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**Gatineau, Québec K1A 0S5**  
**Bid Fax: (819) 997-9776**

**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**  
Science Procurement Directorate/Direction de  
l'acquisition de travaux scientifiques  
11 Laurier St. / 11, rue Laurier  
11C1, Place du Portage  
Gatineau, Québec K1A 0S5

<b>Title - Sujet</b> MEOSAR Ground Segment Phase 2	
<b>Solicitation No. - N° de l'invitation</b> W8474-177351/A	<b>Amendment No. - N° modif.</b> 005
<b>Client Reference No. - N° de référence du client</b> W8474-177351	<b>Date</b> 2017-02-21
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$ST-005-30676	
<b>File No. - N° de dossier</b> 005st.W8474-177351	<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 2017-03-30</b>	
<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> Byrnes, Ashley	<b>Buyer Id - Id de l'acheteur</b> 005st
<b>Telephone No. - N° de téléphone</b> (873) 469-4453 ( )	<b>FAX No. - N° de FAX</b> (819) 997-2229
<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> <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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This amendment is raised to address the following:

- To respond to questions received during the solicitation period.

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### **Questions and Answers**

- Q41: Second Generation Beacon (SGB) requirements are not included in the Canadian RFP. The requirements for a MEOLUT to support SGB have been well developed in the Cospas-Sarsat program and it is common knowledge that the final specification for SGB will be approved in 2017 or 2018. In fact, from as early as 2013, MEOLUT tenders from major SAR ground system operating countries such as Australia, New Zealand, Argentina, Singapore, UK, and US have already explicitly requested this feature. Even though the delivery of processing capabilities for SGB will happen on a later date than the initial systems, these tenders all requested the proposed solutions to be "hardware-ready" and include the cost-free software upgrade to support SGB. Our questions:
- a. Will a bid be scored more favorably if the proposed solution includes the capabilities to process Second Generation beacons in the MEOLUT?
  - b. If a bidder is willing to include the support for SGB in the base offer, essentially for free, will this offer be considered more advantageous than an otherwise exactly same offer (technically and financially) but without the SGB support?
  - c. In general, what is the mechanism for a bidder to offer additional features in this tender? How are two different bids evaluated if they both met all the requirements in the tender, but one offers additional features at no cost, or at cost?
- A41: In accordance with section 6.3.2.1 of the DBAC SOW: "Process and recover 406 MHz beacon message data as per the processing sequence and message recovery requirements of C/S document T.019 for all satellite data channels using the format described C/S document T.001, C/S document T.015, and C/S document T.018;" Consequently, the requirement to process SGB distress alerts are included in this solicitation. Additional features, beyond those specified in the DBAC and ISS SOWs will not be considered during the evaluation of the bids.
- Q42: In the recently published Amendment 002 to the subject Solicitation, dated Feb. 1, 2017, Q25 specifically asked about the Canadian Content certification during the evaluation process. We have further questions related to this issue:
- a. Does a bidder need to submit details of calculation for meeting the 80% Canadian content requirement together with the certification?
  - b. Section 4.1 (c) of Part 4 "Evaluation Procedures and Basis of Selection" in the solicitation states that "The evaluation team will determine first if there are two or more bids with a valid Canadian Content certification." How does the certification and 80% claim get validated and verified by the evaluation team? How much detail and evidence will the evaluation team analyze to fully validate such a critical claim?
  - c. Does this validation process for the Canadian Content certification happen first, before any other evaluation can proceed for the bids? Section 4.1 (c) seems to indicate that. Please confirm.
  - d. If a bidder's Canadian Content certification and the 80% content claim are verified to be false, what penalty would this bidder receive and what will happen to this bid? If the Canadian Content certification is ruled invalid, resulting in few than two bids with a valid Canadian Content certification, will this particular bid be evaluated as "all bids will be evaluated"?

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- A42: As indicated in Part 4 of the solicitation, Evaluation Procedures and Basis of Selection, the evaluation team will first review the Canadian Content certifications provided with the bids to determine if there are two or more bids with a valid Canadian Content certification. Bidders must submit the certification as outlined in Part 5 of the solicitation, Certifications and Additional Information. 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.
- Q43: According to the DBAC evaluation criteria requirement "R10", a maximum score is given for a system that can track more than 10 satellites simultaneously. Question - Is it assumed, but not stated, that each such satellite must also meet the "R2" requirement simultaneously?
- A43: No, the R2 and R10 criteria will be evaluated independently. For the purpose of evaluating R10, the satellites are those as stated in C/S document T.019.
- Q44: In the evaluation criteria listed for the DBAC Statement of Work (SOW) and the ISS SOW, several criteria called up in the statements of work are not considered as part of the scoring tables. As two examples, timing and frequency accuracy from part 6.3.2.8 through 6.3.2.10 and the Software and computer engineering for the development and implementation of a MEOLUT Coverage Area Simulation Tool (CAST), part 6.1.9 et alia, both of the DBAC SOW, are not reflected in the points tables M1 through M11 and R1 through R10. Question - Can Canada expand on how the proposal will be evaluated and confirm that the evaluation be based solely on the tables provided in Appendix E and the criteria of Appendices C and D as stipulated in the "Summary of the Scoring Methodology", Appendix A part 1.1.2?
- A44: The evaluation scoring will be performed as described in Part 4 of the solicitation. However, as detailed in section 7.1 of the resulting contract clauses, all DBAC and ISS SOW requirements must be met, regardless of whether they were evaluated as part of the bid process.
- Q45: Taken as individual requirements, the DBAC evaluation criteria do not include S-Band performance in any of the "R" requirements. Question - As such will a strictly L-Band system be considered a compliant system?
- A45: A Ground Segment system solution that meets all the requirements and mandatory criteria in accordance with Part 4 of the solicitation will be evaluated.
- Q46: Annex A, Statement of Work, Design Build and Commission references two "Environmental Effects Determination" (EED) studies, one as Appendix A for Goose Bay and one as Appendix B for Riverbend. Question - Can Canada confirm that the requirements in the body of Annex A, Statement of Work, Design Build and Commission have precedence over any requirement in the two Environmental studies (EED)? As an example the DBAC SOW Part 7.5.1.3.1 states that the building "...Be at least 200 square feet, be rectangular in shape, where the smallest dimension must be at least 10 feet..." while the EED studies (part 1 Description of Activities, Schedule and Site) refer to a MEOLUT building measuring 10m by 8m (845 sq. ft.). While the issue of the size discrepancy was dealt with in Amendment 002, the question of precedence remains.
- A46: Section 1 of the Goose Bay EED at Appendix C contains assumptions that were made to allow the development of mitigating measures specific to that site. These assumptions do not constitute requirements. Actual requirements can be found in the DBAC SOW.

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- Q47: Under the ISS evaluation requirements, there is no definition of coverage area in terms of the performance parameters to be measured. Question - What coverage area should be assumed in these cases?
- A47: For the purpose of the ISS evaluation of criteria R17 to R25, the coverage area is the area declared through analysis and simulation as part of the DBAC evaluation criteria M6, as well as R3 to R9.
- Q48: The DBAC evaluation criteria "R1" specifies an optimum channel availability of greater than 99.7%. Question - Does the channel availability requirement exclude time to switch between satellites?
- A48: Yes.
- Q49: Can you please confirm whether DND is responsible for and will perform all 1st Line Corrective Maintenance for both sites during both the Design Build and Commission (DBAC) and In-Service Support (ISS) Phase?
- A49: As part of the ISS scope of work, the selected bidder will be responsible for all aspects of Corrective and Preventative Maintenance at the MEOLUT sites with the exception of the maintenance of the buildings and their associated mechanical systems (e.g. HVAC). DND personnel will also maintain the electrical and communication infrastructure connected to the MEOLUTs. DND personnel at each site may be able to assist the selected bidder in performing first line maintenance activities at the sites within the capability of the technicians employed at the site. During the DBAC scope of work (i.e. before the MEOLUTs are commissioned), the selected bidder will be responsible for the maintenance of all delivered components, including the buildings, mechanical, and electrical components and DND personnel will only be maintaining the communications and electrical infrastructure up to the applicable demarcation point at each site.
- Q50: Can you please confirm whether Contractor-provided Corrective Maintenance will be invoked via an Authorized Tasking or forms part of the ISS Core Support? If Contractor-provided Corrective Maintenance is part of the ISS Core Support contract, what differentiates Corrective Maintenance from "factors beyond Preventative and Corrective Maintenance" as per Section 6.1.12 of the ISS SOW?
- A50: Corrective Maintenance is a core support activity that must be provided by the selected bidder as part of the fixed price for the ISS scope of work. Task authorized corrective maintenance activities found in section 6.1.12 of the ISS SOW are associated with the rectification of unserviceabilities that cannot be linked to normal operating conditions for the delivered system. Such conditions include, but are not limited to, natural disasters, vandalism, faults due to Canada's personnel operation or maintenance of the system's components, and operation or storage of the system outside of its approved operating envelope.
- Q51: Can you please confirm the applicability of Table 6, of the ISS SOW: Technical Problem Response time with respect to the Contractor's specific responsibilities? As an example, if DND is responsible for 1st-line maintenance, do these response times apply to the time of initial failure or the point at which 2nd Line Contractor-provided Corrective Maintenance is requested by the Crown after unsuccessful 1st line Corrective Maintenance assessment.
- A51: In accordance with the answer to Q47, DND is not responsible for 1st-line maintenance. Therefore, the response times listed in Table 6 of the ISS SOW are calculated in accordance with the requirements specified in section 6.7.13 of the ISS SOW.

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Q52 Can you please confirm whether DND is responsible for and will perform minor 1st Line Preventive Maintenance outside the two mandated Contractor Preventive Maintenance Service intervals?

A52: As part of the ISS scope of work, the selected bidder will be responsible for all aspects of Corrective and Preventative Maintenance at the MEOLUT sites with the exception of the maintenance of the buildings and their associated mechanical systems (e.g. HVAC). DND personnel will also maintain the electrical and communication infrastructure connected to the MEOLUTs. DND personnel at each site may be able to assist the selected bidder in performing first line maintenance activities at the sites within the capability of the technicians employed at the site. During the DBAC scope of work (i.e. before the MEOLUTs are commissioned), the selected bidder will be responsible for the maintenance of all delivered components, including the buildings, mechanical, and electrical components and DND personnel will only be maintaining the communications and electrical infrastructure up to the applicable demarcation point at each site.

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ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME