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K1A 0S5

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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**

Weapons Systems Division/Division des systèmes  
d'arme

11 Laurier St. / 11, rue Laurier

8C2, Place du Portage

Gatineau

Québec

K1A 0S5

<b>Title - Sujet</b> Dismounted Counter UAS Dismounted Counter Uncrewed Aircraft System	
<b>Solicitation No. - N° de l'invitation</b> W8476-236684/B	<b>Amendment No. - N° modif.</b> 004
<b>Client Reference No. - N° de référence du client</b> W8476-236684	<b>Date</b> 2023-07-13
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$BM-036-29098	
<b>File No. - N° de dossier</b> 036bm.W8476-236684	<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> Eastern Daylight Saving Time EDT <b>on - le 2023-08-03</b> Heure Avancée de l'Est HAE	
<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> Langdon (bm div), Darren	<b>Buyer Id - Id de l'acheteur</b> 036bm
<b>Telephone No. - N° de téléphone</b> (819) 639-3772 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<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>

The purpose of amendment 004 is to answer questions received .

## 1. Questions

Question No	Question	Response
039	The FSS should transmit and receive Tactical Data Link (TDL) message formats to/from a Canadian Army C2 system  What TDL system are we integrating with? RF or IP?	The C2 system interface used the JREAP-C standard. (MIL-STD 3011 and STANAG 5518)
040	ANNEX "A", APPENDIX 2: 1.2.42. The DODS must have a zeroize option to wipe out the UAS libraries from the DODS.  What is the timing requirement to zeroize the system?	No specific timing is required.
041	ANNEX "A", APPENDIX 3: 1.2.41. The FSS must have a zeroize option to wipe out UAS libraries from the FSS.  What is the timing requirement to zeroize the system?	No specific timing is required.
042	APPENDIX 2: 1.2.19. The DODS weight must not exceed 8 Kilograms including battery when operating; And 1.2.36. The individual components of the DODS when in transport cases must be 23 Kilograms;  Are the weight requirements specified in the RFP for the portable omni-directional device the maximum weight allowance, or a target weight allowance?	It is the maximum weight allowed for the portable omni-directional device and a mandatory requirement.
043	Annex B Statement of Work - In Service Support Section 5.8, Training Targets  5.8.1 The Contractor must provide and operate sufficient Class 1 UAS targets, as per the Blue UAS Cleared List, as part of the training package delivery to ensure that each student has the opportunity to be fully qualified as per the training package.  1. Question: this is to fully qualify individuals on the CUAS system and not on the Blue List drones. Is this a correct assumption?  2. Please confirm that all operator manuals and training programs can be delivered in English, with the Government of Canada being given the authority to translate documents as required.	1. The Class 1 UAS targets are part of the training package used to qualify individuals on the CUAS systems.  2. As per Para 4.9.2. and 6.8. the operator manuals and training programs must be delivered in English, with the Government of Canada being given the authority to translate documents as required.
044	Annex A Appendix 3, point 1.2.4.  Given that there are commercial drones operating at 5.2 Ghz in addition to drones in Eastern Europe operating in the 4 Ghz range would the government prefer a system where the RF coverage is adjustable by software / library updates as opposed to hardware modifications?	Both options will be acceptable
045	Annex A Appendix 3, point 1.2.5.  Given that protocol manipulation effectivity is highly dependent on FW variants which are routinely changing. Would the Government consider solutions for the FSS that leverage mitigation technologies described for DDS and DODS missions (e.g., RF jamming, GPS jamming)?	Canada is not considering any other soft kill solution for the FSS capability other than the protocol manipulation.
046	Annex A Appendix 3, points 1.2.11, 1.2.13. and 1.2.16.  Mission-relevant detection and tracking algorithms cannot generally be defined by user-editable parameters. To provide consistent long-range detection performance for RF signatures, advanced signal-processing expertise is required to efficiently develop techniques that minimize false detection and maximize detection performance. This general assertion is supported by the requirements specified in this solicitation that provide for up to 1 year to add additional detection capabilities for signatures outside of those listed in Table 2/3 under Section 3.2.2.	Canada can accept TRL-9 solutions, but can not remove any requirements from the Annex A Appendix 3.

	Would the Government consider TRL-9 solutions that currently provide robust detection and tracking capabilities for CLASS 1 UAS described in FSS 1.2.11, 1.2.12, as well as some MOTS CLASS 1 UAS described in table 3 that are: updated periodically by the OEM, enable users to enable and disable detection techniques, but lack the ability for detection techniques to be defined by or editable by operators or end-users?	
047	Annex A Appendix 3 point 1.2.25.  Given the austere conditions the FSS is expected to operate in would the government consider a military standard that addresses a broad range of environmental factors rather than just water intrusion as specified by IP67. For example would a FSS solution that meets Mil std 810G be acceptable.	No, certification to IP67 or higher is the mandatory requirement.
048	Would the government consider solutions that provide IP67 interfaces for all I/O and can provide sustained performance in inclement weather environments. However cannot meet the 1-meter submersion for 30 minutes required by IP67.	All components of the FSS must meet IP67 requirement including the 1-meter submersion for 30 minutes.
049	Annex A Appendix 3 points 1.2.42., 1.2.43., 1.2.44. & 1.2.45.  Mission-relevant detection and tracking algorithms cannot generally be defined by user-editable parameters. To provide consistent long-range detection performance for RF signatures, advanced signal-processing expertise is required to efficiently develop techniques that minimize false detection and maximize detection performance. This general assertion is supported by the requirements specified in this solicitation that provide for up to 1 year to add additional detection capabilities for signatures outside of those listed in Table 2/3 under Section 3.2.2.  Would the Government consider TRL-9 solutions that currently provide robust detection and tracking capabilities for CLASS 1 UAS described in FSS 1.2.11, 1.2.12, as well as some MOTS CLASS 1 UAS described in table 3 that are: updated periodically by the OEM, enable users to enable and disable detection techniques, but lack the ability for detection techniques to be defined by or editable by operators or end-users?	Canada can accept TRL-9 solutions, but can not remove any requirements from the Annex A Appendix 3.
050	Annex A Appendix 3 point 1.2.9.  Is geo-location through demo acceptable?	No demonstration is required during the bid and evaluation process, a detailed description from the supplier that the requirement is met will be suffice.
051	Annex A Appendix 3 point 1.2.21.  Could you please clarify what is meant / define immediate vicinity?	Immediate vicinity means: in the area that is close (10-100 meters) to the high-powered D-Band, E-Band, I-Band, K-Band, Air Traffic Control and Air Surveillance.

\*\*\*\*\* All other terms and conditions remain the same \*\*\*\*\*