

18th Edition Wiring Regulations (BS7671:2022)

Duration 3 days

Target group Electrical professionals needing up-to-date knowledge of BS 7671 regulations, including protection, installation standards, and recent changes from the 17th edition.

Prerequisites No formal requirements – a solid understanding of electrical installations and electrical science is recommended

Objective

- Compliance with legislation.
- Better documentation, communication and enforcement of safe working procedures.

Contents Upon successful completion of this course individuals will be conversant with the format, content and the application of the Requirements for Electrical Installations (BS7671: 2018) 18th Edition Regulations.

Key learning points:

- The terminology used for electrical installations.
- The assessment of the installation that has to be carried out.
- Protection against electric shock.
- Protection against short-circuit currents.
- Isolation and switching.
- Protection against overloads.
- Sizing conductors for the above.
- Selection and erection of equipment.
- Sizing of earthing and protective conductors.
- Outline of the rules for inspection and testing.

Changes from the 17th edition

Changes for 18th Edition are suggested to be as follows:

- Protection against over voltages - Clause 443 is likely to be overhauled.
 - Protection against fire - Chapter 42 will be updated with extra information on arc fault detection.
 - Electrical Embedded heating - Section 753 will be extended to include embedded electrical heating systems for surface heating, and will include de-icing and frost prevention systems.
 - Energy efficiency - There will be a brand new section covering energy efficiency.
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Exam Learners are continually assessed, both in written and practical exercises, and there are opportunities to work with a wide range of equipment that will support their knowledge in the field. This course can be intense, as it includes evening work in terms of both the reading of course materials and completion of projects. An online examination is undertaken on the final day.