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**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**  
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>Time Zone</b> <b>Fuseau horaire</b> Eastern Daylight Saving Time EDT
<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>

**This amendment is issued to provide additional information as a result of the mandatory site visits.**

**From the Statement of Technical Requirements:**

- **Section 3.2** The contractor shall upgrade the Genetec Application to version 4.7 or newer in Kingston Penitentiary, Millhaven Institution and Grand Valley Institution.
- **Section 3.2** In lieu of the overall condition of the existing enclosures and the observed tearing of the weather deals at several sites since the last audit 3 yrs ago the CSC has determined that it is in the best interests of the CSC to replace all perimeter security camera enclosures within the scope of this project. The provided enclosures will conform to ES/STD-0205 (attached).
- **Section 3.2** Fibre-optic receivers mounted in the CER equipment rack shall be rack mounted in a rack mount chassis designed by the manufacturer of the fibre optic receiver for rack applications.\_
- **Section 4.4** All references to cable colour indicating "BRIGHT RED" shall be changed to "BRIGHT GREEN".
- **Section 4.5** The specification for the camera to be provided are as follows...

**4.5 Cameras**

The environmental, power, mechanical and technical requirements for the fixed cameras are specified in ES/STD-0221. In addition to the specifications outlined in ES/STD-0221 Fixed perimeter CCTV cameras shall also meet the following specifications. Where these additional specifications differ from ES/STD-0221 this STR shall be the reference.

Fixed Network Colour Cameras shall meet or exceed.

- Camera will have a 1/3" CCD or MOS sensor
- Camera will be equipped with an vari-focal lens with a range of at least 7mm(minimum) to 50mm(maximum)
- Camera will be able to produce up to 30 fps in MJPEG @ 640 x 480 resolution
- Camera will have a 9MB pre and post alarm buffer – this requirement is eliminated.

The environmental, mechanical and technical requirements for the fixed/zoom lenses are specified in ES/STD-0204. **The lenses MUST be of the same manufacturer as the fixed cameras or an acceptable equivalent from a recognised manufacturer (AXIS, Bosch, Cosmocar, Fujinon, Panasonic or Sony). Third party lenses are NOT acceptable.**

The environmental, power, mechanical and technical requirements for the P/T/Z cameras are specified in ES/STD-0222.

**Analogue cameras are NOT acceptable for any new installation.**

- **Section 4.7** Clarification – The contractor shall provide 2 NVUS clients into the CER equipment racks with 2 monitors from each NVUS client remotely displayed in the MCCP console replacing the existing analogue MCCP monitors; into each of the 6 sites, except Kingston Pen which is detailed separately below.

· **Section 4.8** Clarification – The contractor shall not be required to expand the UPS associated in the CER of the six site, exceptions relating to Kingston Pen are detailed below.

· **Section 5.3** All copies of the maintenance and operators manuals delivered to CSC REPO and RTO shall be in an electronic format with a tabbed table of contents linked to the content within the manual. The manual electronic shall be in PDF format.

· **Section 5.5 Spares List** – The contractor shall provide the following spares within this contract.\_

Ø Bath Institution

§ 5 CCTV cameras

§ 5 CCTV lenses (4 telephoto, 1 wide angle {vari-focal lenses}) (if there are no wide angle lenses used at the site 5 telephoto lenses will be supplied)

§ 5 PoE injectors

§ 1 Outdoor Camera enclosure complete with wiper, heater and blower assembly (pre-configured for Bath Institution)

§ 1 wiper motor kit, blower assembly and heater kit to match above enclosure

§ 10 wiper blades

§ 4 Fibre-optic transmitters (with power supply)

§ 4 Fibre-optic receivers

Ø Collins Bay Institution

§ 2 CCTV cameras

§ 2 CCTV lenses

§ 2 PoE injectors

§ 1 Outdoor Camera enclosure complete with wiper, heater and blower assembly (pre-configured for Bath Institution)

§ 1 wiper motor kit, blower assembly and heater kit to match above enclosure

§ 5 wiper blades

§ 1 Fibre-optic transmitters (with power supply)

§ 1 Fibre-optic receivers

Ø Grand Valley Institution for Women

§ 3 CCTV PTZ cameras

§ 3 Camera Power supplies

§ 2 Fibre-optic transmitters (with power supply)

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§ 2 Fibre-optic receivers

Ø Joyceville Institution

§ 3 CCTV cameras

§ 3 CCTV lenses

§ 3 PoE injectors

§ 1 Outdoor Camera enclosure complete with wiper, heater and blower assembly (pre-configured for Bath Institution)

§ 1 wiper motor kit, blower assembly and heater kit to match above enclosure

§ 6 wiper blades

§ 1 Fibre-optic transmitters (with power supply)

§ 1 Fibre-optic receivers

Ø Kingston Penitentiary

§ 2 CCTV cameras

§ 2 CCTV lenses

§ 2 PoE injectors

§ 1 Outdoor Camera enclosure complete with wiper, heater and blower assembly (pre-configured for Bath Institution)

§ 1 wiper motor kit, blower assembly and heater kit to match above enclosure

§ 5 wiper blades

§ 1 Fibre-optic transmitters (with power supply)

§ 1 Fibre-optic receivers

Ø Millhaven Institution

§ 3 CCTV cameras

§ 3 CCTV lenses

§ 3 PoE injectors

§ 1 Outdoor Camera enclosure complete with wiper, heater and blower assembly (pre-configured for Bath Institution)

§ 1 wiper motor kit, blower assembly and heater kit to match above enclosure

§ 8 wiper blades

§ 1 Fibre-optic transmitters (with power supply)

§ 1 Fibre-optic receivers

Ø Warkworth Institution

§ 3 CCTV cameras

§ 3 CCTV lenses

§ 3 PoE injectors

§ 1 Outdoor Camera enclosure complete with wiper, heater and blower assembly (pre-configured for Bath Institution)

§ 1 wiper motor kit, blower assembly and heater kit to match above enclosure

§ 8 wiper blades

§ 1 Fibre-optic transmitters (with power supply)

§ 1 Fibre-optic receivers

#### **Site Specific Detail**

Kingston Pen:

- The contractor shall provide 5 rack mount NVUS clients conforming to ES/STD-0228.
  - o 4 NVUS clients are to be mounted into each of the NE, SE, SW, NW towers in the respective equipment cabinets. The contractor shall replace the existing UPS in each cabinet with a rack-mount modular UPS to provide up to 20 minutes run-time for all equipment within the CCTV equipment cabinet.
  - o The 5<sup>th</sup> NVUS client will be installed into existing equipment cabinets in the 2<sup>nd</sup> floor electrical room immediately above the North Gate control post, 2 monitors and a mouse associated with these clients shall be installed into the existing spaces in the equipment consol in the MCCP north gate control post.
- 3 Cameras currently mounted to cat-walk rails (2 at SE tower and 1 at NE tower) shall be relocated to the existing bolts on the inner perimeter wall to reflect the same view and position as the other perimeter cameras.

Grand Valley Institution for Women:

- 4 additional PTZ CCTV cameras shall be provided 18, 21, 24 and XX
  - o Camera 18 on a 12M tilt-down tower as per \*\* in Annex C located immediately east of the new temporary living unit in the center of the compound.
  - o Camera 19 on a 12M tilt-down tower as per \*\* in Annex C located immediately east of the gym doors in the Logia.
  - o Camera 21 on a 9M tilt-down tower as per \* in Annex C to replace the existing rigid CCTV tower beside the north sallyport gate.

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o Camera XX on a 9M tilt-down tower as per \* in Annex C located immediately west of the gym emergency exit beside the temporary kitchen, inside the perimeter fence.

· As per the perimeter site visit cameras #2, 6, 7, 11, 14, 16, 18, 21, 24 & XX shall require a new engineered concrete pedestal for the tower to accommodate the back-swing of the tilting tower assembly.

· Contractor shall include supply and installation of an additional Genetec video Archiver (20 camera capacity) to expand the existing Genetec system and 10 camera licenses to allow the addition of the 4 cameras listed above and an additional 6 new perimeter cameras with the completion of the IFFS building compound. The contractor shall provide and install an additional 24 port layer 3 managed rack-mount network switch to accommodate the additional cameras.

· Map of Grand Valley has been updated.

**SOLICITATION CLOSES:**

**DELETE:** 2012-05-03

**INSERT:** 2012-05-31

**All other terms and conditions of the RFP remain unchanged.**

**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.

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## **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.