

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

**Bid Receiving
PWGSC
33 City Centre Drive
Suite 480C
Mississauga
Ontario
L5B 2N5
Bid Fax: (905) 615-2095**

**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
THIS DOCUMENT CONTAINS SECURITY
REQUIRMENTS.

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
Ontario Region
33 City Centre Drive
Suite 480
Mississauga
Ontario
L5B 2N5

Title - Sujet Weather Radar Replacement Solution	
Solicitation No. - N° de l'invitation K3D33-141144/B	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client K3D33-141144	Date 2015-06-23
GETS Reference No. - N° de référence de SEAG PW-\$TOR-018-6873	
File No. - N° de dossier TOR-4-37044 (018)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-08-31	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Pan, Long	Buyer Id - Id de l'acheteur tor018
Telephone No. - N° de téléphone (905) 615-2076 ()	FAX No. - N° de FAX (905) 615-2023
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

THE SOLICITATION AMENDMENT No. 002 IS RAISED TO MODIFY THE BID SOLICITATION AND ANSWER QUESTIONS FROM THE INDUSTRY.

Modification # 001

Reference:

Attachment 2 – Mandatory Evaluation Criteria

Modification #001:

The Mandatory Requirement description of M13 listed in Attachment 2 is hereby deleted in its entirety and replaced with the following:

The radar system must have an extended Nyquist velocity range of 48 m/s (using a 4:3 dual-PRF technique) out to a range 240 km.

Dual-PRF error rates must be less than 4.6% (see Joe et al, 1998 or Joe and May, 2004 for an explanation of this calculation).

QUESTIONS AND ANSWERS

Question # 003

Reference:

Appendix A to Annex A - SOW; Attachment 2 – Mandatory Evaluation Criteria

Question #003:

(a) Reference 1: Appendix A – Annex A – Section 2.1.1 – Number 8 (p.26 of Appendix A) states: The Radar system must have an extended Nyquist velocity range of 48 m/s, using a 4:3 dual-PRF technique, out to a range of 240 km. Dual-PRF error rates must be less than 4.6% (see Joe et al, 1998 or Joe and May, 2004 for an explanation of this calculation).

Reference 2: Attachment 2 (Mandatory Evaluation Criteria) – Section 1.2 – Item M13 states: The radar system must have an extended Nyquist velocity range of 48 m/s (using a dual-PRF technique) out to a range 240 km. Dual-PRF error rates must be less than 4.6% (see Joe et al, 1998 or Joe and May, 2004 for an explanation of this calculation).

Reference 1 above explicitly defines that a 4:3 dual-PRF technique must be used to achieve the required velocity range of 48 m/s over the given distance of 240 km. Reference 2 above defines only a “dual-PRF technique” to achieve the required velocity range of 48 m/s over the given distance of 240 km.

Meaning that Reference 2 should also explicitly state “using a 4:3 dual-PRF technique”. Could you please confirm our understanding is correct?

(b) Reference: Attachment 2 – Mandatory Evaluation Criteria – Section 1.2 – Item M13: Do we understand correctly that the radar system must have an extended Nyquist velocity range of 48 m/s using a dual-PRF technique with an error rate of less than 4.6% out to a maximum range of the first trip of 240 km?” Or in other words: trip recovery techniques shall not be considered in order to extend the range up to 240km?

Answer #003:

- (a) Please refer to Modification No. 001 to the bid solicitation.
 (b) Yes. The understanding of the requirement is correct.

Question # 004

Reference:

Appendix A to Annex A - SOW; Attachment 3 – Point-Rated Evaluation Criteria

Question #004:

Reference 1: Appendix A – Annex A – Section 2.1.1 – Number 16 (p.27 of Appendix A) states: Ground clutter suppression must be performed using spectral processing. Reference 2: Attachment 2 (Mandatory Evaluation Criteria) – Section 1.2 – Item M19 states: The radar filtering must be capable of clutter suppression of at least 50 dB.

Reference 3: Attachment 3 (Point-Rated Evaluation Criteria) – Section 2.2 – Item 27 states: The proposed Radar system will be awarded extra points if it can provide the following functionality for ground clutter suppression:

- Pulse Pair;
- Gaussian Model Adaptive Processing (GMAP); or
- Clutter Mitigation and Detection (CMD)

We assume that spectral processing as per Reference 1 serves as basic condition to be met with Reference 2 and GMAP requested in Reference 3. Is this correct?

Answer #004:

Yes.

Solicitation No. - N° de l'invitation

K3D33-141144/B

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

K3D33-141144

Amd. No. - N° de la modif.

002

File No. - N° du dossier

TOR-4-37044

Buyer ID - Id de l'acheteur

tor018

CCC No./N° CCC - FMS No/ N° VME

Question # 005

Reference:

Annex A - SOW

Question #005:

Annex A - SOW, 2.0 Technical Statement of Mandatory Requirements, paragraph 2.1.1 item 18 states: "...The system must allow the user must to request uncorrected or corrected data, the difference, or all..."

We do not understand the meaning of this statement with respect to corrected and uncorrected data. Does it mean in operating mode A the system must provide both corrected and uncorrected data simultaneously, in operating mode B the system must supply the difference between corrected and uncorrected data, in operating mode C the system must provide the corrected, uncorrected and the difference?

Answer #005:

There is only one operating mode. Canada intends to have the ability to configure the system to record the raw moments (e.g. before ground clutter filtering, attenuation correction, median filtering for radial velocity, smoothing of differential phase and any other processing) and the processed moments (after ground clutter filtering, attenuation correction, median filtering for radial velocity, smoothing of differential phase and any other processing) for all parameters and at the same time.

ALL OTHER TERMS AND CONDITIONS OF THE BID SOLICITATION REMAIN UNCHANGED