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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  
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**Issuing Office - Bureau de distribution**

Electrical & Electronics Products Division  
L'Esplanade Laurier  
East Tower, 4th floor,  
Ottawa  
Ontario  
K1A 0S5

<b>Title - Sujet</b> CCTV System Upgrade - Beaver Creek CCTV System Upgrade - Beaver Creek Institution	
<b>Solicitation No. - N° de l'invitation</b> 21120-219816/A	<b>Amendment No. - N° modif.</b> 002
<b>Client Reference No. - N° de référence du client</b> 21120-21-3709816	<b>Date</b> 2021-10-25
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$HN-336-80355	
<b>File No. - N° de dossier</b> hn336.21120-219816	<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> Eastern Standard Time EST <b>on - le 2021-11-12</b> Heure Normale du l'Est HNE	
<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(hn336), 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>

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**SOLICITATION AMENDMENT 002 IS RAISED TO (1) ANSWER THE FOLLOWING QUESTIONS AND (2) CHANGE THE CLOSING TIME, AS FOLLOWS:**

**(1)**

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**Question 1:**

Are cameras F35 & 36 Type 3 Anti Ligature? Tom in the tour said they were to go on the ceiling, drawings etc. say type 3?

**Answer 1:**

Yes type 3 camera.

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**Question 2:**

Do we need to install conduit above Tbar Ceilings?

**Answer 2:**

Yes.

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**Question 3:**

Type 4 Monitors, do not see any description for that type in the Tender document – maybe I missed it sorry if I did, but could not find one.

**Answer 3:**

There are no type 4 monitors specified.

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**Question 4:**

Camera F6 on roof – how high does the pole need to? Who is your acceptable Roofer for making sure the roof is watertight after mounting or can this be pole mounted to the side of the building and extended up past the edge?

**Answer 4:**

There is no pole described for F-6 in Annex C, no roof penetrations are required. An example of a swing back gantry can be found at <https://www.altron.co.uk/SB1-RM-D>

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**Question 5:**

What is the brand and model of the existing box camera housing so we can find the appropriate replacement parts?

**Answer 5:**

Enclosures are Pelco EH5723-2.

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**Question 6:**

We are requesting an opportunity to validate infrastructure installation by a site visit. We are quite certain other potential bidders would agree that a site visit is necessary. We are not concerned with building interior installation however. The alternative to an actual onsite validation, would be to have Canada provide respondents with an extremely detailed site plan, including conduit pathways, existing underground environment etc that reflects the current condition of infrastructure.

**Answer 6:**

Canada will not be holding an in-person site visit for this requirement. No additional site plans will be provided

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**Question 7:**

Per the virtual visit the replacement and/or new exterior towers are required. Can Canada please provide us with full specification on a suitable unit.

**Answer 7:**

An example of the tilt down pole can be found at <https://www.altron.co.uk/download268.html>  
AW 1545/BAS TD 12M.

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**Question 8:**

Can conduit be shared or does each camera require its own conduit run.

**Answer 8:**

Conduits can be shared providing they are within 60% density limits as per the ES/SPEC-0006 Appendix "I".

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**Question 9:**

How will Canada handle security delays out of respondent control? Example a building lockdown or other facility emergency where we are unable to work. We would like to see this contingency accounted for as a project extra.

**Answer 9:**

Delays and management are detailed in all PCSC contracts with the CSC.

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**Question 10:**

Due to the unique nature of the Beaver Creek facility we would like a better understanding of the hours of work. As we understand the working hours would be dependent on the nature of the building we are working in or near. Are hours of work consistent in all areas? As we understand for example the Fenbrook site has a more strict schedule than the Beaver Creek side.

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**Answer 10:**

8am to 4pm. There may be delays during movement, but contractor will be required to request access prior to the day work is to be done.

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**Question 11:**

Trenching and civil requirements need to be better understood. Is there a designated path for such work (a)? Will the hours of work or site-specific environment impact how/when this type of work can be completed (b)? How far will trench runs need to be (c)? Will we need to repair asphalt etc (d)?

**Answer 11:**

- (a) No.
  - (b) No impact, work may be done during normal business hours.
  - (c) From building to destination point.
  - (d) Yes, the site is to be left as found.
- 

**Question 12:**

During the virtual site visit an uncertainty in existing conduit condition was identified on a tower (this was the area where only one strain of fibre was available). Should respondents account for a full replacement of this infrastructure?

**Answer 12:**

Should a break exist between the point where the fibre enters the ground at the utility pole and the tilt-down tower (~120'), splicing and replacing the fibre would be part of the contract . Should the break exist in the overhead section of fibre, this will be dealt with as an extra through CSC and PSPC.

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**Question 13:**

Can the location of existing conduits be provided? Are any of the existing conduit pathways full?

**Answer 14:**

There are no existing maps identifying conduit pathways or density.

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**Question 14:**

Are CAD files available for all buildings/equipment location identified and up to date?

**Answer 14:**

CADs are available and will be provided to the winning bidder.

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**Question 15:**

Is conduit required for T-bar ceiling areas?

**Answer 15:**

Yes.

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**Question 16:**

For existing cameras to be transitioned in the new system, can we get make, model and qty's per building?

**Answer 16:**

This information will be provided to the winning bidder.

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**Question 17:**

For existing cameras to be transitioned in the new system are Root/admin passwords, network information available?

**Answer 17:**

This information will be provided to the winning bidder.

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**Question 18:**

We would like to request a copy of the current Genetec Omnicast System ID.

**Answer 18:**

This information will be provided to the winning bidder.

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**Question 19:**

Sections 3.1.1 and 3.1.2 of the STR indicate that the contractor is to install the most current version of Genetec Security Center but Section 3.1.3 is requiring the contractor to expand the existing Genetec VMS software. Please confirm if we are providing a new Genetec Security Center VMS for all the new cameras or expanding to the existing Genetec Omnicast system

**Answer 19:**

Contractor to provide the latest version of Security Centre and expand the licensing.

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**Question 20:**

Does the integration into the Senstar 100 need to be configured with network failover to ensure full system operation even if a Genetec Directory is lost/failed?

**Answer 20:**

The S100 must be aware of status and alarms.

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**Question 21:**

What is the current version of the Senstar S100 PIU FAAS installed? Please confirm if the S100 needs to be updated to the latest version.

**Answer 21:**

See 6.19. And yes.

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**Question 22:**

For all systems being provided, is the winning contractor to be certified and have staff that can fully support all proposed systems being requested in the STR:

- a. Network Switches
- b. Genetec Security Center
- c. Camera Manufacturer chosen
- d. Senstar 100
- e. CCTV Storage solution

**Answer 22:**

Contractor can use subs on S100, but will be responsible for providing support during warranty period.

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**Question 23:**

Does CSC want 1GE or 10GE to interconnect the switches?

**Answer 23:**

10Gb

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**Question 24:**

If any new conduits for new cameras/nodes are going to be run in greenspace, does this conduit need to be concrete encased duct banks?

**Answer 24:**

No, but must be at appropriate depth and construction.

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**Question 25:**

If new concrete ducts are required, what are the requirements for depth, and is rebar required with the encased concrete?

**Answer 25:**

Same as answer 24.

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**Question 26:**

What are the actual work hours on-site and what is the approximate amount of time required for a Technician to enter the facility with his hand tools? This question is requested for both Minimum security and Medium facilities.

**Answer 26:**

See Question 10 above, ~20-30 minutes depending on volume of traffic.

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**Question 27:**

Due to the current Global Microchip Shortage and supply chain issues the Security Industry is experiencing, will the 40 weeks for completion after contract award be extended if supply issues are encountered?

**Answer 27:**

That will be determined if a situation arises.

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**Question 28:**

Please confirm that the existing Video Management System (VMS) is not integrated into the Door Control System (DCS).

**Answer 28:**

It is not.

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**Question 29:**

Section 4.7.8 Edge Network from the STR indicates that edge switches must be 48 port switches but the Site-Specific requirements for Nodes FN2, FN3, FN4, FN9, FN10, FN12, FN13, BN2, BN3, BN4, BN5, BN6, BN7, BN8, BN9, and BN10 indicate 24 port network switches. Are we to provide 48 port switches or 24?

**Answer 29:**

Switches are to be 24 port where indicated.

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**Question 30:**

Section 4.7.8 Edge Network from the STR indicates that the switches are required to utilize 801.aq SPB. Please advise if 802.1aq SPB is a mandatory requirement or if other protocols that can handle the required functionalities will be acceptable?

**Answer 30:**

801.aq is considered necessary for SPB.

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**Question 31:**

Section 4.9.2 (Integration) of the STR states that the contractor must integrate all cameras detailed in the statement of technical requirements and all other digital CCTV cameras. The cameras listed in 4.9.2.1 to 4.9.2.3 only account for the requested 188 new cameras. How many existing digital CCTV cameras are to be integrated between the new Genetec system and the PIU.

**Answer 31:**

ALL cameras are to be integrated to the Genetec and PIU. No exception.

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**Question 32:**

The information provided in the site specific STR along with the Node logic layout drawing provided in Appendix F illustrates a three-tier network design (Core>Distribution>Edge) does not appear to fully meet the network fabric requirements detailed in the STR. Is CSC mandating that the network configuration illustrated in Appendix F be deployed as the solution for meeting the network requirements detailed in the STR or is it the responsibility of the bidder to propose a solution that fully meets the network requirements detailed in the STR?

**Answer 32:**

Yes.

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**Question 33:**

Cameras F-6 and F-7 require the contractor to provide and install swing-back CCTV gantries. Please provide the minimum specifications for the swing-back gantry.

**Answer 33:**

An example of a swing back gantry can be found at <https://www.altron.co.uk/SB1-RM-D>.

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**Question 34:**

On drawing 422, the camera beside camera B-9 is labeled as F-17. On drawing 443, the camera beside camera B-9 is labeled as F-14. It is assumed the proper camera is F-17. Is this correct?

**Answer 34:**

F-17 is correct.

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**Question 35:**

Camera F-252 in Appendix C states that the PTZ camera should be a type #2 camera but the Appenidix D for Camera F-252 states a Type #1 camera is required. Please confirm if a Type 1 or Type 2 camera is required for F-252?

**Answer 35:**

Type 2.

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**Question 36:**

The Cold storage Appliances shown in the Logical Layout Graphic are not detailed in the Tender or in Electronic Standards. Are these existing units or is there something I am not understanding, could you please clarify this?

**Answer 36:**

Coldstore is used as an example of the specified technology outlined in Section 4.8.  
Pay special attention to Section 2.1 and 4.8.10.

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**Question 37:**

B-10 the PTZ by Generator states it goes to BN3 via existing fibre. I just do not see B-10 on the Logical Node Graphic. On that page it has PTZ Cameras B-6 and B-25, but no B10. In fact looking through the logical layout for all minimum security buildings, I cannot find B-10 on any of the Node logical layouts and just want to confirm where it is going. See below.

111.

B-10 – Generator

The contractor must supply and install a PTZ outdoor colour network camera that meets or exceeds the following requirements:

111.1.Location – The location of camera B-10 is detailed on drawing “443 Outdoor Plan”

111.2. NODE – Camera B-10 will be connected to the VMS via an existing fibre-optic link from the camera tower to Node BN3.

111.3.FOV – This camera will provide observation of the west roadway and areas behind buildings BC24, BC25, BC40, & BC41.

111.4.Camera – The provided camera will be type #2 as detailed in section 4.5.4.3 of this statement of technical requirements.

111.5.Mounting – The camera will be mounted onto the pendant mount on the existing CCTV tower.

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**Answer 37:**

It is terminated at BN3.

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**Question 38:**

B-9 and F-14 or F17 The minimum security site plan has the pole for B-9 being moved and adding new PTZ labelled as “F-14”, but F-14. F-14 is off the Boreal building so I am sure it should be F-17? Just confirming please.

**Answer 38:**

B9 is on the tower with B17.

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**Question 39:**

What kind of existing fibre is used for the e “B” PTZ cameras that state re-using the existing fibre – it does not state the type and I assume we are to change the connectors to match the new switches?

**Answer 39:**

The existing fibre are terminated with SC connectors.

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**Question 40:**

This phrase is used for a lot of the outdoor cameras, this is just one example “ 2.4. Mounting – The camera will be mounted on a contractor provided gooseneck pendant mount on top of the existing tower. The gooseneck shall be orientated SSW and the camera shall be mounted on the north arm of the gooseneck” This suggests there is a dual gooseneck mount but it does not request one. Could you ask them to please clarify this?

**Answer 40:**

Where there is one camera on a tower there will be a contractor provided single gooseneck oriented so as to not obstruct the view of the specified FOV. Where there are 2 cameras, the dual gooseneck shall be oriented so as to not obstruct the view of the specified FOV.

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**Question 41:**

Existing PIDS Towers - it is not clear if they want new boxes/cabinets for most of these towers it states “ The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower” it does not say “existing” cabinet or “new”, its kind of ambiguous. They are not even clear if they need a new switch or is it existing. So the question is... Is there a new switch per tower and a new box per tower?

ex

85. P-9 (Tower 4) The contractor must supply and install a fixed colour network camera that meets or exceeds the following requirements:

85.1. Location – The location of cameras P-9 is Tower 4 NW of building FBN and is detailed on drawing “422 Medium Security Unit”

85.2. NODE – Camera P-9 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.

85.3. FOV – The camera will be equipped with 12.5-50mm P-Iris type lens with a horizontal field of view no less than 25°–7°. The new camera and lens will be adjusted to duplicate the existing FOV as closely as possible.

85.4. Camera – The provided camera will be type #6 as detailed in section 4.5.4.7 of this statement of technical requirements.

85.5. Mounting – The camera will be mounted into the existing perimeter camera enclosure. The contractor will provide and install a new CAT6 Ethernet connections between the camera and the provided network switch. The contractor will provide and install a new wiper motor, wiper blade, motor coupling and exterior gasket for each existing enclosure.

OR THIS TOWER 3 WITH THREE CAMERAS: 84.2. NODE – Cameras P-6, P-7 & P-8 will be connected to the VMS using an existing fibre optic cable from the camera tower to Node 1. The camera will be connected to an environmentally hardened network switch with a minimum of 4 PoE+ RJ45 copper ports and a minimum of 1x SFP port for direct fibre optic connection. The provided switch will be installed into the CCTV equipment cabinet located at the base of the tower.

**Answer 41:**

The “provided” switch will be installed into the CCTV equipment cabinet located at the base of the tower. The term provided refers to “contractor provided”. Yes.

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**(2)**

**At Solicitation cover page, “Solicitation Closes” section:**

**Delete:** Eastern Daylight Saving Time EDT

**Insert:** Eastern Standard Time EST

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