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9.1.10.1 Requirements.


The Electricity at Work Regulations (1989), & the Electrical Equipment (Safety) Regulations 1994 impose the following duties on the STRPS that it must:

- Have its electrical systems constructed in a way that prevents death or personal injury.
- Maintain its electrical systems as necessary to prevent death or personal injury.
- Undertake on a 5 yearly basis a detailed inspection by a competent person of the entire fixed electrical installation.
- Undertake on a risk assessed frequency the electrical safety testing by a competent person, of all the electrically powered portable equipment in use on the railway.
- Ensure that all work undertaken on its electrical systems is carried out in a way that prevents death or personal injury danger by the use of competent contractor / person.

9.1.10.2 Arrangements.

The STRPS complies fully with the Electricity at Work Regulations (1989) by:

- Having all electrical equipment, including fixed installations assessed to determine the requirements for testing and inspection & ensuring that such equipment is tested to the appropriate standards.
- Work on or near live equipment is not permitted unless it is technically impossible to carry out the work electrically isolated and only then by competent persons and following a detailed risk assessment and with a written procedure.
- For all other electrical work, or work in the vicinity of electrical circuits or equipment, an isolation and lock off system is in operation.
- Work on electrical installations is only undertaken by suitably technically trained and competent persons which in the case of the fixed 240v installation means that the person must be qualified in the IET 18th Edition Wiring Regulations.

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- No STRPS staff or volunteers are permitted to undertake any work of any description on the railway's 415v electrical installation – this work will always be done by a competent third party contractor.
- STRPS staff & volunteers are not permitted to modify, install, or interfere with any site electrical installations or equipment.
- All electrical wiring, switchboards and panels are enclosed within physical barriers or otherwise suitably protected against accidental damage or contact.
- The use of unauthorised electrical equipment anywhere on the railway is prohibited.

9.1.10.3 Applicable Legislation.

The Electricity at Work Regulations 1989.

Electrical Equipment (Safety) Regulations 1994.

9.1.10.4 References.

BS 7671 – 18th Edition, The IET Wiring Regulations.

HSG 85 Edition 3 2013 Electricity at Work – Safe Working Practices.

HSG 107 Edition 3 2013 Maintaining Portable Electrical Equipment.

INDG 231 Rev 1 04-2012 Electrical Safety & You – A Brief Guide.

9.1.10.5 Documentation.

Portable Equipment Inventory & Test Records.

Fixed Electrical System Inventory & Test Records.

STRPS Approved Contractors List.