

SUMEID01 Implement Safe Site Working Practices when Working in Dwellings



Overview

This standard is for those confirming the preparation to undertake electrical installation work in a dwelling. They will implement and/or monitor safe working practices and this means confirming that the work site is safe to start work and that it remains safe during work and is safe on completion of the job.

This standard is about monitoring the safety of the site at all times including at the end of the day and at the end of the work. It is also about assembling, positioning and operating access equipment in accordance with safe work practices.

Performance criteria

- You must be able to:*
- P1 confirm that the site is safe to start work
 - P2 monitor regularly that the working conditions remain safe for work to occur
 - P3 check that warning notices and barriers to prevent unauthorised entry are installed in suitable positions
 - P4 confirm a programme of work which is safe and practical in accordance with the identified category of electrical installation work to be undertaken
 - P5 identify when it is appropriate to use approved access equipment on the work site
 - P6 ensure that the access equipment is operated correctly and according to suppliers' instructions
 - P7 check that on completion of work all tools, equipment and materials on site are
 - P7.1 removed, and
 - P7.2 stored safely and securely
 - P8 check the work site is cleared after the work ends and is left in a safe and satisfactory condition in accordance with health and safety regulations and good housekeeping practice

Knowledge and understanding

You need to know and understand:

Health and Safety

- K1 The regulatory requirements for correctly storing tools, equipment and materials
- K2 The regulatory requirements for using approved access equipment
- K3 When a work site is safe for work to proceed or to leave when work finishes
- K4 Your legal responsibilities for health and safety as required by the Health and Safety at Work Act and the Electricity At Work Regulations appropriate to site working
- K5 The need for safety, welfare and access arrangements to be in force at the site
- K6 Use, care and storage of substances covered by COSHH

Working on site

You need to know and understand:

- K7 The importance of “housekeeping” procedures in relation to site working
- K8 The importance of following correct procedures to minimise damage to property, fabric and equipment.
- K9 The implication/impact of the Building Regulations(England and Wales) on safe site working

Additional Information

Glossary

These National Occupational Standards identify the level of competence that is required by individuals who have the responsibility on a day-to-day basis for the safety, technical standard and quality of “Full Scope” and/or “Defined Scope” electrical installation work in “Dwellings”

1. Electrical Installation Work in a “**Dwelling**” includes work in;
 - 1.1. Houses or flats
 - 1.2. “Dwellings” and business premises that have a common electrical supply – e.g. shops or public houses with a flat/living quarter as part of the main structure
 - 1.3. Common access areas in blocks of flats such as corridors and staircases
 - 1.4. Shared amenities of blocks of flats/bedsits such as laundries, kitchen or WC
2. These National Occupational Standards **DO NOT** apply to a “room (s) for residential purposes” which is used by one or more persons to live and sleep in, including rooms in hotels, hostels, boarding houses, halls of residence and residential homes.”
3. These National Occupational Standards **APPLY** to electrical installations that are intended to operate at low or extra-low voltage (BS7671) and are;
 - 3.1. in or attached to a “Dwelling”
 - 3.2. in the common parts of a building serving one or more “Dwellings”, but excluding power supplies to lifts
 - 3.3. in a building that receives its electricity from a source located within or shared with a dwelling
 - 3.4. in a garden or in or on land associated with a building where the electricity is from a source located within or shared with a “Dwelling”
4. Electrical Installation Work is the design, installation, inspection and testing of electrical systems and equipment in “Dwellings”, as a whole system or part thereof located on the consumers side of the electricity supply.
Electrical systems and equipment includes;
 - 4.1. Equipment - apparatus/components, accessories switch-gear, distribution panels, consumer units, control systems, cables/cable carriers and luminaires that are fit purpose for an electrical installation in a “Dwelling”
 - 4.2. Wiring systems – An assembly made up of cable or busbars and parts which secure and, if necessary, enclose the cable or busbars, for example multi-core and single core cables with PVC, XLPE or LSF insulation and sheathing, M I cables with or without PVC/LSF sheathing and SWA cables with PVC, XLPE or LSF insulation and sheathing, conduit, trunking and tray
 - 4.3. Accessories - devices, other than current-using equipment, associated with such equipment or with the wiring of an installation
 - 4.4. Appliance - an item of current-using equipment other than a luminaire or an independent motor

5. The categories of Electrical Installation Work in “Dwellings” are;
 - 5.1. Full Scope (Level A) “Electrical Installation Work” includes the design, installation, inspection and testing of electrical installation work that is associated with dwellings and is intended to operate at a voltage that does not exceed low-voltage
 - 5.2. Defined Scope (Level B) “Electrical Installation Work” that is limited to the design, installation, inspection and testing of defined electrical installation work intended to operate at a voltage that does not exceed low-voltage that is associated with dwellings and is undertaken in connection with, or ancillary to some other work
6. Defined Scope Electrical Installation Work in “Dwellings” can be;
 - 6.1. Plumbing
 - connection of an “Appliance” flex into a fused Spur Unit
 - additions to and extensions of certified fixed wiring systems
 - replacement of accessories and equipment – e.g. double-pole switch for a shower-unit to a pre-installed supply cable/outlet
 - 6.2. Gas installation work (Similar to plumbing)
 - 6.3. Installation of oil-fired combustion appliances;
 - 6.4. Installation of solid fuel burning combustion appliances;
 - 6.5. Installation or refurbishment of kitchens, bathrooms or bedrooms;
 - 6.6. Stair-lift installation work;
 - 6.7. Air conditioning installation work;
 - 6.8. Installation of domestic extractor fans;
 - 6.9. Installation of security systems;
 - 6.10. Installation of telecommunications systems;
 - 6.11. Installation of door or gate entry systems;
 - 6.12. CCTV systems;
 - 6.13. Property maintenance.
 - 6.14. Spa bath installations
 - 6.15. Swimming pool installations
7. A Competent Person is a person with sufficient technical knowledge and competence to undertake the identified “Electrical Installation Work” in “Dwellings” in terms of preventing danger, the risk of injury and be able to render “Electrical Installation Work” fit for purpose in terms of the identified scope of work
8. Qualified Supervisor - a competent person with specific responsibility on a day-to-day basis for the safety, technical standard and quality of “Full Scope” electrical installation work in “Dwellings”
9. Responsible Person - a person who is competent to do electrical work and has specific responsibility on a day-to-day basis for the safety, technical standard and quality of “Defined Scope” electrical installation work in “Dwellings”
10. **Principal Duty Holder** - can be a person who is appointed by the enterprise to have responsibility for the maintenance of the overall standard and safety of electrical installation work in “Dwellings”

SUMEID01

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Developed by SummitSkills

Version number 1

Date approved January 2006

Indicative review date January 2018

Validity Current

Status Original

Originating organisation SummitSkills

Original URN EDI01

Relevant occupations Plumbers;

Suite Ensuring the Compliance of Electrical Installation Work in Dwellings with the Building Regulations (England & Wales)

Key words Electrical installation; Dwellings and Business Premises with a common electrical supply; Houses; Flats; Shops; Public houses;