



National Defence
National Defence
Headquarters
Ottawa, Ontario
K1A 0K2

Défense nationale
Quartier général de Défense
Ottawa (Ontario)
K1A 0K2

**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

Bid Receiving – PWGSC
Réception des soumissions - TPSGC

SPECIAL INSTRUCTIONS
Bid receiving unit will be closed to receive the Public during COVID 19.

Bidders must submit their bid electronically through either:

Epost Connect
Fax: (819) 997-9776

REQUEST FOR PROPOSAL

DEMANDE DE PROPOSITION

Proposal: We hereby offer to sell to the Department of National Defence, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods listed herein and on any attached sheets at the price(s) set out therefor.

Proposition: Nous offrons par la présente de vendre au ministère de la défense Nationale, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens énumérés sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments – Commentaires

Title/Titre Cellular Airborne Sensor for Search and Rescue (CASSAR) Procurement	
Solicitation No – N° de l'invitation W8485-216254/DAP4/A	Date 09 January 2021
Solicitation Closes - L'invitation prend fin at - à 14h00 on - le 26 January 2021	Time Zone Fuseau horaire EST
Address Enquiries to – Adresser toutes questions à :	
Department of National Defence National Defence Headquarters MGen George R Pearkes Bldg 101 Colonel By Drive Ottawa, ON K1A 0K2	Ministere de la Defense Nationale Quartier-General de la Defense Nationale Edifice Mgen George R Pearkes 101 Promenade du Colonel By Ottawa, ON K1A 0K2
Name : Jessica Lepinski Attn: Directorate Aerospace Procurement (DAP) 4-2-7 Jessica.lepinski@forces.gc.ca	
Destination of Goods and Services – Destination des biens et services :	
19 OSS SAR Plans, 19 Wing Comox, P.O. Box 1000, Stn Main, Lazo, BC V0R 2K0.	
Instructions / Instructions: Municipal taxes are not applicable. Unless otherwise specified herein all prices quoted must include all applicable Canadian customs duties, GST/HST, excise taxes and are to be delivered Delivery Duty Paid including all delivery charges to destination(s) as indicated. The amount of the Goods and Services Tax/Harmonized Sales Tax is to be shown as a separate item.	
Instructions: Les taxes municipales ne s'appliquent pas. Sauf indication contraire, les prix indiqués doivent comprendre les droits de douane canadiens, la TPS/TVH et la taxe d'accise. Les biens doivent être livrés « rendu droits acquittés », tous frais de livraison compris, à la ou aux destinations indiquées. Le montant de la taxe sur les produits et services/taxe de vente harmonisée doit être indiqué séparément.	
Vendor/Firm Name and Address - Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - no de téléphone: _____	
Delivery required / Livraison exigée: 10 weeks after contract award	
Delivery offered / Livraison proposée:	
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 caractère d'imprimerie)	
Name/Nom _____	
Title/Titre _____	
Signature _____	Date _____

Amendment one (001)

Amendment 001 is raised to:

- A. Amend RFP Table of Contents section 2.6, Canadian Content Certification;
- B. Amend RFP, Annex A: Statement of Work, Deliverables, section 4.1 CASSAR system;
- C. Amend RFP, Annex A: Statement of Work, Appendix 1, Section 3.0, Optional Technical Specifications;
- D. Provide a response to a Bidder question.

PART A:

The RFP Table of Contents is amended to remove reference to 2.6 Canadian Content Certification located in Part 2 - Bidders Instructions on Page 2 of 50 in the RFP.

The Canadian Content Policy is applied openly to this procurement, therefore no certification requirements are required.

Delete:

PART 2 - BIDDER INSTRUCTIONS

.....6

- 2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS 6
- 2.2 SUBMISSION OF BIDS 6
- 2.3 ENQUIRIES - BID SOLICITATION 7
- 2.4 APPLICABLE LAWS 7
- 2.5 BID CHALLENGE AND RECOURSE MECHANISMS 7
- 2.6 CANADIAN CONTENT CERTIFICATION **ERROR! BOOKMARK NOT DEFINED.**

Insert:

PART 2 - BIDDER INSTRUCTIONS **ERROR! BOOKMARK NOT DEFINED.**

- 2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS **ERROR! BOOKMARK NOT DEFINED.**
- 2.2 SUBMISSION OF BIDS **ERROR! BOOKMARK NOT DEFINED.**
- 2.3 ENQUIRIES - BID SOLICITATION **ERROR! BOOKMARK NOT DEFINED.**
- 2.4 APPLICABLE LAWS **ERROR! BOOKMARK NOT DEFINED.**
- 2.5 BID CHALLENGE AND RECOURSE MECHANISMS **ERROR! BOOKMARK NOT DEFINED.**

PART B:

The following amendment is applied to RFP, Annex A: Statement of Work, Deliverables, Section 4.1 CASSAR system on page 25 of 50;

Delete:

4.1 CASSAR System

The Contractor must provide a minimum of five and up to eight operational CASSAR systems meeting all mandatory technical specifications and as many optional technical specifications as possible, as listed in Appendix 1.

The Contractor must also supply the system's User Manual, Initial Training Package, Installation Instructions, Maintenance and Parts Handbook, and Preservation, Storage, and Handling Instructions, all in electronic format.

The Contractor must provide all associated hardware complete with the operability and design requirements outlined in Appendix 1.

Insert:

4.1 CASSAR System

The Contractor must provide a minimum of five and up to eight operational CASSAR systems meeting all mandatory technical specifications and as many optional technical specifications as possible, as listed in this SOW and related appendices.

The Contractor must also supply the system's User Manual, Initial Training Package, Installation Instructions, Maintenance and Parts Handbook, and Preservation, Storage, and Handling Instructions, all in electronic format.

The Contractor must provide all associated hardware complete with the operability and design requirements outlined in this SOW and related appendices.

PART C:

The following amendment is applied to the RFP Annex A: Statement of Work, Appendix 1, Section 3.0 Optional Technical Specifications on page 28 of 50.

Delete

The CASSAR systems ~~may~~ should be capable of the following optional technical specifications:

Insert:

The CASSAR systems should be capable of the following optional technical specifications:

PART D:

The following bidder question has been provided a response by the Technical Authority (TA) for the CASSAR system:

Question:

"The posted RFP doesn't seem to make any mention of how the detected cell phone information is communicated to the system operator.

Does the CASSAR system require an operator display? If yes, please detail the display requirements for system and detected information to be available to the operator. Please detail the GIS requirements within the display to consider 3 dimensional terrain and line-of-sight considerations. If no, please detail the requirements to interface to the aircraft display systems."

Answer from TA:

An operator display will be required as part of the CASSAR system as per Annex A, Statement of Work, section 1.6 which states: "A CASSAR system is defined as all of the hardware (ex: LRU, protective case, antennas, cabling, computer, etc) that is required for full operation of the CASSAR."

The CASSAR system provided must include any required operator display (through laptop computer or other means) and must not require interface with the aircraft display system. The operator interface and display must allow for use of all the CASSAR system functionalities, as required in the Statement of Work and allow the operator to properly convey accurate geo-location information provided by the CASSAR to the other crew members.

The following sections in Annex A, Appendix 1 Mandatory Specifications and Optional Requirements to the CASSAR System, to the Statement of Work are supportive to the above response:

Mandatory Technical Specifications sections:

2.1 The system must be capable of **detecting and locating** a fully-functional cell phone, when the cell phone is not in contact with a commercial cellular network, at a minimum **line of sight range of 20 kilometers from the aircraft when the aircraft is an altitude between 3000 to 10000 feet above ground;**

2.6 The system must be capable of **geo-locating** a cellular "phone of interest" which is not connected to a commercial cellular network regardless of whether or not Global Positioning System (GPS) data is available from the cell phone.

Optional Technical Specifications sections:

3.3 The system should be capable of **detecting and tracking multiple target cell phones** (potentially for use in communicating to Ground Search and Rescue (GSAR) parties as well as the "phone of interest");

3.4.2 The system should be able to provide a **mass-mapping capability** of cell phone locations in an area with no cellular infrastructure.

And;

Mandatory Design Specifications sections:

4.2 The system must have a system **currently in use for Search and Rescue purposes** on an aircraft within a NATO allied air force or a Five Eyes (FVEY) partner;

4.3 The system **must be stand-alone** and the internal antenna(s) must operate through the aircraft windows **without external modifications to the RCAF Primary Air Vehicles (PAV)** on which the equipment will be used;