

Overview

This NOS sets out the skills, knowledge and understanding for you to commission electronic security systems.

This NOS covers the following activities:

1. Commission electronic security systems taking cognisance of operational requirements and standards required by other agencies.

Performance criteria

You must be able to:

P1 identify the presence of electrical supply, into and inside, electronic security systems equipment in a safe manner that complies with the current regulatory requirements and industry best practice

P2 isolate incoming supply to electronic security systems in a safe manner that complies with the current regulatory requirements and industry best practice

P3 confirm the installation complies with the specification and significant requirements of other agencies

P4 make sure you have all the relevant documents and information you need to commission systems

P5 commission systems in accordance with the specification

P6 take suitable action to minimise potential disruption to customers' and other relevant third parties' normal work activities

P7 take action to deal with any problems that may arise during commissioning operations

P8 complete commissioning documents in accordance with the specification

P9 confirm that system is ready for handover

Knowledge and understanding

You need to know and understand:

K1 current relevant legislation, regulations, standards and codes of practice relating to the commissioning of electronic security systems

K2 what information you need to confirm systems are ready to be commissioned, and from where you get this information

K3 how to confirm that systems and their performance meet the specification

K4 the operation of the systems that you commission

K5 the processes and procedures you must use to bring systems into operation, and why you must apply them, including completing commissioning documents and compliance with significant requirements of other agencies

K6 how to communicate and work with other people

K7 what actions you can take to minimise disruption to customers and third parties

K8 what action you can take to deal with problems that arise during commissioning operations

K9 why you need to identify the presence of electrical supply and how it can be isolated safely

K10 sufficient relevant transmission and system components theory for you to interpret the results of the tests you carry out

K11 the technical knowledge and experience required to safely isolate an electrical supply including:

(a) adequate knowledge of electricity;

(b) adequate experience of the electrical work being carried out;

(c) adequate understanding of the system to be worked on and practical experience of that class of systems

(d) understanding of the hazards which may arise during the work and the precautions which need to be taken;

(e) the ability to recognise at all times whether it is safe for work to continue.

Scope/range

Competency must be demonstrated in two of the seven areas including at least one of the core areas:

Core areas

- Intruder
- Fire Alarm
- CCTV
- Access Control

Other areas

- Nurse Call
- EAS Systems
- Cloud Based System

Glossary

In these National Occupational Standards;

Electronic security systems: a generic term that includes: intruder, fire, cctv, access, remote monitoring systems and other types of protective installations. It also encompasses the integration of existing and new systems.

electrical supply systems: supply to the system components, such as primary and secondary supplies

specification: the specific detail containing design, installation, commissioning or maintenance requirements

systems: a set of components working together as an interconnecting network. For example (but not exhaustive) new installations; extensions; modifications

transmission: the means by which system components communicate. This includes, for example: wired, wireless, Bluetooth, networking

Commission electronic security systems

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