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T5J 1S6
Bid Fax: (780) 497-3510

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
Public Works and Government Services Canada
ATB Place North Tower
10025 Jasper Ave./10025 ave Jasper
5th floor/5e étage
Edmonton
Alberta
T5J 1S6

Title - Sujet 3D Radar System	
Solicitation No. - N° de l'invitation W7702-196175/B	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client W7702-196175	Date 2019-04-29
GETS Reference No. - N° de référence de SEAG PW-\$EDM-024-11604	
File No. - N° de dossier CAL-8-41207 (140)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-05-10	Time Zone Fuseau horaire Mountain Daylight Saving Time MDT
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Saboungi, Rana	Buyer Id - Id de l'acheteur cal140
Telephone No. - N° de téléphone (403) 680-8394 ()	FAX No. - N° de FAX (780) 497-3510
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

This amendment is being raised to answer the following questions for solicitation W7702-196175/B:

1. Questions and Answers

Question 1

Item# A.1 – Radar Technology: “System must be a software-defined radar, allowing different operational profiles for upload to hardware.” Uploading to “hardware” is not clear. Further clarification is requested regarding this requirement.

Answer 1

Hardware refers to the radar system proper – that which transmits and receives the RF waves. This hardware/radar system is (presumably) controlled by a laptop computer that both displays data and allows the radar settings to be changed. A collection of such settings, or an *operational profile*, can be uploaded via this controlling laptop to the radar system.

Question 2

Item# A.8 – Accuracy: “False alarm rate of no more than 5% for an object with an RCS of 0.1m² at a distance of 1km”. False alarm rate has various methods of being interpreted and calculated: further clarification is requested as to what the false alarm requirement involves.

Answer 2

Complete requirement reads “Accuracy: The radar must have a single-scan probability of detection of 90% and a false-alarm rate of no more than 5% for an object with an RCS of 0.1m² at a distance of 1km.” In ideal, uncluttered terrain without targets or jamming, the radar will have false alarm rate (FAR) no greater than 5% attributable to thermal/other noise or system malfunction, calculated by the number of false targets observed per RF pulse repetition time (false targets found during a single RF pulse), all divided by the number of range cells scanned in the pulse repetition time as per the below.

$$\text{False Alarm Rate [\%]} = 100 \left[\frac{(\text{false targets found} / \text{pulse repetition time})}{\text{total number of cells scanned during the pulse repetition time}} \right]$$

Question 3

Annex A, 2.1. Deliverables: The proposed system consists of three (3) each radar and tripod. We are using three radars to achieve 120 ° azimuth x 100 ° elevation field of view. The system comes in 3x ruggedized transit cases. If the multiple transit cases are a problem for the end user, we can slightly customize the product to use one larger tripod supporting 3 radars, in one larger transit case. Please confirm which one is preferred.

Answer 3

For the above, three separate cases are not an issue and we would accept them.

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME AND IN FULL EFFECT.