

NR/L2/ELP/27238/APP-E

Electrical installations and equipment

Appendix E

Electrical installations and equipment

E.1 Purpose

This specification states the maintenance requirements for electrical installations and equipment.

E.2 Scope

This specification is applicable to all low voltage wiring installations and equipment covered by the requirements of BS7671 which fall within the responsibility (as defined by the Asset Accountability Matrix) of the Head of E & P Engineering.

E.3 Reference documentation

See Document map PLT 05

E.4 Definitions

Competent Person	As defined in NR/SP/CTM/016 Training and Competence in Fixed Plant Engineering
User/Operator	A person using/operating the plant/equipment.
Testing Authority	A person or Company responsible for carrying out the electrical test and inspection work
Electrical installations	Installations at voltages up to and including 1000V a.c. and excluding any traction circuits.
Electrical equipment	Hand held, portable, stationary and fixed equipment supplied at voltages up to and including 1000V a.c. and excluding any traction circuits.

E.5 Maintenance requirements

E.5.1 General

All electrical installations and equipment covered by this specification shall be subject to routine maintenance in accordance with IET guidance for electrical maintenance.

E.5.2 Maintenance

The frequency and content of maintenance activities shall be decided following a review of any manufacturer's recommendations, and a risk assessment to prevent danger and to sustain operational availability and shall include an annual visual inspection.

All RCDs shall have an annual injection test with an approved RCD tester and shall have a label affixed stating date test carried out. The test results shall be recorded.

Following any maintenance activity, the results shall be analysed and the frequency of maintenance shall be reviewed and any actions taken on work arising.