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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  
Electrical & Electronics Products Division  
11 Laurier St./11, rue Laurier  
6B1, Place du Portage, Phase III  
Gatineau, Québec K1A 0S5

<b>Title - Sujet</b> CCTV EQUIPMENT AND SYSTEMS ...	
<b>Solicitation No. - N° de l'invitation</b> 21120-125470/A	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> 21120-125470	<b>Date</b> 2012-03-28
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$HN-313-59401	
<b>File No. - N° de dossier</b> hn313.21120-125470	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2012-05-31</b>	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Kelly, Ruth	<b>Buyer Id - Id de l'acheteur</b> hn313
<b>Telephone No. - N° de téléphone</b> (819) 956-3588 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

Instructions: See Herein

Instructions: Voir aux présentes

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

Solicitation No. - N° de l'invitation

21120-125470/A

Amd. No. - N° de la modif.

001

Buyer ID - Id de l'acheteur

hn313

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

21120-125470

File No. - N° du dossier

hn31321120-125470

CCC No./N° CCC - FMS No/ N° VME

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Un document en français est disponible sur demande.

**Correctional Service Canada  
Technical Services Branch  
Electronics Systems**

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**ES/STD-0205  
Revision 1  
November 2001**

**ELECTRONICS ENGINEERING  
STANDARDS**

**OUTDOOR ENCLOSURE  
CLOSED CIRCUIT TELEVISION**

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**Prepared by:**

**Manager,  
Electronics Systems Research**

**Approved by:**

**Director,  
Engineering Service**

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## 1.0 SCOPE

This standard defines the requirements of Correctional Service Canada (CSC) for outdoor Closed Circuit Television (CCTV) camera enclosures for outdoor use at federal correctional institutions.

## 2.0 GENERAL

The weatherproof, tamper proof outdoor enclosure is used in Perimeter Intrusion Detection Systems (PIDS) and outdoor security surveillance and assessment applications. The enclosure is located on perimeter camera towers or mounted on building roof tops or walls. With the enclosure being mounted in "difficult to access" locations, reliability and ease of maintenance are essential. The enclosure shall consist of the following:

- 2.1 A thermostat control blower;
- 2.2 A thermostat control built-in heater;
- 2.3 A remote controlled wiper;
- 2.4 A thermostat control defroster; and
- 2.5 A sun shield.

## 3.0 ENVIRONMENTAL REQUIREMENTS

The outdoor enclosure shall operate over the following conditions:

- 3.1 Temperature:  $-40^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ ;
- 3.2 Humidity: 0 to 100%, condensing; and
- 3.3 Precipitation: rain, snow, hail to 2.5 cm diameter.

## 4.0 POWER REQUIREMENTS

The enclosure shall use VAC power within the following limits:

- 4.1 Voltage: 120 VAC  $\pm 10\%$ ;
- 4.2 Frequency: 60 Hz  $\pm 1.5\%$ ;
- 4.3 Transients: five times nominal voltage for up to 100 msec durations; and

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- 4.4 Power: power consumption of all enclosure accessories shall not exceed 200 watts (excluding camera and assembly).

## 5.0 MECHANICAL REQUIREMENTS

The external dimensions of the enclosure shall not exceed:

- 5.1 Width: 300 mm;
- 5.2 Height: 300 mm; and
- 5.3 Length: 600 mm.
- 5.4 The window opening shall be a minimum of:  
Width: 125 mm; and  
Height: 125 mm.

## 6.0 DESIGN REQUIREMENTS

The weatherproof enclosure shall have:

- 6.1 an adjustable camera mount with ¼ inch diameter mounting holes. Elevation blocks shall be available for use with cameras with a low optical centerline or use of large diameter lenses.
- 6.2 cable entry holes located at the rear bottom. It is preferred that the entry holes be located on an assembly which is removable from the enclosure.
- 6.3 automatic thermostat controlled built-in heater, cooling fan and defroster.
- 6.4 manually remote controlled window wiper.
- 6.5 a sun shield over the viewing window.
- 6.6 well-designed enclosure mounting bracket to allow ease of installation and enclosure position adjustments.
- 6.7 high quality construction standard and have a life expectancy of at least five years.
- 6.8 a label permanently affixed to the interior of the unit which identifies the manufacturer, the model or assembly number, the serial number and the mains power requirement.

## **7.0 FUNCTIONAL REQUIREMENTS**

The enclosure shall:

- 7.1 maintain an internal temperature of +5° C to +50° C over an outside temperature range as described in paragraph 3.1.
- 7.2 incorporate a remotely controllable window wiper and a thermostatically controlled window defroster, heater and blower.
- 7.3 prevent any ice, snow or condensation build up in front of the window.
- 7.4 be properly filtered to prevent dust, water or insects from entering the enclosure.
- 7.5 provide 10,000 hours or more Mean Time Between Failure (MTBF) and be built for high reliability.
- 7.6 be accessible for ease of maintenance and enclosure position adjustment.

## **8.0 INTERFERENCE**

Performance of the enclosure shall not be affected by the use of standard electronic equipment at the institution. Distance limits of standard electronic equipment are as follows:

- 8.1 CB transceivers at 1 metre or more;
- 8.2 VHF and UHF transceivers at 1 metre or more;
- 8.3 Other radio frequency transmitting, receiving and distribution equipment at 5 metres or more; and
- 8.4 Personal computer and/or computer work stations at 5 metres or more.

## **9.0 SAFETY**

The enclosure shall be CSA approved.