
Overview

This standard is for a person carrying out the inspection and testing of the installed electrical wiring systems and equipment and/or accessories in "Dwellings" in accordance with the identified category of electrical installation work and its specification.

This standard is about Implementing the correct procedures for the inspection and testing of electrical installation work in "Dwellings"

Performance criteria

You must be able to:

1. confirm that the electrical wiring system, equipment and accessories to be inspected and tested are in accordance with the electrical installation work specification
2. apply safe working practices including the identification of health and safety risks relating to the inspection and testing of electrical wiring systems and equipment and accessories
3. confirm that safe isolation in accordance with industry approved methods as appropriate, has taken place before inspection and/or testing activities are undertaken
4. check that connections are:
 - fit for purpose
 - mechanically and electrically sound
 - comply with the IEE Wiring Regulations (BS7671)
 - in accordance with the specification
 - correct and clearly identified
5. undertake, in accordance with the specification, inspection and testing of the connected electrical wiring system and equipment
6. complete any necessary documentation related to the electrical installation work:
 - legibly
 - accurately
 - within given timescales
 - in accordance with organisational and regulatory requirements
7. confirm that the work you have carried out meets the requirements of the specification and as appropriate the Building Regulations (England and Wales)

Knowledge and understanding

You need to know and understand:

1. the main types, their advantages and limitations of different electrical connections
2. the procedures for the connection of the circuits under inspection
3. how to interpret diagrams and drawings to facilitate the connection, inspection and testing of electrical wiring systems and equipment in "Dwellings"
4. the procedures for proving a connection is mechanically and electrically sound
5. methods of establishing that connections in circuits and protective conductors, including connections to terminals, are fit for the purpose for which they are being used
6. the requirements of joints and connections to be of a capacity and conductance to allow for the passage of fault currents and to prevent corrosion
7. the application, advantages and limitations of different electrical wiring systems, equipment and accessories in "Dwellings"
8. the advantages and limitations of different methods for the inspection and testing of electrical wiring systems, equipment and accessories in "Dwellings"
9. the advantages, disadvantages and limitations of instruments used to confirm that electrical connections are fit for purpose and mechanically sound
10. the importance of calibrating instruments at regular intervals
11. organisational procedures for confirming the completion of the inspection and test work and completion of necessary documentation
12. the importance of using personal protective equipment and safe appropriate tools for inspection and testing activities
13. safe isolation procedures before inspection and/or test work is undertaken
14. industry approved practices and instruments for confirming a supply is not present
15. the procedures for reporting any potentially dangerous situations or incidents to relevant people
16. your legal responsibilities for health and safety as required by the Health and Safety at Work Act, the Electricity At Work Regulations and all other relevant rules, regulations, standards and safe working practices appropriate to working in "Dwellings"
17. the principles of electrical theory and installation practices which allow for the safe and efficient inspection and testing of electrical wiring systems and equipment

BSEECD04

Inspect and Test Identified Electrical Wiring Systems and Equipment In
Dwellings



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Glossary

BSEECD04

Inspect and Test Identified Electrical Wiring Systems and Equipment In Dwellings



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Suite	Electrotechnical
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