

NR/L2/ELP/27238/APP-O

Non-traction High Voltage Electrical Equipment



Appendix O

Non-Traction High Voltage Electrical Equipment

O.1 Purpose

This specification states the minimum periodic maintenance requirements for non-traction high voltage electrical equipment so that the safety and reliability of railway electrical distribution systems is maintained.

O.2 Scope

This Company Standard applies to all non-traction high voltage electrical equipment in sub-stations and compounds on Network Rail owned infrastructure.

Equipment within such sub-stations and compounds that is the responsibility of the DNO is excluded from the scope of this specification

25 kV AC single-phase distribution, AC power supplies for DC traction systems and Overhead Line Equipment is excluded from the scope of this specification.

O.3 Reference documentation

See Document map PLT 08

O.4 Definitions

High voltage equipment

Circuit breakers, isolators, transformers, cables and associated protection devices and their power supplies.

Non traction HV

High voltage equipment that does not directly supply traction equipment.

High Voltage (HV)

Voltages exceeding 1000 V a.c. or 1500 V d.c. between conductors, or 600 V a.c. or 900 V d.c. between conductors and earth.