
Overview

This NOS sets out the skills, knowledge and understanding for you to review drawings to produce designs and specifications of electronic security systems and their installation.

This NOS covers the following activities:

1. Review drawings to collect information for the design, installation and maintenance of electronic security systems
2. Produce designs and specifications of electronic security systems and their installation

Performance criteria

You must be able to:

Review drawings to collect information for the design, installation and maintenance of electronic security systems

P1 confirm you have all the necessary and correct details of customer requirements to review drawings

P2 recognise and record accurate and relevant factors and site characteristics that could impact on designs, specifications and installation

P3 record relevant accurate details and data on which designs and specifications can be produced and installations can be carried out

P4 carry out reviews in line with relevant codes of practice

P5 maintain the confidentiality of information, sites and systems in line with current relevant legislation, standards and codes of practice

Produce designs and specifications for electronic security systems and their installation

P6 confirm that you have sufficient correct information and have had relevant consultations to design and specify systems that meet customers requirements

P7 design systems that meet required performance using data and information provided through surveys

P8 produce system designs and specifications that optimise costs and that are appropriate to installation sites

P9 provide designs and specifications which enable successful installation and operation of systems

P10 produce designs and specifications for systems that meet the requirements of relevant legislation, regulations, standards and codes of practice

P11 provide designs and specifications in agreed formats, within required timescales and to the appropriate person

P12 identify specialised contractors where required

P13 obtain or produce approvals and certification required

Knowledge and understanding

You need to know and understand:

Legal and Organisational requirements

K1 current relevant legislation, regulations, standards and codes of practice relating to the system to be installed

K2 current relevant laws, regulations, standards and codes of practice relating to the installation and operation of systems

Review drawings to collect information for the design, installation and maintenance of electronic security systems

K3 the details you need for preparing system designs and specifications, and from where to get these details

K4 why you must have accurate and up to date details of systems, sites and customer requirements

K5 when you might need to liaise with other people to review drawings

K6 how to read and interpret architectural and similar drawings take appropriate measurements and record relevant details of reviews

K7 how to recognise factors that could affect system installation or operation, and how to record the details fully and accurately

Produce designs and specifications for electronic security systems and their installation

K8 why it is important to have and use sufficient valid, accurate and up to date information from surveys

K9 the limits, constraints and capabilities of organisations involved in the installation and operation of systems

K10 the performance, limitations, cost and availability of systems, equipment transmission and system components that you could specify in your designs

K11 formats of and information required for designs and specifications

K12 typical timescales and activities involved in the installation of

systems, including manpower requirements

K13 how to communicate and work with other people

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.

sites: premises of installations. For example (but not exhaustive) commercial; industrial; retail; domestic; governmental

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

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

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