



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Réception des soumissions - TPSGC / Bid Receiving
- PWGSC
1550, Avenue d'Estimauville
1550, D'Estimauville Avenue
Québec
Québec
G1J 0C7

**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
TPSGC/PWGSC
601-1550, Avenue d'Estimauville
Québec
Québec
G1J 0C7

Title - Sujet MWIR CAMERA	
Solicitation No. - N° de l'invitation W7701-166117/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client W7701-166117	Date 2015-11-18
GETS Reference No. - N° de référence de SEAG PW-\$QCN-016-16572	
File No. - N° de dossier QCN-5-38190 (016)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-12-09	
Time Zone Fuseau horaire Heure Normale du l'Est HNE	
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: Carrier, Bertrand	Buyer Id - Id de l'acheteur qcn016
Telephone No. - N° de téléphone (418) 649-2774 ()	FAX No. - N° de FAX (418) 648-2209
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 to our solicitation, in order to:

- A. to modify the solicitation posting period
- B. to amend the solicitation
- C. answer to some questions from the industry

A. The solicitation closing date is change for December 9, 2016; 02:00PM.

B. The following amendments are made to the solicitation:

(Please note that all locations in the solicitation indicating the FLIR brand, "or equivalent" should be added.)

- **PART 2, delete the actual article 2.1.1**
- **Insert the following article:**

2.1.1.1 SACC Manual Clauses

SACC Reference	Section	Date
B1000T	Condition of Material - Bid	2014-06-26
B3000T	Equivalent products	2006-06-16

- **PART 4, delete the actual article 4.1.1**
- **Insert the following article:**

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

The bid must meet the mandatory technical criteria specified below. Bidders must provide the necessary documentation to support compliance with this requirement.

A. Midwave Infrared camera

Brand: FLIR or equivalent
Model: SC6102 or equivalent
Part Number: 27011-202

B. Lens 200mm

Brand: FLIR or equivalent
Part Number: 4110813

Bids which fail to meet the mandatory technical criteria will be declared non-responsive. Each mandatory technical criterion should be addressed separately in the following TABLE A.

TABLE A				
	Mandatory Technical Criteria	Value	COMPLIANT	Reference to additional Substantiating Materials included in Bid
1	Spectral range Cut-on Cut-off	Smaller than or equal to 1.5 µm Larger than or equal to 5.0 µm		
2	Resolution Horizontal Vertical	Larger than or equal to 640 Larger than or equal to 512		
3	Detector pitch	25 µm		
4	NETD	Less than 20 mK		
5	Measurable temperature range Minimum Maximum	Smaller than or equal to -20 °C Larger than or equal to 350 °C		
6	Frame rate (full window) Minimum Maximum	Programmable Smaller than 0.002 Hz Larger than 120 Hz		
7	Integration time Minimum Maximum	Programmable Smaller or equal to 10 µsec Larger or equal to 500 msec		
8	Sub-window mode	User defined		
9	AD dynamic range	14 bits		
10	Digital data streaming	Gigabit Ethernet, Camera Link (Simultaneous)		
11	Analog video output	NTSC, S-Video and SVGA		
12	Control link	Via USB, RS-232, Gigabit Ethernet and Camera Link		
13	Synchronizations modes	Sync In, Sync Out, Genlock, IRIG-B		
14	Lens compatibility	Must be compatible with FLIR SC6000 Series Infrared Camera Optics (Fixture and back focal length)		

- PART 6, delete the actual article 6.4
- Insert the actual article 6.4:

6.4 Term of Contract

6.4.1 Period of the Contract

The contract period is from the date of contract award until the date of warranty expiration, inclusively.

6.4.2 Delivery Date

The contractor must have completed the delivery on or before March 31, 2016.

Solicitation No. - N° de l'invitation
W7701-166117/A
Client Ref. No. - N° de réf. du client
W7701-166117

Amd. No. - N° de la modif.
001
File No. - N° du dossier
QCN-5-38190

Buyer ID - Id de l'acheteur
qcn016
CCC No./N° CCC - FMS No./N° VME

QUESTION #1 :

Why is it required to deliver a camera with a pixel size of 25µm? Is a different pixel size would be acceptable if the other requirements are not affected?

ANSWER #1 :

The pixel size associated with the number of pixels makes it possible to have compatible field of view, with some operations. It is mainly this criterion which guides our choice.

QUESTION #2 :

Is there a reason behind the required minimum image rate of <0002 Hz? Is it necessary?

ANSWER #2 :

The low-rate is used for measurements of phenomena over a long period (i.e.: 24h.).

QUESTION #3 :

Is there a reason behind the required maximum integration time of > 500 sec? Is it necessary? The infrared camera saturates normally before an integration time of 500s, making such a condition of operation unusable.

ANSWER #3 :

You are right. The criterion should read: > 500 msec.

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME.