

SFS SYS 8 (SQA Unit Code - H4H0 04)

Make preparations and arrangements to install electronic security systems



Overview

This NOS sets out the skills, knowledge and understanding for you to confirm pre-installation preparations and arrangements for electronic security systems.

This NOS covers the following activities:

1. Confirm plans and agreements for installation
2. Confirm availability of equipment and materials
3. Contribute to the preparation of installation

SFS SYS 8 (SQA Unit Code - H4H0 04)

Make preparations and arrangements to install electronic security systems

Performance criteria

Confirm plans and agreements for installation

- You must be able to:*
- P1 confirm working arrangements with customers and third parties where necessary, that are mutually acceptable
 - P2 confirm access arrangements are suitable for installation staff, equipment and vehicles where required
 - P3 confirm the availability of health and safety documentation that should be present on site
 - P4 confirm the availability of suitable public services and site facilities that you need during installation work
 - P5 make sure you have all the necessary information you need to carry out the installation
 - P6 anticipate and plan contingency action to deal with potential problems with installation work

Confirm availability of equipment and materials

- You must be able to:*
- P7 confirm that all system equipment and materials needed for the installation are available in accordance with the specification
 - P8 confirm that all necessary tools and equipment are available, in good working order, are suitable for the job and comply with relevant safety requirements
 - P9 confirm that all relevant test equipment is available and has a current calibration certificate
 - P10 report the details of faulty or dangerous tools or equipment to the relevant person
 - P11 make sure you have all the necessary documents required to carry out the installation
 - P12 deal with any discrepancies in the availability of the correct system components, equipment, tools or documents before starting installation work

Contribute to the preparation of installation

- You must be able to:*
- P13 confirm locations of transmission and system components comply with those specified
 - P14 select suitable fixing methods that are appropriate to sites, building materials, regulations, standards and codes of practice
 - P15 set up safe and secure work areas that are convenient to installation, staff and customers, using barriers and signs as appropriate
 - P16 erect temporary access equipment in line with safe practice, regulations and customers' restrictions
 - P17 anticipate problems in preparing for the installation and resolve them

SFS SYS 8 (SQA Unit Code - H4H0 04)

Make preparations and arrangements to install electronic security systems

promptly in line with your organisations' procedures and guidelines

P18 safely identify the presence of electrical supply, into and inside, electronic security systems equipment

P19 identify the means for safe isolation of electrical supply systems

SFS SYS 8 (SQA Unit Code - H4H0 04)

Make preparations and arrangements to install electronic security systems

Knowledge and understanding

You need to know and understand:

Legal and Organisational requirements

- K1 current relevant legislation, regulation, standards, codes of practice and guidelines relating to working on sites to install systems
- K2 why it is important to confirm the availability of health and safety documentation and their requirements
- K3 the relevant health and safety requirements for working on the site

Confirm plans and agreements for installation

You need to know and understand:

- K4 why it is important to confirm and agree working arrangements with customers and third parties
- K5 why it is important to confirm suitable access for staff, equipment and vehicles
- K6 the requirements of safe and secure storage of equipment and materials
- K7 what information you require to carry out the installation, and what to do if it is not all available to you
- K8 how to communicate with customers and third parties

Confirm availability of equipment and materials

You need to know and understand:

- K9 why it is important for the correct transmission and system components are correct and available, and how to confirm this
- K10 why it is important to check the safe and correct operation of tools and equipment, how to do this and how to deal with any that do not meet requirements
- K11 why it is important to know what test equipment is required for the relevant completion tests
- K12 the capabilities and limitation of the tools and equipment that you use, and why it is important to use the correct tools and equipment
- K13 why it is important for all test equipment to have a current calibration certificate
- K14 what documents you need to install systems and how you must use them

Contribute to the preparation of installation

You need to know and understand:

- K15 how to relate physical locations for transmission and system components to technical documents
- K16 the different devices and methods for fixing transmission and system components to the building materials
- K17 the different temporary access equipment available, and how to erect and use them safely

SFS SYS 8 (SQA Unit Code - H4H0 04)

Make preparations and arrangements to install electronic security systems

- K18 why it is important to set up safe and secure work areas, including for equipment and tools
- K19 how to discuss and negotiate work arrangements with customers, to achieve mutual satisfaction
- K20 why you need to identify the presence of electrical supply and how it can be isolated safely

SFS SYS 8 (SQA Unit Code - H4H0 04)

Make preparations and arrangements to install electronic security systems

Glossary

In these National Occupational Standards;

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

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 as an interconnecting network. For example (but not exhaustive) new installations; extensions; modifications

transmission: the interconnection of system components. For example (but not exhaustive) wired, wireless, networking

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