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## Overview

This standard is about your competence in maintaining electrical equipment in line with the manufacturers' and organisational practices and procedures. You will be required to complete the maintenance procedures in a timely manner, follow procedures and finally complete the appropriate documentation. You will be following your organisation's safe working practices at all times and working within the work permit procedures.

This standard deals with the following:

1 Carry out planned maintenance procedures on electrical plant and equipment

During this work you must take account of the relevant worksite operational requirements, procedures and safe working practices **AS THEY APPLY TO YOU**.

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## Performance criteria

### *You must be able to:*

P1 work safely at all times, complying with health and safety and other relevant regulations and guidelines

P2 follow the relevant maintenance schedules to carry out the required work

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

P4 carry out the maintenance activities in the specified sequence and in an agreed time scale

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 accurately and pass them on to the appropriate person

P7 dispose of waste materials in accordance with safe working practices and approved procedures

## Knowledge and understanding

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

K1 you must have a working knowledge and understanding of what your responsibilities are in respect of Health, Safety and Environment. This should include the limits of your personal responsibility, your legal responsibility for your own health and safety and the health and safety of others

K2 you must have a working knowledge of the relevant regulations and the safe working practices and procedures required within your work area

K3 you must have a working knowledge and understanding of the maintenance schedules and related specifications to which you are expected to work. This could be expected to include: authorisation procedures, product worksheets, tests, internal maintenance schedules, safe working practices, method statements, records, timescales

K4 you must have a working knowledge and understanding of which maintenance methods and procedures are standard during maintenance and how they can be modified to optimise the work

K5 you must have a working knowledge and understanding of maintenance records and documentation procedures

K6 you must have a working knowledge and understanding of your responsibilities for the care and control of equipment that you use

K7 you must have a working knowledge and understanding of maintenance authorisation procedures and limits of responsibility and authority in line with company and manufacturers' procedures

K8 you must have a working knowledge and understanding of the appropriate methods and waste disposal procedures in relation to legislation, regulation and procedures for waste segregation

K9 you must have a working knowledge and understanding of your responsibilities with regard to the reporting lines and procedures in your working environment

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## Scope/range related to performance criteria

1 The level and extent of responsibility will involve you being responsible for ensuring the maintenance procedures are carried out safely by following company defined procedures. You will be accountable for the integrity of the work and ensuring the work is recorded in a formal manner. Authorisation for proceeding with the work will be given by authorised signatories within the PTW system

2 The plant or equipment to be maintained could include:

- 2.1 Rotating equipment and tools
- 2.2 Protection methods
- 2.3 Electrical distribution systems

3 The maintenance procedures and activities to be followed are fully defined within the company maintenance procedures. Typical procedures could include:

- 3.1 Tightening of connections
- 3.2 Checking outputs
- 3.3 Replacement of regular changed "lived" components (lamps, bulbs, indicators etc.)
- 3.4 Checking and adjusting movements/components
- 3.5 Inspection for damage/wear/corrosion/movement
- 3.6 Replacement of worn/damaged/corroded components
- 3.7 Cleaning

4 The quality standards and accuracy to be achieved are as set down in QA and QC specifications

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## Scope/range related to knowledge and understanding

The Knowledge and Understanding levels expressed indicate the minimum level of knowledge and understanding sufficient to perform your role in a manner that would normally be associated with the minimum acceptable performance of a competent person undertaking your role.

The expression "working knowledge and understanding" indicates you are able to:

- 1 Identify and apply relevant information, procedures and practices to your usual role in your expected working environments needing only occasional recourse to reference materials
- 2 Describe, in your own words, the principles underlying your working methods. This does not mean the ability to quote "Chapter and verse". Rather you must know what supporting information is available, how and where to find it and from whom to seek further guidance and information confirm any additional required detail
- 3 Interpret and apply the information obtained to your role, your working practice and in your expected working environment

COGPEM49

Carry out planned maintenance procedures on electrical plant and equipment



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## Skills