

## 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

---

<b>Developed by</b>	Skills for Security
---------------------	---------------------

---

<b>Version Number</b>	2
-----------------------	---

---

<b>Date Approved</b>	October 2018
----------------------	--------------

---

<b>Indicative Review Date</b>	October 2023
-------------------------------	--------------

---

<b>Validity</b>	Current
-----------------	---------

---

<b>Status</b>	Original
---------------	----------

---

<b>Originating Organisation</b>	Skills for Security
---------------------------------	---------------------

---

<b>Original URN</b>	SFS SYS 12
---------------------	------------

---

<b>Relevant Occupations</b>	Elementary Occupations; Elementary Security Occupations
-----------------------------	---

---

<b>Suite</b>	Electronic Security Systems
--------------	-----------------------------

---

<b>Keywords</b>	commission; handover; electronic; security; systems; operation; customer; specification; commissioning; configuration;
-----------------	--

---