

**Correctional Service Canada
Technical Services Branch
Electronics Systems**

**Issue 2
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**ADDENDUM TO THE STATEMENT
OF
TECHNICAL REQUIREMENTS
FOR THE ADDITION
of
CCTV MONITORS in RANGE OFFICES
at
JOYCEVILLE INSTITUTION
(MEDIUM SECURITY LIVING UNITS)**

AUTHORITY

This Statement of Technical Requirements is approved by the Correctional Service of Canada for the upgrade of the existing CCTV System at Joyceville Institution Medium Security Unit.

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Approved by:

Director, Electronic Security Systems

This addendum is to address discrepancies in the original specification for the deployment of UPS power in this project.

Original STR Section 4.9 is to be changed to the following:

4.9 Uninterruptible Power Supplies

- 4.9.1. The contractor must replace the existing rack mount uninterruptible power supply (UPS) located in the electronics equipment cabinet in JVJ03-5 RM SC508, with a floor model free standing UPS. This UPS will be fed from the AC panel in RM SC508. This UPS will provide power for all 4 network switches, 8 CCTV clients and 16 CCTV monitors.
- 4.9.2. The UPS must be connected to a 10 circuit breaker panel.
- 4.9.3. The contractor will provide 2 circuits (each with a single gang receptacle) into the existing CCTV cabinet in room SC508.
- 4.9.4. The contractor must provide a new conduit through the attic to the top of the range offices tower and down through the range offices providing a double gang receptacle in each range office to support the monitors and clients to be installed in each office as previously identified in the original Statement of Technical Requirements.

Original STR Appendix C is to be changed to the following:

4. CAT6 Cabling:

- 4.1. The contractor must install 8 new CAT6 cable runs into the existing conduit infrastructure to provide a new CAT6 RJ 45 jack in each of the 8 range office detailed in Appendix D.
- 4.2. The contractor must terminate and label all existing CAT6 cable in the CCTV cabinet in JVJ03-5 RM SC508 onto CAT6 patch fields, and provide CAT6 patch cables to connect all terminated edge devices to their respective switches. All cable will be supported by strain relief rails and secured with Velcro cable ties.
- 4.3. The contractor must utilize the existing empty conduits from room SC508 to the JB located in the attic above the range offices. The contractor must install new conduit from the JB in the attic above the range offices down through each range office to provide a single gang CAT6 termination in each of the 8 identified range offices.

5. **UPS**

- 5.1. The contractor must replace the existing rack mount uninterruptible power supply (UPS) located in the electronics equipment cabinet in JVJ03-5 RM SC508, with a floor model free standing UPS. This UPS will be fed from the AC panel in RM SC508. This UPS will provide power for all 4 network switches, 8 CCTV clients and 16 CCTV monitors. This UPS will provide 20 minutes run time for all equipment connected to the breaker panel to be provided under this contract.
- 5.2. The supplied UPS will provide network reporting of status and will be programmed into the FAAS computers in the MCCP console to report UPS failure, line-power failure, and low battery conditions to the MCCP operator.
- 5.3. The requirement for new UPS to be installed into JVJ03-B rooms 003 and 008 is removed from this contract requirement.

6. **Electrical**

- 6.1. The requirements detailed in section 6.1 of the original STR are removed from this contract requirement.

Power distribution detail for range monitors:

Power distribution for Range CCTV monitors and equipment cabinet

