



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Darren Langdon

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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

Title - Sujet Counter UAS Request for Information Counter UAS Urgent Operational Requirement (UOR) Request for Information	
Solicitation No. - N° de l'invitation W8476-236684/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client W8476-236684	Date 2023-03-06
GETS Reference No. - N° de référence de SEAG PW-\$\$BM-036-28974	
File No. - N° de dossier 036bm.W8476-236684	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Daylight Saving Time EDT on - le 2023-03-24 Heure Avancée de l'Est HAE	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Langdon (bm div), Darren	Buyer Id - Id de l'acheteur 036bm
Telephone No. - N° de téléphone (819) 639-3772 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	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

Amendment 001 is hereby raised to adjust administrative issues and answer questions received.

1. Administrative corrections

At section 2. Requirement

DELETE: Section 2 Requirement in its entirety
INSERT:

2. Requirement.

2.1. The CUAS UOR intends to deliver several components:

- a) Dismounted directional System including a Radio Frequency (RF) Jammer;
- b) Dismounted omni-directional system including a RF detector, RF Jammer and Global Navigation Satellite Systems (GNSS) Jammer;
- c) Fixed Site System including a Command and Control (C2) system, RF detector, ability to conduct protocol manipulation; and
- d) Integrated Vehicle Mounted System including a C² system, Radar, Electro-Optical/Infra-Red (EO/IR) camera, RF jammer and GNSS jammer.

2.2. The CAF has an urgent operational requirement (UOR) for an integrated and mobile Counter Uncrewed Aircraft System (CUAS) system to defeat Class 1 Uncrewed Aircraft System (UAS) threats and to ensure freedom of action for operations in the land domain for forces deployed on operations.

2.3. The CUAS capability will be deployed primarily to Canadian Army (CA) elements. These elements, based on a battalion of mechanized infantry, will tactically deploy CUAS systems throughout their Area of Operation (AO) to mitigate Class 1 UAS. A CUAS will defend these elements first by detecting, identifying, and tracking the UAS through a mixture of sensors (e.g. Electronic Warfare (EW), radars, and optics). Once their target is identified, the CUAS capability will degrade or defeat the enemy UAS with a soft-kill (EW) capability.

2.4. A separate Request for Information (RFI) for the Integrated Vehicle Mounted System will be released on its own.

At section 8. Attached Documents:

DELETE: Appendix 5 - Project Information Sheet
INSERT: Appendix 4 - Project Information Sheet

At Appendix Appendix 5 - Project Information Sheet:

DELETE: Appendix 5 in its entirety
INSERT: Appendix 4 included herein

2. Questions and Answers

No.	Question	Response
1.	Will ITB / VP policy apply to the procurement of the Dismounted and Fixed Site solutions?	The current plan is that the ITB / VP policy will NOT be applied to any Request for Proposal for the Dismounted solutions.

No.	Question	Response
2.	Will Bidders be required to be compliant on all 3 solutions (Dismounted Directional, Dismounted Omni-Directional AND Fixed Site System) to win a contract for CUAS?	No. The intent is that Bidders will be able to submit proposals for either of the 3 individually or multiple requirements should they choose. The anticipated Request for Proposal may result in up to 3 individual Contractors.
3.	Is Canada now only seeking dismounted CUAS solutions?	There will be a separate Request for Information released to seek information on the Mounted solution.

***** All other terms and conditions remain unchanged *****

Appendix 4 - Project Information Sheet

COUNTER UAS UOR

PROBABLE SCOPE

- Approximately 30-40 x Soldier Carried Directional Effectors
 - RF Jamming & GNSS Jamming capability
- Approximately 35-45 x Soldier Carried Omni-Directional Sense and Effector Systems
 - RF Detection with RF/GNSS Jamming
- Approximately 5-10 x Fixed Site Systems / Airfield Systems
 - RF Detection with Protocol Manipulation (hijacking) capability
- Approximately 10 x Integrated Vehicle Mounted Systems
 - Sensors - Radar, EO/IR Camera, RF Detection and/or Direction Finding
 - Effector - RF Jamming, GNSS Jamming
 - Sensor and Effector to be integrated into wheeled vehicle capable of carrying up to four personnel (K2/MT Protection IAW STANAG 4569)
 - CAF is also considering integrating the mounted C-UAS system into the TAPV
- Tools, Spare Parts
- In-Service Support
- Training (Operator and Maintenance)

Anticipated Timeline

RFI – January 2023
RFP #1 (Dismounted and Fixed Site Systems) – March 2023
RFP #2 (Integrated Vehicle Mounted System) – July 2023

Contract Award #1 (Dismounted Directional) – October 2023
Contract Award #2 (Dismounted Omni-Directional) – October 2023
Contract Award #3 (Fixed Site System) – October 2023
Contract Award #4 (Vehicle Mounted System) – April 2024

PROBABLE HIGH LEVEL MANDATORY

REQUIREMENTS

- Interoperability (C2 integration for vehicle mounted systems)
- Awareness (Detect, Identify and Track UAS)
- Lethality (Defeat & Degrade C-UAS through electronic warfare)
- Mobility (Vehicle to have same or better tactical mobility than CA in-service vehicles)
- Urgency, Availability and Sustainment (Delivered rapidly to achieve IOC as quickly as possible)
- Training (Capable of simulated training)

PROBABLE CONSTRAINTS

- Must deliver the capability as rapidly as possible to the deployed force
- Systems must be Technological Readiness Level 8 or 9 (preferred).
- Capability should be in-service with an allied nation to minimize operational and technical risk

