have more one on one sessions for this requirement?	Canada will take this into consideration and make a decision at a later time.
15	Why is Canada invoking the ITAR restrictions for this procurement?	Some of the equipment that Canada will need to loan as Government Furnished Equipment (GFE) is ITAR/CTAT Controlled Goods. Canada is required to remain compliant with ITAR.
16	Is the NS-SCC requirement for Canadian/US Citizens being invoked for the integration? Can other aspects of the Project Management be done by foreign nationals?	The Can/US citizenship restriction applies to COMSEC and crypto equipment, per Communications Security Establishment Canada policies and ITAR restrictions associated with other Government Furnished Equipment (GFE). Radars can be manufactured in any country. All project staff must be Can/US citizens, as Canada has no method to control International Traffic in Arms Regulations (ITAR) and Controlled Technology Access and Transfer (CTAT) items once they are issued to a company. Additionally, there is no way to limit access to other company personnel. Individuals involved in the integration of COMSEC/Crypto and ITAR controlled equipment must be CAN/US citizens. However, non Can/US citizens may be involved in assisting the Prime Contractor with some performance of the work, including Preliminary Design Reviews, Critical Design Reviews, as well as acceptance testing, but they must be escorted and cannot have access to controlled goods, including ITAR items and COMSEC material.
17	What is the purpose of the lengthy approval process (duration between LOI #1 and the issuance of the RFP)?	Prior to issuance of an RFP, Canada is required to go through a prescribed approval process. The pricing and availability information requested in

		Annex D of LOI #1 is necessary for DND to achieve the first stage of the approval process.
18	Is Canada able to confirm the project schedule?	Tentative schedule dates are included as part of LOI #1.
19	How long is the validity period for the irrevocable options?	At this time, Canada has not determined the length of the validity period for the options. Canada will determine the best approach and the validity period for the optional third period will be finalized prior to the release of any formal RFP.
20	With regards to the RFP bid validity period, 18 months is a long time—would the Canada consider shortening this time?	Canada understands that the RFP bid validity period may be difficult for Industry, however there are a number of internal processes within Canada that cannot begin until after the RFP closes, such as the bid evaluations, project and contract approvals, and security requirements, etc. Canada estimates that 12 to 18 months will be required between the solicitation closing date and the award of a contract. Canada has included an economic price adjustment clause to limit any liability on bidders.
21	Are there any further requirements required or may be required for the infrastructure that supports the radars? Who will be required to contract the final construction of any infrastructure change? Has Canada thought about including the actual construction as part of the deliverable as well?	<p>The requirements for the Infrastructure Design are detailed in the SOW and are not intended to change at this time. As stated in the requirement, Canada expects only those deliverables laid out in the Annexes and appendices.</p> <p>At the moment, Canada intends to use the information delivered to contract the actual physical construction and as such, Bidders will need to ensure that all design and equipment specifications can be provided to Canada without any restrictions. Canada will be responsible for hiring a construction firm. The Contractor would be responsible for the infrastructure design therefore, the cost to complete all aspects of the infrastructure design requirements of the Statement of Work will need to be included as part of a Bidder's financial proposal, excluding the cost of any resulting construction. The design effort being costed in a proposal should be based on the course of action that a Contractor recommends.</p>
22	Are bidders expected to define costs associated with infrastructure modifications?	Cost estimates associated with the modifications themselves would be provided after contract award as part of the design documents in the Contract Data Requirements List (CDRLs). With

		regards to infrastructure related costs being incorporated into the financial bid proposals during the RFP, Canada expects that the bidders submit only the prices associated with their design efforts for the infrastructure modifications since Canada will be responsible for the implementation of the agreed upon modification designs.
23	Would Canada provide the specifications of the actual radomes currently installed at 42 Radar Squadron and 12 ER?	Yes, Canada will provide the specifications for the radomes currently installed at 42 Radar Squadron and 12 Escadron de Radar (ER).
24	Does the construction impact the delivery of the final radar systems? How will the facilities readiness affect Site Acceptance Testing (SAT)?	Should any required changes to the existing infrastructure, including the construction of any new structures, not be completed by the time the radar systems are ready for delivery, Canada expects that the systems will still be completed outside of these structures. Construction will not impede the delivery of the radar systems. If the Radar Heads are not ready for Site Acceptance Test (SAT) of the TCR, then the TCR SAT evaluation will be limited to a deployed scenario.
25	Can Canada provide site access, via an official Site Visit, prior to release of an RFP to allow potential bidders to view and inspect the radar sites?	At this time, Canada has no intention to have any site visits prior to the release of any formal RFP. Mandatory Site Visits will form part of the bid solicitation process and be held earlier on in the open proposal stage. The length of time the proposal stage is open to accepting formal bids will be determined prior to the release of any formal RFP and will take the site visit requirement into consideration to give all potential bidders ample time to prepare.
26	Is there currently any infrastructure in place to send and receive data? What are the link requirements for the interrelated projects listed in the SOW?	Canada will investigate further and ensure that pertinent information with regards to the link requirements is available with the release of any formal RFP.
27	Will time be given to potential bidders to do Geotechnical engineering analysis, site survey or environmental analysis?	DND has completed most if not all of these requirements and will provide bidders with the results of all site analysis as Government Furnished Information (GFI).
28	Is the third radar an operational requirement? Is it currently an option because funding is unsure? How should options be included in the cost?	The operational requirement is for three (3) TCRs. The anticipated cost of acquiring either two (2) or three (3) radars is expected to exceed current Treasury Board approvals and therefore, DND must go through an internal approval

		process to secure funding for the optional third radar.
29	Has Canada considered the latest in radar technology in the technical specifications?	Any radar technology used in the TCRs must meet the technical requirements specified in the SOW and all of the mandatory requirements in order to be considered.
30	Will the technical requirements for the functionality and specifications of the radar change or are they final as of right now?	Canada is still reviewing the final specifications required to meet operational needs. The final specifications will be finalized prior to the release of any formal RFP.
31	Would Canada consider specifying the operational environment and describe specific scenarios vice stating a design requirement?	Canada is still reviewing the final specifications required to meet operational needs. The final specifications will be finalized prior to the release of any formal RFP.
32	Normally, the Command and Control (C2) software suite changes parameters such as speed and direction. Does DND expect to force manual changes such as assigning a Call Sign?	Canada will review the requirement to determine if further information or clarity will be provided in any formal RFP.
33	What is the intended primary role of the Tactical Control Radar? Training? Air Traffic? Etc?	The TCR will be a multi-function, multi-role radar system with emphasis on Air Defence including force generation, and support to NORAD, NATO, G7, and G8 activities, for example.
34	Canada is requesting "operationally accepted Non-Developmental Item (NDI) radars" as well as proof that the proposed radars have been "operationally accepted by other customers." Will Canada consider defining a specific Technology readiness level (TRL), instead?	Canada will investigate further and any changes to the requirements will be finalized prior to the release of any formal RFP.
35	In the SOW it speaks of a minimum of 8 radar feeds in one spot and 4 simultaneous feeds to be displayed in another spot—are all 8 actually to be simultaneously displayed?	The system must simultaneously display up to four (4) different radar feeds per the SOW. The TCR System must be designed to provide a minimum of eight (8) radar data feeds. These ports are to provide simultaneous and independent radar data feeds per the SOW.
36	Will recordings in ASTERIX and CD2 be provided as GFI?	No, the SOW specifies the recording requirements.
37	What do you mean, exactly, by "software upgrades must be backwards compatible?"	The software upgrades must be compatible with the delivered baseline.



38	The SOW mentions both a TDL C2 processor and a C2P processor—are these different? Do these refer to the ADSI?	TDL C2 processor and C2P processor are the same and do not refer to Air Defence Systems Integrator (ADSI).
39	Are there any upgrades required for any equipment currently in the radar shelters that will remain after delivery?	At this time, Canada does not intend to have a Contractor perform any other work on the existing equipment that will be integrated with the new TCR platforms.  Should Canada decide to have a Contractor perform any other work on the existing equipment, such a requirement will form part of any formal RFP prior to its release.
40	Is there a requirement to upgrade displays in the Remote Training Operations Centre (RTOC)? What is the display upgrade requirement, exactly?	The displays and console positions must be functionally identical in the Contractor Supplied Shelter and the Remote Training Operations Centre (RTOCs). There will be two (2) additional displays in 12 ER. Canada will review to determine if clarification is required. Display functionality is detailed in the SOW.
41	Do console related items (41 through 46) of the demonstration evaluation, refer to the maintenance console?	Bidders could demonstrate all console related items using either a maintenance or operator console.
42	Is the Government Furnished Equipment and Material standalone or rack mountable? Will contractor supplied racks be required in order to house the Link 11 equipment provided as GFE? Will contractor supplied racks be required for the Satcom ground station?	Equipment will be provided to the contractor in Government Furnished Equipment (GFE) racks. Typically Satcom ground station equipment would be housed in a contractor supplied rack in the shelter, but DND will verify the requirement prior to the release of any formal RFP.
43	Will GFE and GSM be supplied for only the firm two radars or will it account for the potential third radar? If three (3) TCR systems are purchased, will this increase the requirement for ADSIs from 2 to 3?	Should Canada exercise the option to procure the third radar system, GFE and Government Supplied Material (GSM) will be supplied appropriately. However, the ADSIs from the first two (2) systems could be used for the third system as well. Canada will investigate further and any changes to requirements will be finalized prior to the release of any formal RFP.
44	How will Government Furnished Information (GFI) be supplied?	Canada will provide all GFI on a CD/DVD media as per the terms and conditions of an awarded contract.
45	Why is the Solacom included in the GFE list?	Canada is still reviewing the GFE list and will finalize it before the release of any formal RFP.



46	What cryptographic equipment is being provided as GFE?	All provided GFE is listed in the SOW.
47	Does Canada intend to list the PRC-117 accessories and the HF radio configuration as part of the GFE?	Yes, the SOW will contain this additional GFE information.
48	What will be required for the Equipment Evaluation? Will there be Live Targets used in the Equipment Demonstration? Will there be any rated criteria? Can you clarify the requirements of the physical evaluation during the RFP?	<p>As part of the solicitation process, equipment will be evaluated using a combination of methods. There will be a "paper based" evaluation that will assess certain mandatory requirements and award points for rated requirements. There will also be a live Equipment Demonstration that will consist of differing methods to demonstrate capability.</p> <p>Currently, it is up to the bidder to decide whether live or simulated targets will be used to demonstrate compliance. Mandatory and rated criteria can be found in Annex E, Bid Evaluation Matrix, of the draft RFP. There is an evaluation matrix as part of the LOI package that describes what will be tested during the physical demonstration. It will be the radar sub-system only that is tested. The meaning of the letter "D" is for demonstration, and the meaning of "PVD" is for previously verified data.</p>
49	Can the capability demonstration be at the bidder's location?	At this time, it is Canada's intention that the bidder will be allowed to choose the location for the capability demonstration.
50	How does Canada plan to test requirements such as range and azimuth resolution?	It would be the Bidders' responsibility to demonstrate compliance to the requirement. Bidders may use various means such as radar target generators, targets of opportunity, etc.
51	How will the evaluation process for the rated requirements involving Radar Cross Section (RCS) ensure all bidders use the same RCS?	Per Annex E (Bid Evaluation Matrix), Section E1, Item 5 Target Definition - Bidders must provide technical data to prove compliance. Technical data must include test documentation performed with a feed horn, Radar Analysis Support System or live flight tests.
52	What are the percentage points allocated for the evaluation (i.e. technical, financial and Value Proposition)? What is a typical % breakdown for technical, financial, and VP scores?	Canada is seeking feedback on the evaluation matrices and will take recommendations under advisement. Each project is different and develops their breakdown independently, depending on their needs. RFPs for similar projects may be available at

		<a href="http://www.BuyandSell.gc.ca">www.BuyandSell.gc.ca</a> .
53	Can Canada provide the reason that height accuracy is currently the only rated radar PERFORMANCE requirement and how it will be evaluated?	Canada will take this into consideration and make a decision at a later time. Should Canada decide to provide such information, it will form part of any formal RFP prior to its release.
54	Will the Value Proposition evaluation be assessed on the firm 2 radars or include the 3 <sup>rd</sup> potential radar?	Canada is in the process of developing the ITB and VP evaluation framework. Currently, the total contract value is what is being considered for evaluation purposes. There will be a second Letter of Interest to solicit further feedback on ITB and VP within the next few months.
55	What is meant by "eligible party" in reference to ITB and VP?	The term "Eligible Party" has been changed to "Eligible Donor" and is currently being used on other defence procurements that encompass ITB and VP. The subsequent TCR LOI will include draft ITB Terms and Conditions, containing an Eligible Donor definition.
56	Would consideration be given to realigning milestones after contract award?	Canada would not rule out this consideration and has taken it under consideration.
57	Will Interface Control Documents (ICD) be provided for all Government Furnished Information (GFI) listed in Appendix 9 of Annex A?	Yes, ICDs will be provided for all GFI listed in Appendix 9 of Annex A. The medium is to be determined, but may be CD/DVD.
58	Does the SOW specify how plots turn into tracks (i.e. correlation or fusion)?	No. The SOW details the correlated target report requirements.

## 2. Modify Article 8 – Closing Date for the Letter of Interest (LOI #1):

At Article 8 – Closing Date for the Letter of Interest (LOI #1) of Page 12 of the LOI n°1:

**DELETE:** The LOI #1 (Industry Engagement) closing date is currently planned for October 31, 2016.

**INSERT:** The LOI #1 (Industry Engagement) closing date is currently planned for November 30, 2016. No additional questions will be accepted by Canada.

**All other terms and conditions of this Letter of Interest remain the same.**