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Place du Portage, Phase III
Core 0B2 / Noyau 0B2
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
7B3, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

Title - Sujet CCTV AT ATLANTIC INSTITUTIONS	
Solicitation No. - N° de l'invitation 21120-169589/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client 21120-16-2209589	Date 2016-05-27
GETS Reference No. - N° de référence de SEAG PW-\$\$HN-461-70697	
File No. - N° de dossier hn461.21120-169589	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-06-21	
Time Zone Fuseau horaire Eastern Daylight Saving Time EDT	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Hallman, Patti	Buyer Id - Id de l'acheteur hn461
Telephone No. - N° de téléphone (819) 420-0339 ()	FAX No. - N° de FAX () -
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 is issued to add Attachment 001 – Questions and Answers

1) At Table of Contents

Insert: Attachment 2

Questions and Answers.....Pg. 59

ATTACHMENT 2

QUESTIONS AND ANSWERS

Q1) Dorchester - Can the Design Authority please clarify that the contractor is responsible to supply and install all new 50 micron fibre at Dorchester to replace the existing 62.5 fibre and shall be sized to adhere to the network requirements outlined within the STR?

A1) Dorchester- The contractor must replace the existing 62.5 fibres with OM 3 50 Micron fibre to adhere to the Network requirements included in the STR with one exception - the fibre for the PFV switch 13 must remain.

Q2) All Sites - Please confirm that the existing 62.5 fibre is NOT to be removed as it is presently used by other systems and care is to be taken when pulling new fibre's in the existing conduit?

A2) All Sites - The 62.5 Fibre must be removed at Atlantic, Dorchester and Nova. The 62.5 fibres that terminate in the Springhill Building 1 Telephone exchange Room 103 must not be removed as it is presently being used by other system. The 62.5 fibres from Springhill that terminate in the CER room 112 must be removed.

Q3) All Sites - Can you please confirm that the existing conduit is to be re-used for the new fibre installation?

A3) All Sites – The existing conduit may be re-used where conduit space is available.

Q4) All Sites - Can the Design Authority please confirm that the Contractor is to supply and install one (1) new wall mounted air conditioning unit that vents to the outside wall per site and to be located in the CER?

A4) All Sites – The contractor must provide A/C 19" rack mounted units that vent to the outside wall, which will provide adequate cooling for existing and new CCTV equipment in the TERs and CERs.

Q5) Dorchester - For the interconnection between Westmorland and Dorchester; is the contractor is to supply and install a new 50 micron fibre from each site to unify the Genetec VMS?

A5) Dorchester – The contractor must provide a design that will meet the STR requirements. In order to Unify Dorchester medium and minimum, an OM 3 50 Micron fibre must be provided.

Q6) All Sites - As mentioned during the Dorchester site visit, can it be confirmed that all "Box Cameras" (AXIS 211, 221, etc.), for each of the four (4) sites shall be replaced with a new fixed dome camera with variable lens to match the existing camera FOV?

- 1) **A6) All Sites** - The cameras that do not meet the H.264 video format must be replaced with cameras that meet the following specifications;
- ES/STD 232R1E Fixed Network color Dome Camera, refer to sections 1.2.1 and 1.2.3 for exceptions (perimeter and observation cells).
 - The Perimeter cameras must meet the specifications defined in ES/STD 221R3E Fixed Network color cameras for enclosures.
 - The indoor and outdoor PTZ Cameras must meet the specifications defined in ES/STD 0223 indoor and outdoor PTZ cameras.
 - Observation cell cameras must meet the specifications define in ES/STD 233 Indoor No Grip Corned Mount network Color camera corner mount cameras with recording LED, indication as per section 4.3.

Q7) All Sites - Is the contractor required to obtain all existing FOV's of the existing cameras prior to any installation and include the existing FOV's in the Final Design Report (FDR) for reference during system acceptance?

A7) All Sites – The contractor does not need to obtain the current FOV's for the existing Cameras, There is a FOV manual at each site and this manual will be made available to the contractor during the installation of the replacement cameras.

Q8) Dorchester - During the Dorchester site walk through, no new racks were noted for supply and install, can this be confirmed that the contractor is not required to supply and install any equipment racks?

A8) Dorchester – As per the STR 4.10, the existing CCTV racks can be reused, providing they will accommodate the new CCTV equipment and rack mounted A/C requirements.

Q9) All Sites - As per STR, can it be confirmed that existing UPS units can be reused but expanded with EBM units to achieve a 30 minute runtime?

A9) All Sites – Additional EBM can be added to the existing UPS units, providing the existing units can support additional EBMs.

Q10) All Sites - Can it be confirmed that all cable installation is to be within conduit and no free air cabling is acceptable?

A10) All Sites – Conduit must be supplied in all areas where possible. For areas that are not accessible (ceiling space at Nova, example) for conduit installation, the contractor is to provide J hooks to support the cabling. Conduit is not required in the Dorchester tunnels. However the contractor must provide J hooks to support the cable. Cables must not to be tied to existing conduits or piping.

Q11) All Sites - For all conduit installation within inmate areas, can it be confirmed that Rigid conduit to be used?

A11) All Sites – Rigid Conduit is required in all inmate accessible areas as per Es Spec -0006 3.3.1 and STR section 4.4 System Installation.

Q12) All Sites - For the Storage solution required, can you please confirm that RAID6x technology with redundant SAN and VM Ware is to be used and must be a certified solution by Genetec for both Security Centre and Omnicast?

A12) All Sites - The Raid 6x technology with redundant SAN and VM ware must be a certified solution by Genetec for both Security Centre and Omnicast.

Q13) All Sites - For the network solution, Storage Solution, cameras proposed and Video Management Solution, can this be confirmed that the contractor is to be certified by each of the proposed manufacturers?

A13) All Sites - The contractor must be certified by the proposed manufacturers for the Network solution, Storage Solution and Video Management Solution. Contractor are not required to be certified by the camera manufactures.

Q14) All Sites - For all hardware and software solutions, can it be confirmed that the **BIDDER** is required to be certified with the Network Hardware, Storage Solution and Video Management Software and that sub-contractors to the contractor cannot be used to COMPLY?

A14) All Sites - The contractor or subcontractor must be certified by the proposed manufacturers for the Network solution, Storage Solution and Video Management Solution.

Q15) All Sites - To ensure proper Time Sync, is the contractor required to put in a NTP Time Server for time sync throughout the Video Network?

A15) All Sites – No, the contractor is not required to install a NTP time Server.

Q16) All Sites - Can the Design Authority please provide all the required 50 micron fibre runs required for each site along with the estimated length of the runs?

A16) All Sites, It is the contractor responsibility to estimate all the required cable runs, using the scaled drawings - Atlantic institution, Main gallery –Upper, Dorchester, Dorchest Site Plan-tunnels and Springhill, E1 ComDuctBank E1. Cable run for Nova institution may be estimated using the non scaled draw, Nova site 2015 underground-ducts.

Q17) All Sites - Can the Design Authority please confirm that all new fibre runs are to be terminated into new Fibre patch panels and the existing ones are not to be used?

A17) All Sites – Yes new fibre patch panels must be used to terminate new OM 3 50 um cables in the CER s and TERs.

Q18) All Sites - Is the contractor to assume all existing conduit runs can be re-used to run the new fibre optic cabling?

A18) All Sites – For the purpose of the bid the contractor can assume the conduits between buildings are in good condition and any available space in the existing conduits can be re-used.

Q19) All Sites - Can the Design Authority please confirm that a minimum of a 12 strand fibre cable is to be ran as a minimum but more as required to achieve the network requirements?

A19) All Sites – As per structured cable system Sow 110R1E section 4.3.1 a minimum of 12 strand fibre cable is required for each location, more maybe required to meet the network requirements.

Q20) All Sites – In regards to the fibre optic specifications, can the Design Authority provide the jacket requirements (UV Rated, Direct Burial, Tight Buffer, etc)?

A20) All Sites – The jacket must be green in color and the fibre must meet industries standards for the application it is being used for, ie Riser or plenum fibre, outside plant cable, etc.

Q21) Springhill - As discussed during the walk through, it was noted that all new fibre optic cable is to be fed through the IT Room (at the main entrance - Fibre Room). Can you confirm that the contractor is to provide a new conduit run from the IT room to the CER and provide at least 50% spare space within this conduit after all fibre cable is ran?

A21) Springhill - Yes, the contractor must provide new conduits from the IT room 103 to the CER room 112 in building 1.

Q22) All Sites - As noted throughout the site visits, not all locations have existing wall brackets for the monitors but can the Design Authority confirm that all contractors are to provide one (1) Full Motion bracket per monitor?

A22) All Sites – The contractor must provide one wall bracket for each new monitor.

Q23) All Sites - As per the STR and discussions during the walk through; is the contractor required to supply and install a new Air Conditioning Unit in each Equipment Room that is vented through an exterior wall? Could this be carried on a CASH ALLOWANCE as there are too many variables based upon the existing BTU within each equipment room and temperature based upon the time of year?

A23) All Sites - The contractor must provide A/C 19" rack mounted units that vent to the outside wall, which must provide adequate cooling for all existing and new CCTV equipment in the CERs and TERs at each site.

Q24) All Sites - Can the Design Authority confirm that all existing KVM extenders are to be replaced with new IP Based KVM Extenders and not just point to point KVM extenders?

A24) All Sites – The System Design proposed by the bidder will drive the requirement for IP Based KVM extenders.

Q25) All Sites - Can the Design Authority confirm that the proposed IP KVM Extenders by the contractor shall be capable of controlling a USB Joystick (example: AXIS 8310) over the same CAT5/6 network cable as the monitors?

A25) All Sites – The KVM extenders must have the capability to operate a USB Joystick over the same CAT 5/6 network cable as the monitors.

Q26) All Sites - Regarding section 2.0 APPLICABLE DOCUMENTS...
2.2 Applicable Standards and Specifications

- a) There is reference to ES/STD-0234 Electronics Engineering Standard, Indoor Network Colour Dome, Closed Circuit Television Camera; This is not included in the package please provide.
- b) There is reference to ES/STD-0207 High Security Enclosure, Closed Circuit Television This is not included in the package please provide.

c) There is reference to ES/STD-0232 Electronics Engineering Standard, Outdoor Network Colour Dome, Closed Circuit Television Camera. Actual title of the document is ELECTRONIC ENGINEERING STANDARD FIXED NETWORK COLOUR DOME CAMERA FOR USE IN FEDERAL CORRECTIONAL INSTITUTIONS

- i) Please confirm the title of ES/STD-0232
- ii) Please confirm if this is the correct document for fixed indoor domes.

- d) Please provide spec for fixed outdoor dome cameras.
- e) Please provide spec for PTZ outdoor dome cameras.
- f) Please provide spec for PTZ indoor dome cameras

A26) a, ES/STD-0234 Electronics Engineering Standard, Indoor Network Colour Dome, Closed Circuit Television Camera has been replaced by ES/STD-0232. This specification includes both indoor and outdoor dome cameras.

b, Reference Es/STD-0207 is not required, it can be deleted.

c, ES/STD-0232 title is "Electronic Engineering Standard Fix Network Colour Dome Camera for use in federal correctional Institutions.

c, ii ES/STD-0232 is the correct document for both indoor and outdoor Dome cameras.

Q27) All Sites- Please confirm that all cameras that are to be replaced will not re-use existing camera housings.

A27) All Sites – The existing camera housings must not be re-used with the exception of the Perimeter PIDS cameras.

Q28) All Sites - Please new cameras are not to be box style cameras.

A28) All Sites - The replacement camera specifications, ES/STD-0232 must be used for replacement indoors and outdoors cameras, ES/STD-0233 must be used to replace all cell Cameras, ES/STD-0221 must be used for the Perimeter PIDS cameras replacements, and ES/STD-0223 must be used for all indoor and outdoor PTZ replacements.

Q29) All Sites - Please confirm that all cameras that are to be replaced are to be replaced with dome style cameras

A29) All Sites – See answer A28.

Q30) All Sites - Please confirm ES/STD-0229 Electronics Engineering Standard, Network Video Recorder, Closed Circuit Television is not applicable as NAS is required.

A30) All Sites – ES/STD-0229 is not applicable as a Storage array Network is required.

Q31) All Sites - Please confirm all Applicable Standards and Specifications documents are current revision as some are dated 2004.

A31) All Sites- Applicable Standards and Specifications documents are current.

Q32) Dorchester - Please clarify specific cooling requirements for the CER; what are the min/max allowable temperatures, acceptable humidity levels etc. to be maintained? Please provided relevant CSC or other specification for heating cooling units?

A32) Dorchester - The contractor is to provide 19" A/C rack mounted units that vent to the outside wall, which will provide adequate cooling and humidity levels for existing and new CCTV equipment installed in the CERs and TERs.

Q33) Dorchester - Please add existing camera enclosure type to camera tables and indicate whether they are to be replaced or reused?

A33) Dorchester – Cameras/Housing must be replace as per Specifications listed in Answer 28, therefore a list of housings is not required and will not be provide.

Q34) Dorchester - Please provide locations of all TER rooms/cabinets and NVUS (existing and new) on scaled drawings?

A34) Dorchester - Drawings were sent to bidders via email.

Q35) Dorchester - Please provide photos of each of the existing NVUS locations and identify which monitors are to remain and are to be replaced within this project? If the monitor sizes are to be different than those requested in the project STR please clarify?

A35) Dorchester – Photos will be provided.

Q36) Dorchester - There was discussion whether Westmorland CCTV system was to merge with Dorchester or remain a standalone system. Please indicate which scenario should be included in the proponent's base bid? If Westmorland is to be an integrated solution; please provide a drawing(s) indicating the existing conduit pathways and access locations for conduits to interconnect Westmorland to the Dorchester CER

A36) Dorchester - The contractor is to provide a design must meet the STR requirements for the Westmorland institution (Dorchester Minimum) CCTV system. Unifying Dorchester medium and minimum will require an OM 3 50 Micron fibre. The Dorchester Site plan-Tunnels show the K-35 tunnel from Dorchester Building 7 to the Westmorland building C18, from C18 there are conduits to the main building F58. These tunnels and conduits were shown to all attendees on the site visit.

Q37) Dorchester - Please identify all fiber types and strand counts on the CCTV Network Block Diagram 14CE0208DO-NIC-01 Sheet 4 of 22 provided within the addendum.

A37) Dorchester – **The bidder is responsible for** identifying the existing fibre types and strand count., All areas were shown to the bidders at the site bidder's meeting tour and a review of existing fibres was carried out by many bidders. Refer to the STR section 1.4 Site Visit, the visit may be useful to determine, B The conduit and cable requirements for power, video and control signals to cameras and other equipment locations at these sites.

Q38) Atlantic - Please provide TER/cabinet and NVUS locations on a scaled drawing; possibly adding them to the MAIN-Gallery-Upper drawing.

A38) Atlantic – Drawings were sent to bidders via email.

Q39) Atlantic - Please provide pictures of the Unit #1&5 User Stations?

A39) Atlantic - Photos will be provided.

Q40) Atlantic - Please identify all fiber types and strand counts on the CCTV Network Block Diagram 14CE0211AI-NIC-01 Sheet 3 of 24 provided within the addendums.

A40) Atlantic - The bidder is responsible for identifying the existing fibre types and strand count , All areas were shown to the bidders at the site bidder's meeting tour and a review of existing fibre were carried out by many bidders. Refer to the STR section 1.4 Site Visit, the visit may be useful to determine , B The conduit and cable requirements for power, video and control signals to cameras and other equipment locations at these sites..

Q41) Atlantic - Please add existing camera enclosure type to camera tables and indicate whether they are to be replaced or reused?

A41) Atlantic – The cameras/housing must be replace as per Specifications listed in Answer 28, therefore a list of housings is not required and will not be provided.

Q42) Springhill - Please add existing camera enclosure type to camera tables and indicate whether they are to be replaced or reused?

A42) Springhill – The cameras/housing must be replace as per Specifications listed in Answer 28, therefore a list of housings is not required and will not be provided.

Q43) Springhill - Please provide TER/cabinet and NVUS locations on a scaled drawings?

A43) Springhill - Drawings were sent to bidders via email.

Q44) Springhill - Please detail the new rack that will be provided within the CER – is this under a different project and what space will be available for this project?

A44) Springhill – There is another rack that may be installed prior to the award of this solicitation. However, bidders should not assume that any space will be available for CCTV equipment in this rack. Refer to the STR section 4.10 regarding new and existing equipment racks.

Q45) Springhill - Please identify all fiber types and strand counts on the CCTV Network Block Diagram 14CE0210SP-NIC-01 Sheet 2 of 37 provided within the addendums?

A45) Springhill - The bidder is responsible for indentifying the existing fibre types and strand count , All areas were shown to the bidders at the site bidder's meeting tour and a review of existing fibre were carried out by many bidders Refer to the STR section 1.4 Site Visit, the visit may be useful to determine , B The conduit and cable requirements for power, video and control signals to cameras and other equipment locations at these sites.

Q46) Nova - Please add existing camera enclosure type to camera tables and indicate whether they are to be replaced or reused?

A46) Nova – The ccameras/housing must be replaced as per specifications listed in Answer 28, therefore a list of housings is not required and will not be provide.

Q47) Nova - Please provide TER/cabinet and NVUS locations on a scaled drawings?

A47) Nova - Drawings were sent to bidders via email.

Q48) Nova - Please identify all fiber types and strand counts on the CCTV Network Block Diagram 14CE0209NO-NIC-01 Sheet 2 of 11 provided within the addendums.

A48) Nova - The bidder is responsible for identifying the existing fibre types and strand count , All areas were shown to the bidders at the site bidder's meeting tour and a review of existing fibre were carried out by many bidders Refer to the STR section 1.4 Site Visit, the visit may be useful to determine , B The conduit and cable requirements for power, video and control signals to cameras and other equipment locations at these sites

Q49) All sites - Provide Genetec system ID's for each site.

A49) Atlantic is System ID : 289-710-524-871490831
Springhill System ID : 022-953-656-829276504
Dorchester System ID: 060-194-984-309604388
Nova System ID: 899-691-081-519516124

Q50) All sites - Confirm it is not the intent to have two Omnicast systems running at any given site at one time and that some camera down time is acceptable.

A50) All Sites – The intent is not to have two Omnicast systems running at the same time, down time must be kept to a minimum. Refer to STR section 5.6 Institutional operations.

Q51) All sites - Confirm if user training is still required (as upgrade to Genetec Control Centre is no longer required)

A51) All Sites – User training is still required, as some staff are new and other may require a refresher.

Q52) All sites - What is the timeline for completion of the installations per site?

A52) All Sites – The contract completion date.

Q53) All Sites - Must installations at all sites take place at once or can they be done one after the other.

A53) All Sites – Sites can be completed independently. As per the STR 5.10 schedule, the contractor must provide a detailed work schedule for the installation activities.

Q54) Springhill - It was identified that 5 workers would only have 2 guards assigned. Does this mean all 5 workers must be working as a group in the same location?

A54) Springhill – Commissionaires are assigned to contractors and work areas, if there are requirements for two (2) different work locations. Then the appropriate commissionaires will be assigned as requested. Should a group of five (5) contractors be working in the same area, one (1) commissionaire will remain with them at all times. The other commissionaire could take one or two contractor(s) to another work location if required.

Q55) Springhill - How many groups of workers (comprised of 1-3 individuals) may be scheduled if these groups are working in different areas of the institution?

A55) Springhill – In general terms, Springhill commissionaire's can and do accommodate many groups of workers. Availability depends on how many other contractors are working in the institution during the

requested time. Requests for commissioners must be scheduled a week in advance to sure accommodation can be granted.

Q56) All sites - Confirm new Servers are required for the Omnicast Software.

A56) All Sites – New servers are required for the Omnicast Software.

Q57) All sites - Confirm new Keyboard Monitor Mouse trays are required for Omnicast servers

A57) All sites - New Keyboard Monitor Mouse trays are required for Omnicast servers.

Q58) All sites - Confirm all new monitors are to be 22"

A58) All sites - All new monitors are to be 22"

Q59) All sites - Per 4.1.2 User Interfaces: *All control functions such as selection and control of the Pan/Tilt/Zoom (PTZ) and spot monitor selection of a camera will be through the use of a mouse or touch screen. Playback, recording, searching or archiving of video to external media will be accomplished through the use of a mouse and keyboard.* Confirm if all existing PTZ joysticks will remain or if they must be replaced accordingly.

A59) All sites – The existing PTZ joysticks will remain in place.

Q60) All sites - Confirm if all new switches must be 48 port where possible. 4.8 of the STR says for remote locations 8 port is acceptable, which locations are considered remote?

A60) All sites - 48 port switches must be installed at all locations with the following exceptions; Perimeter locations and the V&C locations at Dorchester and Springhill (Dorchester Switch 7 and Springhill Switch 29). The above mentioned remote locations require a SPB-compatible lower port switch. The 8 port was an example only, it is likely that these locations will require a higher port capacity connection to accommodate all devices.

Q61) All sites - Confirm if new cabling can be cat 5 or if Cat 6 is required, if cat 6 must be used are new patch panels required to be installed.

A61) All Sites – New cabling must be Cat 6e, however the existing patch panels can used where space is available.

Q62) All sites - Confirm if existing patch panels must be replaced or if they can remain.

A62) All sites – The existing patch panels may be reused.

Q63) All sites - Confirm if existing media convertors must be replaced of if existing can remain.

A63) All sites – The existing media convertors must be replaced.

Q64) All sites - Confirm if new KVM extenders must be installed for user stations or if existing may be reused.

A64) All sites - New KVM extenders must be installed for the user stations.

Q65) All sites - As it applies to network switch ports - Where 50% spare capacity is required...: Please confirm if this is on a on a per network switch basis, room by room basis, or cumulative system wide.

A65) All Sites – 50% spare network switch ports are required on a room by basis.

Q66) All sites - Is it possible that Corrections provide a secure lock up area for tools and equipment, as there will be significant deliverables under this project?

A66) All sites – Yes, CSC will provide a location on each site to store a lock box that is provided by the contractor. TBD at the project start up meeting.

Q67) All sites - Is it possible to deliver a sea can delivered inside the institution for storage of parts, tools and equipment?

A67) All sites - It is possible to deliver a sea to the institution for storage of parts, tools and equipment, the location will be determined by security at the project start up meeting, the location well be outside the fenced perimeter of the institutions.

Q68) All sites - Confirm for all sites when access to /egress from the site will not be granted.

A68) Atlantic –7:30 to 8:15 am there is no access to the institution for contractors. Working on the living unit range and the Y control area must be completed after evening count and lock up, 22:00 to 7:00. There is no vehicle access or egress during formal count, 11:00 and 16:00 and 22:00

Dorchester – 7:30 to 8:15 am there is no access to the institution for contractors via the front door. The Sally Port (Vehicle Gate entrance) which is the normal contractor entrance point is open 8:00 to 16:00 only.

Springhill – 7:30 to 8:15 am there is no access to the institution for contractors. During formal count times 11:20 and 16:00 egress may not be granted until the count is cleared, generally it takes 1.5 hours for count to be cleared.

Nova – 7:00 to 7:45 am there is no access to the institution for contractors. During formal count times 12:00 -13:00 and 5:00 to 5:45 egress will not be granted until the count is cleared.

Q69) All sites - Provide MSDS sheets for hazardous substances workers may encounter while working on site.

A69) All sites – The Material Safety Data Sheet for the Oleoresin Capsicum (OC) gas being used in the Atlantic region was sent to bidders via email.

Q70) All sites - Confirm existing cat 5e or Cat6 cable to existing cameras or replacement cameras is not required to be revised tested/certified.

A70) All sites – The existing cat 5e or Cat6 cable to existing cameras or replacement cameras is not required to be revised tested/certified.

Q71) All sites - Advise on current temperatures in all rooms where CCTV hardware resides (where there may be a requirement for cooling).

A71) All Sites – Additional 19" rack mounted cooling is required for the new CCTV equipment. The current CERs average temperatures are not higher than 28 degrees during the 4 seasons.

Q72) All sites - Advise on existing cooling infrastructure in place where CCTV hardware resides.

A72) All sites – A/C units are installed in all CERS and provide average temperature not higher than 28 degrees. They are sized to accommodate the existing installed equipment.

Q73) All sites - No lightning protection systems were identified during the walk through. Please confirm if lightning protection systems exist on existing exterior cameras.

A73) All sites –No existing exterior cameras are equipped with lightning protection.

Q74) All sites - Please confirm if lightning protection systems are required for existing exterior cameras that are to be replaced.

A74) All Sites - Lightning protection systems must be installed at the camera and switch locations for the exterior cameras that are being upgraded.

Q75) All sites - Please confirm if lightning protection systems are required for new exterior camera locations.

A75) All sites - Lightning protection systems must be installed at the camera and switch locations for the new exterior cameras locations.

Q76) All sites - Confirm the frame rate and resolution required for camera recordings.

A76) All Sites – 30 frames per second and resolution of 640x 480 must be provided.

Q77) Appendix H identifies some cameras that are analogue with video encoders (WV-CS954P/241Q). Please confirm if it is acceptable to upgrade the encoder to one that is H.264 capable and that it is not necessary to replace the camera with an IP camera.

A77) All Sites- All analogue cameras are to be upgraded with an IP camera meeting the specifications of the STR. The installation of new cat 6 cabling will also be required for any existing analogue cameras.

Q78) Regarding the network strategy supply / service:

- a) Is the contractor responsible for registering and maintaining accurate records of the networking equipment sold with the manufacturer?
- b) Should the equipment sold be covered under warranty for the following services:
 - i) Next-business-day - shipment of an advanced replacement unit for failed hardware, for the lifetime of the product?
 - ii) Basic technical support during normal business hours for the lifetime of the product?
 - iii) 90 day access to self-service downloads of service packs/maintenance loads?

- c) Should the contractor be able to solicit a minimum of Basic Technical Support from the manufacturer directly which includes at least the following services:
 - i) Diagnosing basic hardware & software issues through on-board diagnostics
 - ii) Known issue documentation provided via Avaya knowledge management (product bulletins, etc.)
 - iii) Emergency recovery service (system restoration)

A78) a) YES – contractor should maintain accurate records of what is being provided and be purchasing equipment from an authorized manufacturer.

b) YES – given that our operation is uptime critical, we need (i) next business day replacement. Typically a support contract given (i) is expected to give (ii) and (iii) also.

c) CSC would anticipate a contractor having an arrangement with its manufacturers whoever they may to provide assistance in their area of product/ system expertise. This arrangement is between the contractor and the manufacturer.

Q79) Regarding the supply of the core switch: Given the fact that the edge switches are to support 10Ge for future expansion, would CSC prefer a core switch that supported 10Ge to match the edge requirements?

A79) YES – 10GE capable core switches are preferred as this will add much greater future-proofing from this current installation.

Q80) Given the fact that the Networking switches require Layer 2 and Layer 3 services, are layer 3 services and virtual service required in the core as well as the edge?

A80) YES – L3 is required at the core and edge to allow virtualized routing / network segregation in addition to VLAN operation. This again adds to the future proofed nature of this installation for future needs when capacities (e.g. greater numbers of cameras and thus links) grow.

Q81) Would Avigilon Control Centre 5.0 be considered as an alternate to the Genetec Software?

A81) The STR associated with the RFP provides the following direction:

3.1 General

The contractor must supply and install new CCTV equipment to upgrade an existing digital CCTV system. The upgrade shall include the installation of new OM3 50 micron fibre and CAT5 or CAT6 termination bays, replacement of all CCTV Ethernet network switches, Network Video Recorders and Network Video User stations computers, Monitor and Cameras, to provide a complete CCTV network throughout the four (4) institutions. A number of existing cameras shall be reconfigured to support H.264. Provide and install new CCTV Network user stations, cameras and equipment cabinets as required that meet the requirements detailed in section 4.14 of this STR. **The new CCTV archive array as detailed in this STR must be installed in a new or existing electronics equipment cabinet and configured to operate with the Genetec Omnicast platform.** The operational parameters of the installed equipment must meet the performance and operational requirements in accordance with the Specifications and Standards listed in paragraph 2.2.

3.2 System Specifics

This project will see a turn-key digital CCTV system installed at Atlantic Dorchester and Springhill institution. This system will be complete with all necessary mounts, cable dressing brackets and straps. All conduit and cable provided will meet CSC – Electronics standards and specifications. **All new equipment provided must seamlessly integrate into existing digital CCTV equipment.**

3.2.1 Video Management System

The project shall utilize the Genetec Omnicast VMS system. The system requires that all network and camera hardware be properly programmed to be 100% compatible on a Genetec VMS platform. All Work on the VMS software, video storage solution, network support equipment must be integrated by a certified Genetec reseller employing trained and certified Genetec installation/integration technicians. Installation technicians Genetec certifications qualifications must be confirmed with Genetec.

This information provides adequate specificity for potential bidders.

Photo Requests

- 1) Please provide pictures of Core switches in the CER's, their associated media convertors and fiber patch panel.

Photos have been emailed to a representative of each company that attended the site visit.

Meeting Minutes

- 1) Meeting minutes have been emailed to all attendees of the site visit.

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED