
shall be strictly complied with for all electronic security measures.

22.02 Electronic Access Control System (EAC)

Electronic Access Control systems shall be as set out on the SDFs, however the final EAC system for the building shall be determined during design development in consultation with the CLF Security & Traffic Manager.

All doors controlled by the EAC systems will be connected to and controlled by the Gallagher CCFT Server located at the Nathan campus via Gallagher Controllers located in the building.

All Controllers installed in new buildings or refurbishments are to have 30% minimum spare capacity for future expansion.

The whole of the EAC system installation shall be carried out strictly in accordance with the requirements of the 'Security Systems Specifications & Guidelines'. All equipment provided shall be in accordance with the list contained in Appendix 1 to that document unless otherwise

- x Be capable of continuous operation and not require manual activation during or before an incident to commence recording.
- x Be able to record high quality pictures of every person who comes in through the view of a camera in the system. High quality pictures shall mean that individuals passing through the view of a camera in the system may be easily identified from those pictures.
- x Provide general coverage of all the areas as indicated by the fields of view marked on the security system plan for the building / area or as specified by CLF Security & Traffic Manager.
- x Storage capacity to be minimum of 30 days.
- x All equipment complies with the requirements of the 'Security Systems Specifications & Guidelines'.
- x The equipment is installed in accordance with the requirements of the 'Security Services Specifications & Guidelines'.

22.03.03 System Components

Install all power supplies, mounting brackets, sundry items required for the efficient operation of the CCTV system and to the approval of the CLF Security & Traffic Manager.

Setup and program the system so that all cameras are simultaneously recording and can be replayed on the digital recording equipment, each camera rendering clear images and meeting all requirements of the 'Security Services Specifications & Guidelines'. As part of the installation and commissioning of the system, all DVRs are to be networked into the GU data network for remote management.

As a basic standard (and unless otherwise specified) the CCTV Control Equipment will be configured to record 24 hours / 7 days. The CCTV Control Equipment will record 12 ½ frames per second and be on a 28-day cycle of hard drive write over. Any variations to this standard shall only be approved in writing by CLF.

All entrance / exit points to a Learning Centre and all areas containing computers within the Centre, need to be monitored by security cameras with recording ability.

22.04 Security Phones

Security phones shall be required in the following locations for each building;

- x Main building entry (externally)
- x Main building foyer
- x Lift cars
- x Learning Centre entry (externally)
- x Main foyer on each level adjacent to the lifts

Additional phones shall be provided in locations as determined by the CLF Security & Traffic Manager.

Phones shall be mounted 1200 mm above finished surface level.

The Contractor shall provide all necessary cabling to the nominated locations in accordance with the requirements of Section 21.00 Communication & Data Services .

The Security phone handsets shall be supplied and installed by GU.

22.05 Carpark Barrier Gates

Where access control is required to carparks by the CLF Security & Traffic Manager, an automatic electrically operated barrier gate equal to 'Magnetic Control MAGSTOP MIB30/MIB40' shall be provided.

The barrier gate shall be connected to the EAC system, and shall be fitted with a voice communications unit to enable remote activation by campus security for authorised casual carpark users.

The installation of the barrier gate shall include all concrete foundations, electrical, communications and security services connections in accordance with the requirements of Sections 20.00, 21.00 and this Section.