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TPSGC
11 Laurier St. / 11, rue Laurier
Place du Portage , Phase III
Core 0A1 / Noyau 0A1
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
Electronics, Simulators and Defence Systems Div.
/Division des systèmes électroniques et des systèmes de
simulation et de défense
11 Laurier St. / 11, rue Laurier
8C2, Place du Portage
Gatineau
Québec
K1A 0S5

Title - Sujet MODIFIED MARINE RADAR (BIRD TRACK.)		
Solicitation No. - N° de l'invitation K2A50-130002/A		Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client K2A50-130002		Date 2013-10-23
GETS Reference No. - N° de référence de SEAG PW-\$\$QF-091-24039		
File No. - N° de dossier 091qf.K2A50-130002	CCC No./N° CCC - FMS No./N° VME	
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-11-01		Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
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: Podlesny, Sebastian		Buyer Id - Id de l'acheteur 091qf
Telephone No. - N° de téléphone (819) 956-0077 ()		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 002

The purpose of this amendment is to respond to bidder questions:

Q4. Paragraph 4.3.2.3 Power: Pulse power must be at least 12.5 kw nominal:

Q4a. Is this the absolute minimum power requirement? Most marine radars come in 10 kw, 12 kw or 25 kw and not 12.5 kw.

A4a. Yes, 12.5 kW is the absolute minimum power requirement.

Q4b. Is a 12 kw transceiver an acceptable transceiver for this application?

A4b. The transceiver must be at least 12.5 kW.

Q4c. Is a 10 kw transceiver acceptable for this application? The cost of a 25 kw transceiver increases the price, weight, powers consumption and other aspects of the complete system.

A4c. No, a 10 kW transceiver is not acceptable for this application.

Q5. Paragraph 4.3.3 Enclosure: It is essential that the transceiver be housed and weatherproofed so that it can operate outdoors in all types of weather (i.e., precipitation, winds of up to 80km/h, and over a temperature range of -30 to +40 degrees Celsius).

Is the - 30 to + 40 degrees Celsius and absolute requirement? Most marine radar are designed to operate over a temperature range of - 25 to + 70 degrees C.

A5. Yes, -30 degrees Celsius, conditions which are not uncommon in eastern and northern Ontario during the winter, is an absolute requirement.

Q6. Paragraph 4.4.2 Digitizer, consisting of the following:

This unit must digitize the radar "video" (logarithm of total returned power) signal into a form suitable for processing by software. The data can be returned one sweep at a time, or in smaller chunks, and must either be gated (i.e., data for a fixed number of pulses per sweep is returned, and the pulses are chosen to be uniformly spaced in the sweep surface, taking into account possible variation in rotation speed due to wind torque etc.) or must be accompanied by a table of azimuth angles at which the pulses were transmitted, to a precision of 0.1 degrees or less. The digitizer must be capable of returning (at least) 512 eight bit samples for 4096 pulses per sweep, sampling at 30Mhz or more, from a radar operating at a PRF of up to 2100Hz. At least 3 sampling rates corresponding to cell sizes of 5m, 10m, and 15m, with a total range coverage of 2.5km, 5.1km, and 7.7km, respectively, must be available.

Q6a. Can you provide more detail on the meaning This unit must digitize the radar "video" (logarithm of total returned power) signal into a form suitable for processing by software?

A6a. The radar video signal must be converted into a form (i.e., numbers / values) that can be analyzed by software.

Q6b.

- 27 MHz: 5.550 meters
- 54 MHz: 2.775 meters

Solicitation No. - N° de l'invitation

K2A50-130002/A

Amd. No. - N° de la modif.

002

Buyer ID - Id de l'acheteur

091qf

Client Ref. No. - N° de réf. du client

K2A50-130002

File No. - N° du dossier

091qfK2A50-130002

CCC No./N° CCC - FMS No/ N° VME

- 100 MHz: 1.499 meters

Are the above cell sizes acceptable?

A6b. Yes, these are fine so long as the system can digitize and transfer data sustainably at a combination of parameters (e.g. 54 MHz at 1000 samples per pulse at pulse rates of at least 1800 Hz in at least 8 bit depth).