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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
11 Laurier St./11, rue Laurier
7B3, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

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| Title - Sujet PERIMETER DETECTION SYSTEMS CCTV | |
| Solicitation No. - N° de l'invitation 21120-147874/A | Amendment No. - N° modif. 008 |
| Client Reference No. - N° de référence du client 21120-14-2007874 | Date 2014-08-18 |
| GETS Reference No. - N° de référence de SEAG PW-\$\$HN-334-64960 | |
| File No. - N° de dossier hn334.21120-147874 | CCC No./N° CCC - FMS No./N° VME |
| Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-09-05 | Time Zone Fuseau horaire Eastern Standard Time EST |
| F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/> | |
| Address Enquiries to: - Adresser toutes questions à: McLaughlin, Michael | Buyer Id - Id de l'acheteur hn334 |
| Telephone No. - N° de téléphone (819) 956-3622 () | FAX No. - N° de FAX () - |
| Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: | |

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| 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 |

Solicitation No. - N° de l'invitation

21120-147874/A

Amd. No. - N° de la modif.

008

Buyer ID - Id de l'acheteur

hn334

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

21120-14-2007874

File No. - N° du dossier

hn33421120-147874

CCC No./N° CCC - FMS No/ N° VME

Cette modification est portée à des questions incluses soumissionnaires au format anglais.

(voir pdf ci-joint. intitulé «Anglais Q & A»)

TOUS LES TERMES ET CONIDITIONS demeurent inchangées

ADDENDUM 2

PWGSC File # 21120-147874
Replacement of Perimeter Cameras
For Use in Federal Correctional Institutions

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| 1. | Paragraph 1 of Section 6.4 of the STR indicates that there are "two attached drawings explaining the scope of work to be done". These drawings have not been included in the STR or the subsequent amendments. Please provide so that we may properly evaluate the FTC requirement. | A.2.1 Please contact the PWGSC officer for instructions on how to obtain this information. |
| 2. | The last item in Addendum 4 indicates that the camera quantity at Joliette is 18 (+ C25 project). Please identify if there is a requirement to integrate any C25 cameras. | A.2.2 The cameras associated with the C25 project at Joliette do not need to be replaced, but integration of the archiving system is included in this project. Yes. |
| 3. | Paragraph 1 of Section 6.3 of the STR indicates that a fibre routing drawing will be provided for Port Cartier. Please provide this information so that we may determine the correct fibre distance to each network switch. | A.2.3 A length of 1351 m surrounds the existing perimeter. 10 sectors surround the Port-Cartier institution. SCC didn't found any drawing for the perimeter conduit distribution. The bidders should estimate a total length of 1.5 km to complete this service. The optical fibre will be attached in the same manner as other institutions, at the top of the perimeter fence. |
| 4. | The answer to question 55 in Addendum 4 indicates that the applicable CSC documents noted in Section 2.2 of the STR were sent to PWGSC on May 20, 2014. When will these documents be distributed to bidders for generating the requisite paragraph-by-paragraph statements of compliance? | A.2.4 CSC called PWGSC as to proceed to confirm that proper posting. Please contact the PWGSC officer for instructions on how to obtain this information. |
| 5. | Page 20 of 27 in Addendum 4 clarifies Section 4.15 of the STR. In the clarification, there is reference to "authorized Senstar dealer". We have contacted Senstar and they do not offer software configuration services through authorized dealers. Please identify which "authorized Senstar dealers" CSC typically uses. | A.2.5 CSC has to justify sole source procedure to deal with Senstar via PWGSC. Answer A78 of the addendum #1 elaborates our point of view for this project. |
| 6. | Reference amendment No. 004, page 23, paragraph 4; please indicates the inclusion and provision of a three year warranty including a response time to a service call of within 4 hours. Please provide clarification what exact electronics and infrastructure is to be | A.2.6 See A.2.24 |

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| | covered by this service agreement and whether the pricing associated with this requirement is part of the baseline proposal or as an option? | |
| 7. | Reference STR section 4.30.1; please identify how the proponents are to determine "the nature and current indoor and outdoor condition of the institution for a final evaluation of the work to be performed on site since no extra payment may be claimed " when there was not sufficient time or access granted to all areas during the site visits? | A.2.7 After the call for tenders procedure, the successful contractor will be responsible for investigating the functional status of the CCTV system and reporting on any anomalies noted or else risk being held accountable for these deficiencies and being unable to claim compensation for requested project changes. |
| 8. | Reference Amendment 004, Q&A #32; please provide a measurement of height for the enclosures? | A.2.8 See answer A.2.28 for the height of the NEMA4X exterior enclosures. |
| 9. | Reference Amendment 004, Q&A #33; please confirm that each MCCP console will accommodate monitors measuring 6RU in height without having to rearrange other electronics within the MCCP consoles? | A.2.9 In the event that an institution requires rearrangement of equipment, the contractor will be responsible for estimating the cost of the work and providing a change/compensation request for the project contract through PWGSC at the appropriate time. |
| 10 | Reference Amendment 004, Q&A #37; please confirm that the required software upgrade for the LANSER will be supplied by CSC? | A.2.10 Negative, this must be part of the proposal, significant percentage to the overall project. |
| 11 | Reference Amendment 004, Clarification; section 4.12; this section indicates 15 to 30 minutes and answer A17 within Amendment 004 indicates 5 minutes UPS runtime, which is correct? | A.2.11 Answer A17, has to limit the size of the UPS in those exterior enclosures to 5 minutes. |
| 12 | Will additional time be provided prior to submission of the proposals? | A.2.12 This will be determined by PWGSC. |
| 13 | Given that more questions have been asked and will result in proposals being modified, can the contract be extended 2 weeks following the reception of new answers? | A.2.13 See answer A.2.12 |
| 14 | A51: The current analog cameras are encoded via IP encoders which are encoding 12x cameras on 1x Network link. Given the fact that the head-end switch is full, should the successful contractor replace the switch or provide | A.2.14 This is for Joliette only; Better to stick to one head end switch (upgrade – so not at full capacity – either solution will work – a. YES. |

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| | a 10Gb uplink connection to a secondary head-end switch? a. It is good practice to allow for one network link per switches connected directly to the head-end switch, should the successful contractor follow this practice? | |
| 15 | A54: Should a LANSER be deployed to intercept the Sentient signal and provide failover capabilities from the Genetec system? | A.2.15 The LANSER module is the interface between GENETEC and the PIDS and FAAS. Omnicast software generally sends the signal to LANSER that is needed for the PIDS and FAAS. |
| 16 | A55: No specifications have been issued with this amendment. Can CSC provide the specifications to adhere to? | A.2.16 See answer A.2.4 |
| 17 | A82: The Virtual Matrix service is server based software and the software required to present the video is client base software. Should both software type be deployed on the same machine or on two distinct machines? | A.2.17 The Virtual Matrix service must be generated by an NVR unit and not an NVUS client console. In this case, please ignore answer A82 in Addendum 1. |
| 18 | Clarifications to section 4.17: If the exterior rated cable color is modified, it will affect the overall UV Block rating and the cable may not be exterior rated anymore. Should the successful contractor supply proper exterior rated cable regardless of color? | A.2.18 The UV aspect should not be a concern since all cable must be enclosed in conduits. A cable installation that has exposed wires is not fit for an electronic security system design. |
| 19 | Clarifications to section 6.2: It is stated that the successful contractor will have to propose possible ergonomics to allow for enhancement. Are we to include the cost for a proposed installation or provide a price depending on the answers received during this meeting? a. Will this be addressed under a Design Change Request? | A.2.19 The scope of the project does not include any ergonomic corrections for MCCP positions. The project is limited to replacing and updating equipment. In the event of ergonomic incompatibility, a proposal can be made under a project design change request. |
| 20 | Clarifications to section 6.2: It is mentioned that the contractor will be responsible for removing the existing coaxial and supply cables for existing cameras. I believe the exterior cameras are to be replaced, can CSC confirm? | A.2.20 CSC confirmed that a cable run between the cameras and outdoor housing is always present and will be replaced via PoE strategy. The wiring power of camera housings must also be changed. The Joliette, Cowansville and Port-Cartier institutions have coaxial cables up to the CER. Those cables must be removed also. We consider this to be within the scope of the work. The perimeter cameras must also be replaced. |
| 21 | Clarifications to section 6.2: It is mentioned that there are 10 cameras on the Perimeter, the provided drawings only show 9. Can CSC confirm the location of the missing camera? | A.2.21 Please consider that there are 10 cameras since the drawing is provided as a guide only. Moreover, this institution's C25 project added IP cameras that are already connected to the CCTV system at this site. An adjustment will be made during the project start-up meeting with the successful contractor, if necessary. |
| 22 | Clarifications to section 6.2: It is mentioned that there are 3 cameras on building F, the provided drawings only show 2. Can CSC confirm the location of | A.2.22 See A.2.21 Refer to attached drawing, 3 cameras are on building F. |

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| | the missing camera? | |
| 23 | Clarifications to section 6.4: Given the fact that the Edge switches will be deployed in harsh environments, should they be hardened switches? | A.2.23 For the site FTC with the new switch infrastructure – the goal is for all switches to be indoors (and in reasonable switch friendly environments) e.g. in FTC in towers via Ethernet PoE extension. |
| 24 | Clarifications to section 6.4: It is stated that the successful contractor is to include provision for a three year warranty including a response time to a service call within 4 hours for any failure of equipment under this STR. a. Can CSC confirm the need for such a warranty? b. Can CSC confirm if this applies to all sites? | A.2.24 a. Yes, as specified in clarification section 6.4 of Addendum 1. Specific technical characteristics for addition and replacement of Ethernet switches and network configuration for the FTC institution. b. No, only the FTC, given that this institution has a specific network configuration strategy as specified in Addendum 1, clarification section 6.4. |
| 25 | Question 10 Referring to STR Section 4.12 states that all exterior equipment connected in the existing NEMA enclosures around the perimeter shall be IP66 and IP67 certified in order to withstand the weather conditions The answer provided to question 10 is not clear. It states <u>“Precisely, enclosure NEMA4X has been referring to IP 65”</u> This does answer what equipment, if any needs to be IP 66 or IP67. | A.2.25 No, only the cabinet itself. The inner equipments should be rated for exterior use even if it is confined in an IP65 cabinet. The camera enclosures need to be IP66 or IP67. |
| 26 | Question 14, Question 33 Referring to STR Section 4.20 refers to PIDS CCTV Monitors space requirements. Answer states 19 inch Chassis, however does not indicate the height available. Please indicate allowable height. Please provide dimensions of existing monitors. | A.2.26 The LCD monitors currently being used are 17 inches and in standard cabinets. Monitor format is limited in order to retain ergonomics for the MCCP positions. |
| 27 | Question 17, Question 89 Referring to STR Section 4.22, answer indicates a UPS runtime of 5 minutes for the UPS located in the field enclosures. However clarifications for section 4.12 states “Limited time coverage of 15 to 30 mins”. Are these two clarifications in conflict? What is the required runtime? | A.2.27 See A.2.11 |
| 28 | Question 32 At Cowansville, Port Cartier and Joliet, new enclosures are required. The question asks, “At what height should the enclosures be installed?” Answer states “Height off the ground”. The answer is not clear/complete, please provide a distance. | A.2.28 For maintenance reasons, the enclosures should not be more than 1.5 m off the ground because it would be very uncomfortable for a technician to work on them when doing preventive maintenance. These enclosures have to be monitored with a tamper-resistant alarm. This signal would be direct to the FAAS interface. |
| 29 | Question 34 Question refers to Drummond Institution and the ongoing ergonomic | A.2.29 No, bidders have to submit in the proposition a 42 inches monitor that will eventually split in QUAD for the PIDS purpose. |

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| | rearrangement of the M CCP. The answer is not clear if 4 new PIDS CCTV monitors are required or not. i.e. if they are already being provided by the other project. | |
| 30 | Question 36 Referring to the Genetec system upgrade, the answer is not clear. Please confirm what sites will require an upgrade to Genetec Omnicast 4.8. It appears that only Port Cartier and Donnacona will require the upgrade. Also what are the existing versions (including SR) at these sites? Are we to assume that all existing hardware is capable for running the latest version of Omnicast. | A.2.30 Port-Cartier has 4.2. Donnacona has 4.8. CSC require to upgrade Port-Cartier institution and all equipment are compatible with this newer version. |
| 31 | Question 52 ES/STD0601 is referenced, but it is not in section 2.2 nor included in amendment. Is compliance to ES/STD0601 required? If so please provide and indicate the applicable revision. | A.2.31 Answer A52 should have referred to ES/SPE-0409 section 3.3.3 and not to document ES/STD-0601. |
| 32 | Question 53, Question 76 Refers to FTC as-built and network layout drawings , STR Section 6.4. and two drawings related to FTC. . These are not attached as indicated. | A.2.32 See A.2.1 |
| 33 | Question 55 Refers to STR Section 2.2. Applicable Specs and Standards. Please provide an updated list including the revision and <u>provide the actual Specs.</u> | A.2.33 See A.2.1 |
| 34 | Question 73 Refers to STR Section 4.20, are 4 monitors required at Joliette? The answer including references to clarifications in section 6.2 are not clear if required for the base bid. | A.2.34 Joliette Institution uses two (2) monitors for perimeter CCTV functions. |
| 35 | Question 87 Refers to PIDS CCTV monitors, confirm typo and should say only the four (not the fourth) monitor. | A.2.35 Four (4). |
| 36 | Question 92 Refers to STR Section 4.15- Port Cartier, Joliette, and Cowansville sites require a new fiber back bone. STR Section 6.1 relating to the fiber installation at Cowansville states that a 24-strand cable shall be installed from the CER in the clockwise direction on the perimeter fence and another 24 strand cable shall be installed in the counter | A.2.36 How the fibre optics cable is distributed around the perimeter is left to the discretion of the participant in this call for tenders. Whether there are two half-loops or a single closed loop changes little for our maintenance services once the project has been completed. In sections 4.15 and 6.0, CSC defines the nature of the infrastructure. We want to have a simple and optimal solution in order to have a sound network distribution. CSC is looking for the best expertise available at minimum cost. |

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| | <p>clockwise direction on the fence.</p> <p>STR Section 6.2 relating to the fiber installation at Joliette states that two 24-strand cables shall run from the CER pass through existing conduit.</p> <p>STR Section 6.3 relating to the fiber installation at port Cartier states that a 24-strand cable shall be installed from the CER in the clockwise direction on the perimeter fence and another 24 strand cable shall be installed in the counter clockwise direction on the fence.</p> <p>Please confirm that a single fiber loop is required not two, and the fiber must start at the CER and end at the CER. i.e. if the contractor decides to use two 24 core fiber strands, they must meet making a complete loop.</p> | |
| 37 | <p>Question 95, Question 96</p> <p>Refers to STR Section 6.3 and 6.4., questions request that drawings referenced in STR to be provided, Answer states that they are annexed in the addendum. Please provide as they are not.</p> | <p>A.2.37</p> <p>See A.2.1</p> |
| 38 | <p>Question 97</p> <p>Refers to STR Appendix C. section on Fiber Backbone – indicates that 62.5/125 micron fiber exists at all locations except 50/125 micron fiber between switches. The original question from the bidder was regarding the impact, if any of having two different fiber types. Is there any impact on this project?</p> | <p>A.2.38</p> <p>For sites equipped already with perimeter fibre we will utilize what it has been implemented.</p> <p>For any additional fibre links the preference is 50/125 micron (Joliette, Cowansville, FTC and Port-Cartier). At present, following the existing configuration, there is no impact.</p> |
| 39 | <p>Question 98</p> <p>Restating the original question. Referring to STR Appendix C, 16 cameras locations are identified, but 18 cameras are indicated for replacement where are the other 2 cameras?</p> | <p>A.2.39</p> <p>The institution administers 18 perimeter cameras. They are fixed at the main entrance of the building for viewing delivery vehicles.</p> |
| 40 | <p>Question 99</p> <p>At Archambault, it's indicated that the 23rd camera is on tower 9 is this camera directly connected to the CER or if it is connected to a field enclosure which one.</p> | <p>A.2.40</p> <p>This camera covers from Tower 9 to the basement of control post "N". Then a converter transfers the signal by fibre optics to the CER. The distance from the tower to the basement of control post "N" is 500 m. A straight underground section runs from the tower to the conduit opening located in Building "S", inside courtyard (a distance of less than 200 m.). The rest of the run is through the conduit through underground sectors between buildings "S" and "N".</p> |
| 41 | <p>Question 100</p> <p>Drawings are not included, please provide. Specifically Fiber distribution and camera/enclosure distribution for all sites if not already provided.</p> | <p>A.2.41</p> <p>See A.2.1</p> |

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| 42 | Question 101 Refer to STR section 4.12. Clarify that IP66 and IP67 is not required for equipment going in the Enclosure, you are just looking for equipment to be rated for temperature as indicated. | A.2.42 The equipment that you plan to install in the NEMA4X cabinets must be equipment made for an outside environment (generally resistant to temperatures between -40 and 80°C). The IP66 or IP67 specification only concerns water resistance, which is pointless after they are placed in a NEMA enclosure. |
| 43 | Drawing for LaMacaza shows 4 PIDS CCTV Monitors and 1 PIDS CCTV Maintenance Monitor. Does this site and any of the others require a 5 th monitor for the maintenance monitor to be upgraded as part of this project? | A.2.43 Only four (4) PIDS CCTV monitors need to be replaced. Joliette institution requires only two (2) PIDS CCTV monitors. |
| 44 | In Amendment 4 clarification Section 6.2 indicates new conduits to be installed to take fibers outside building F to the perimeter fence near the exterior exit 7. On the drawing on page 20 of Amendment 4 building F is not the same as the Building F on the drawing with Amendment 5. Which is correct, and where is Exterior exit 7 located neither drawing shows it. | A.2.44 Building F is properly represented on the attached drawing which also indicates the location of exterior exit 7. |
| 45 | For Joliette, the drawing attached with amendment 5 shows the locations of the cameras. Only 16 cameras are shown, Amendment 4 states 18 cameras. It appears that the two missing cameras are on Building F and may not have been displayed as the 11X17 page was made into two 8.5X11 can the drawing from amendment 5 be resent as a single page ensuring the location of all 18 cameras are confirmed. Amendment 4 also indicates + C25 project, what does this mean, are there extra cameras to be added? | A.2.45 The estimate should be limited to 18 cameras for this site. |
| 46 | Please confirm the number of cameras & spare cameras and enclosures & spare enclosures to be provide as table in appendix B is incorrect. The total spare enclosure does not add up. The grand total of cameras does not equal the total installed and spares and it appears that some of the quantities do not match drawings and specs. | A.2.46 A single correction to the table in Appendix B concerning Joliette Institution for a total of 18 cameras and enclosures to be installed. The number of spares is accurate. |
| 47 | For Archambault, STR Appendix C indicates 23 cameras. 22 are listed as connected to existing field enclosures with Fiber back to CER. The drawing included in amendment 5 only shows 20 and states that box 6 is future. Have the other 2 cameras been added to CCTV | A.2.47 See A.2.40. 23 cameras must be supplied and installed. The drawings provided show only the method of installation and do not provide an inventory table for the system. |

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| | Box 6 after the drawings were made? Amendment 4 indicates that the 23 camera is on tower 9. Is that camera connected directly to the CER if not, which field enclosure does it go to? | |
| 48 | For Donnacona the drawing attached to amendment 5 shows 24 PIDS cameras connected to the existing AXIS video Encoder, the STR Appendix C indicates there are 25 cameras and the 25th camera is direct to the CER. Is that camera the SIDS CAM 1, if not how does it get encoded, or is there only 24 Cameras? What is the breakdown of cameras per enclosure? The drawing attached to amendment 5 is not clear. | A.2.48 The difference in the information between Appendix B and Appendix C may be because there is a camera in the inventory indicated as a spare. Please consider that you will probably have 25 cameras and enclosures to install as indicated in the table in Appendix B. |
| 49 | For Drummond, confirm that STR Appendix C is incorrect it indicates 16 cameras (4 per perimeter enclosure and 2 direct to CER). The drawing included in amendment 5 shows 18 cameras connected to 6 perimeter enclosure and no direct cameras to CER. | A.2.49 For the purposes of calculating your bid proposal, the answer to this question is the same as for A.2.48. Also see A.2.39 |
| 50 | For Port Cartier the drawing attached to amendment 5 shows 24 PIDS cameras connected to the existing AXIS video Encoder, the STR Appendix C indicates there are 25 cameras, 23 are connected to the CER via Fiber and the 24 th and 25th cameras are direct to the CER. What is the breakdown of cameras per enclosure? The drawing attached to amendment 5 is not clear. | A.2.50 The contractor will have to plan certain network ports available in each of the interconnection nodes to retain the good design practices needed for maintenance. The installations should be limited to just the number indicated in the inventory to be supplied. Each perimeter node should have no more than 10 perimeter cameras or network ports. Plan to supply and install 25 cameras as indicated in Appendix B. |
| 51 | Related to question 6 and 9, at the site visit it was indicated that Donnacona and Port Cartier had the same layout. The STR Appendix C indicates that they have different layouts (# of cameras connected to each tower is not the same) Please provide an accurate drawing showing the site layouts. | A.2.51 Refer to Appendix B according to which 25 cameras must be supplied and installed, like at Donnacona. The perimeter is square and has the same dimensions as at Donnacona. Only AXIS encoders were installed at Port-Cartier in the CER premises and this is why fibre optic distribution must be done using the existing NEMA housings and conduits at this site. CSC was unable to find a relevant drawing. |
| 52 | For RRC the drawing attached to amendment 5 indicates 23 cameras connected to 5 different towers. The STR Appendix C indicates there are 25 connected to these same 5 towers and 2 directly to the CER. Please confirm which is correct | A.2.52 Refer to the table in Appendix B. |
| 53 | There is no drawing for Cowansville, please provide a site layout. | A.2.53 CSC was unable to find a relevant drawing. |

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| 54 | For FTC, the STR indicates 44 cameras. The drawing in amendment 5 shows 46 cameras. Please confirm the number of cameras. Also please provide the distribution of cameras to the towers enclosures and directly to CER. Drawing is not clear. | A.2.54 The drawings are intended as a guide only as no drawings have been made for CSC during previous mandates. Appendix B of the STR specifies 44 cameras/enclosures + 6 spare cameras. This should meet the need. |
| 55 | Amendment 4 provided a table on page 4 that describes the equipment and interconnection for existing switches at FTC this table is not clear as it appears that a number of cameras are not included. Also the locations of the switches are not provided or clear. Please provide clarification. | A.2.55 Addendum 1, FTC clarification section, presents a picture of the work that the contractor must supply/install: a complete network distribution independent of existing infrastructures. Ethernet switches, PoE media converters and a new distribution configuration for the fibre optic network must be included in the proposal to CSC for this institution. See A.2.23 |
| 56 | For FTC the Number of switches and number of ports for the switches required is unclear. | A.2.56 See A.2.55 – <i>not same for all sites!</i> |
| 57 | For FTC , confirm the temperature and environmental rating required for the switches that will be located in the four corner guard tower | A.2.57 See A.2.42 |
| 58 | For FTC, Amendment 4 page 22 last paragraph describes the removal of the NEMA enclosed switches along the perimeter wall. Please provide the distance from the distance from cameras located in the middle of the perimeter walls to the tower. Also this indicates that only 2 cameras (one FDS and one MDS) would be run back to the tower using PoE Extenders. Should it not be 4 cameras per tower (2 FDS and 2 MDS) for towers 2,3 and 4 and only 2 cameras to tower 1 that require the PoE Extender (not including the sally port cameras (assuming they are within 90 meter of the towers). | A.2.58 See A.2.23 and A.2.55 The approximate distance from tower to tower is 300 m. This distance is marginal for direct category 5 or 6 cabling for the mid-perimeter cameras. The perimeter observation strategy at each end is defined in the ES/SPE-0409 technical specification. However, an additional camera is needed because of the blind spot created by the towers themselves as the drawing provided as a guide shows. CSC does not have any specification for the position of the cameras at mid-perimeter. One camera should serve to activate the FDS and another, the MDS. |
| 59 | Clarify that the contractor is to add 1 loop of 24 core OM fiber around the perimeter of FTC. If so please provide the length, and indicate if conduits are available, or a proposed routing. | A.2.59 The perimeter loop is equipped with a fixed cable enclosure at the height of the fortified walls of this institution, as seen during the bidders' visit. |

END OF ADDENDUM