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## 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  
L'Esplanade Laurier  
East Tower, 4th floor,  
Ottawa  
Ontario  
K1A 0S5

<b>Title - Sujet</b> Upgrade of CATV System	
<b>Solicitation No. - N° de l'invitation</b> 21120-200076/A	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> 3279646	<b>Date</b> 2019-10-04
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$HN-336-77811	
<b>File No. - N° de dossier</b> hn336.21120-200076	<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 2019-12-03</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 type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Bisson, Phillippe	<b>Buyer Id - Id de l'acheteur</b> hn336
<b>Telephone No. - N° de téléphone</b> (613) 295-8641 ( )	<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  
21120.200076/A  
Client Ref. No. - N° de réf. du client  
21120.200076

Amd. No. - N° de la modif.  
001  
File No. - N° du dossier  
hn336.21120.200076

Buyer ID - Id de l'acheteur  
hn336  
CCC No. /N° CCC - FMS No. /N° VME

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**SOLICITATION AMENDMENT 001 IS RAISED TO INCLUDE ANNEX A –  
STATEMENT OF TECHNICAL REQUIREMENTS (STR) WHICH WAS OMITTED IN  
SOLICITATION DOCUMENTS:**

- SEE ANNEX A BELOW

**\*\* ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED \*\***

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**CORRECTIONAL SERVICES CANADA  
TECHNICAL SERVICES BRANCH  
ELECTRONIC SECURITY SYSTEMS**

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**SCOPE OF WORK  
FOR  
THE UPGRADE OF CATV SYSTEM  
AT  
NOVA INSTITUTION**

**AUTHORITY**

This Scope of work is approved by the Correctional Service for the modification of the existing CATV System. Recommended corrections, additions or deletions should be addressed to the Design Authority at the following address:

Approved by:

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**TABLE OF CONTENTS**

**TABLE OF CONTENTS..... 2**

**1 INTRODUCTION ..... 3**

**1.1 General ..... 3**

**1.2 Scope ..... 3**

**1.3 Requirement/Purpose ..... 3**

**1.4 Background..... 5**

**1.5 Site Visits/Survey..... 5**

**1.6 Technical Acceptability..... 6**

**2 APPLICABLE DOCUMENTS..... 7**

**2.1 Applicability ..... 7**

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## 1 INTRODUCTION

### 1.1 General

- .1 The Correctional Service of Canada (CSC) has a requirement to upgrade the existing CATV System at Nova Institution. The upgrade of the CATV System must consist of; the replacement of 125 - CATV single gang plastic plates and supply 5 feet of cable extension, upgrade all splitters with directional taps, supply and install carbon steel enclosures at all distribution areas, to supply and install a new CATV drop in Bldg. Q, room 106, Bldg. A room 217 and make any recommendations to improve the existing system by removal/upgrading of amplifiers, splitters, etc.

### 1.2 Scope

The contractor must upgrade the existing CATV System at the Nova Institution Multi-Level Security Institution to make a fully functional system for all end users.

1. The CATV system upgrade must consist of;
  - 1.1 The upgrade all splitters with outdoor directional taps.
  - 1.2 The replacement of a 125 – CATV single gang plastic plates with contractor supplied single gang stainless steel wall plates, complete with new coupler and 5 feet of RG 6 cable.
  - 1.3 The Install carbon steel enclosures at all distribution areas
  - 1.4 The supply and install a new CATV drop in Bldg. Q room 106 and Bldg. A room 271.
  - 1.5 The signal balancing to provide a proper signal level at each end user location.

### 1.3 Requirement/Purpose

- .1 This Scope of Work provides prospective suppliers with sufficient information so that they can provide a quotation to PWGSC/CSC. This Scope of Work defines the scope of the system architecture, required to:
  1. To replace the following CATV single gang plastic wall plate with a single gang stainless steel wall plate with new coupler and RG6 connector. All wall panel must be secure with alloy steel button torx head tamper proof screws. Locations are as follows;
    - a. House #1: 9 (8 Bedrooms and 1 Living Room)
    - b. House #2: 9 (8 Bedrooms and 1 Living Room)
    - c. House #3: 8 (7 Bedrooms and 1 Living Room)
    - d. House #4: 8 (7 Bedrooms and 1 Living Room)
    - e. House #5: 9 (8 Bedrooms and 1 Living Room)
    - f. House #6: 9 (8 Bedrooms and 1 Living Room)
    - g. House #7: 9 (8 Bedrooms and 1 Living Room)
    - h. House #8: 9 (8 Bedrooms and 1 Living Room)
    - i. House #9: 9 (8 Bedrooms and 1 Living Room)
    - j. Structured Living Unit (SLE): (16 Bedrooms and 2 Common Area)
    - k. Secure Unit: 22 (13 Cells and 3 Common Area)
    - l. Bldg. Q, Minimum Sector 14 Beds: 0 (all areas to remain as is) (14 Bedrooms and 2 Living Rooms)

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- m. Bldg. PFV: 3 (2 Bedrooms and 1 Living Room)
  - n. Bldg. R. Program and Spiritual: 0 (all areas to remain as is)
  - o. Bldg. A Administration: 3 (V & C 120/109 and Deputy Warden 217, all other areas to remain as is).
2. Update the CATV level Chart in the following area, as required, for the proposed CATV riser design:
    - a. 03 – Bldg. A/Room 1144
    - b. 06 – Bldg. A/Room 1144
    - c. 14 – bldg. Q/Room 115
  3. Upgrade all distribution splitters with Outdoor Directional Tap to obtain tap value for a signal output level of 0 dBm +/- 5 dBm for each end user ( wall plate locations) as per drawing ESS 250/CATV Proposed Riser, ESS 250/CATV System Level Chart and ESS 250/CATV Floor Plan End User #1, #2 and #3.
  4. Adjust the head end signal level as required.
  5. Replace any and or all distribution amplifiers to meet specifications signal level 0 dBm +/- 5 dBm for the end user.
  6. House #1 Room 111A and Bldg. A 1144 exiting set up as per ESS 250/CATV Proposed Riser, must be modified, as required to achieve a dBm +/- 5dBm signal level for all end users.
  7. Bldg. A Room 1182, amplifier and splitter must be removed and install a coupler only with an enclosure as per drawing ESS 250/CATV Proposed Riser.
  8. In House #2 and House #3 the telephone outlet and transformer must be relocated to accommodate the new enclosure. The SLE requires the light switch and receptacle outlet to be relocated to accommodate the new enclosure.
  9. Supply and install the following secure lockable wall mount NEMA Type 4 Single Door Outdoor Electrical Enclosure with carbon steel, concealed hinges, ¾ inch plywood inside enclosure to install amplifier, outdoor directional taps and splitters in all distribution area, as per drawing ESS 250/CATV Proposed Riser, ESS 250/CATV Distribution Area.
    - a. All boxes, amplifiers, splitters and outdoor directional taps to be grounded.
    - b. To supply quantity 10 of the following dimensions: 12" H x 12" W x 6" D
    - c. To supply quantity 5 of the following dimensions: 20" H x 16" W x 6" D
    - d. All enclosure with amplifier must have a dedicated 15A circuit breaker a/c outlet on the institutional emergency power installed in the supply enclosure.
      - i. House #1, Room 111A
      - ii. House #5, Room 003
      - iii. Structure Living Unit (SLE), Room 115
      - iv. Bldg. G, Room 004 Main CER
      - v. Bldg. A, Room 1182 (to be removed)
  10. To label all cable as per ESS requirement and standard at the outdoor directional tap/splitter and end user plate.
  11. To label amplifier with the electrical breaker location.
  12. To terminate all non-used output for proper system balance.
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13. To supply 110 – 5 feet extension with two connectors RG6 for the 89 bedrooms and 11 Cells, 4 Cells x 2 and 2 common areas as per ESS 250/CATV Proposed Riser and ESS 250/CATV Floor Plan End User #1, #2 and #3.
14. To supply and install up to 5 - device single gang steel boxes at the bedrooms or cells, as required.
15. To supply and install a new CATV single gang stainless steel wall plate with coupler at Bldg. Q-Minimum Sector 14 Bed – Room 106 to be connected in Room N119.2 to a new outdoor directional tap as per ESS 250/CATV Proposed Riser and ESS 250/CATV Floor Plan End User #2.
16. To supply and install a new CATV single gang stainless steel wall plate with coupler at Bldg. A-Administration Area, 2<sup>nd</sup> floor, room 217 to be connected in room 203 as per ESS 250/CATV Proposed Riser and ESS 250/CATV Floor Plan End User #3.
17. To supply a Preliminary Design Report for review will a CATV Proposed Riser with all directional tap levels, amplifier locations and all manufacturer specifications sheets.
18. To supply a Final Design Report to be approved by the Technical Authority prior to any modifications and/or installation of the existing CATV system.
19. To confirm with a Pre-Acceptance Test Plan that all signal level output (Bedroom, Living Room, cell, etc.) have a level of 0 dBm +/- 5 dBm for all end users as per drawing ESS 250/CATV Proposed Riser and ESS 250/CATV Floor Plan End User #1, #2 and #3.
20. To supply a new CATV system as-built drawing, CATV riser diagram, CATV Level Chart, updated photos of all distribution area and all necessary equipment data sheets, 2 hard copies with binder, proper label on cover and spine and one soft copy.
21. To supply ½ day (4 hours) of on-site familiarization training of the modified system.

## 1.4 Background

### .1 Location:

1. Nova Institution is a Multi-Level institution located at Truro, N.S. B2N 6R8.

## 1.5 Site Visits/Survey

- .1 The Design Authority, or their authorized representative, will coordinate a mandatory bidder's site visit, and identify the locations of all distribution area and end user's area.
- .2 The visit may be useful to determine:
  1. The exact location of the CATV distribution area at the site.
  2. The condition of each end user wall plate, single gang box and connectors.
  3. The exact location and mounting boxes, taps, splitters, and amplifiers.
  4. The exact location of the new CATV single gang outlet in Bldg. Q and Bldg. A.
  5. Conduit and cabling requirements, and
  6. General layout and operating environment of the site.

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## **1.6 Technical Acceptability**

- .1 CSC operational environment is unique for its diversity of locations, climate exposures and the physical restrictive construction techniques of penal institutions. Maintaining national security, the safety of staff and offenders alike is CSC's commitment to the government and public. Electronic security systems operating in this unique environment must maintain very high standards of dependability and reliability.
  
- .2 CSC Facilities Branch has established Statements of Work (SOW), technical specifications and standards for electronic security systems, which are based on very specific, and restrictive operational performance criteria. Technical acceptability of these systems means that the systems equipment and components comply with the pertinent CSC SOWs, specifications and standards.

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## 2 APPLICABLE DOCUMENTS

### 2.1 Applicability

- A. ES/SOW-0101 Electronics Engineering Statement of Work – Procurement and Installation of Electronic Security Systems
- B. ES/SOW-0102 Electronics Engineering Statement of Work – Quality Control for Procurement and Installation of Electronic Security Systems
- C. ES/SOW-0110 Electronics Engineering Statement of Work – Structured Cable Systems for Electronic Security Systems
- D. ES/SPEC-0006 Electronics Engineering Specification – Conduit, Space and Power Requirements for Security Systems for use in Federal Correctional Institutions