

## Overview

This standard is about carrying out maintenance on electrification and plant equipment and components and may also include inter-connections which may include preventative and corrective maintenance activities. The activities will be routine and may involve adjusting, replacing and dismantling electrification and plant equipment and components. The types of equipment, components and inter-connections may include:

- conductors (overhead wires and rails)
- support and registration assemblies
- in span equipment such as section insulators and neutral section
- contact and catenary wire
- earthing and bonding cables and connectors
- insulators
- foundations
- support structures such as masts and portals
- droppers

These may also be in one or more of the following areas:

- structural
- mechanical
- electrical

The equipment, components and interconnections will be sub-sets of the following assets:

- contact Systems (OLE, Conductor rails)
- power supply equipment

Examples of maintenance activities may include:

- lubrication
- cleaning and security of equipment such as, insulation, signage, guarding

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Examples of replacement techniques may include:

- crimping
- fastening
- rail drilling
- using tensioning rigs

The types of maintenance activities will be both planned and unplanned but will generally be single stage processes. At all times you will be working to within the limits of your own responsibility and report any instances where the maintenance activities cannot be achieved to the relevant person(s).

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## Performance criteria

### *You must be able to:*

P1 maintain safe working practices and comply with all relevant health and safety regulations, directives, and guidelines

P2 follow the relevant maintenance schedules and instructions to carry out the required activities

P3 carry out the maintenance activities within the limits of your own authority

P4 carry out the maintenance activities in the specified sequence and within the timescales set by your organisation

P5 report any instances where the maintenance activities cannot be fully met or where there are identified defects outside the planned schedule

P6 complete relevant maintenance records in line with your organisation's procedures

P7 dispose of waste materials in line with your organisation's procedures

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## Knowledge and understanding

### *You need to know and understand:*

- K1 the relevant health and safety legislation, regulations, and safe working practices and procedures as defined by your organisation
- K2 how to follow maintenance schedules and instructions that are approved by your organisation
- K3 your organisation's methods and techniques for carrying out maintenance activities relevant to your role
- K4 the importance of carrying out maintenance activities in the specified sequence, within organisational timescales agreed
- K5 your organisation's procedures for waste disposal
- K6 the approved reporting lines and procedures within your organisation
- K7 the limits of your own authority and responsibility and those of others involved

PPLREEP01

Carry out maintenance on electrification and plant equipment and components



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