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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 STR 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 STR 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.

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- STR 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.

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.

STR Approved Contractors List.