
Overview

This national occupational standard is about maintaining plant and apparatus in an electricity power utility environment. It includes the processes and procedures to be followed to make sure that the completed maintenance work meets the quality assurance and operating specifications set by the organisation. It includes aspects of communication and the safe working practices that need to be followed in the workplace.

Performance criteria

- You must be able to:*
- Plan to maintain plant and apparatus**
- 1 determine the work location using company documentation and work instructions
 - 2 conduct a site specific risk assessment in accordance with health and safety regulations
 - 3 determine the content and sequence of tasks needed to complete the work activity
 - 4 inform parties directly and indirectly responsible for completing the work activity of the work plan
 - 5 plan and carry out all work in line with company policy and work procedures
- Prepare to maintain plant and apparatus**
- 6 carry out pre use checks on tools and equipment to be used to complete the maintenance work in accordance with work instructions and equipment specifications
 - 7 select and wear required personal protective equipment to complete work activities in accordance with health and safety regulations
 - 8 apply with and follow control measures in line with safe control systems requirements
 - 9 locate and establish the plant and equipment to be dismantled in accordance with authorisation procedures
- Maintain plant and apparatus**
- 10 determine the defects and measure variations in the performance of equipment against its specification and performance criteria
 - 11 maintain plant and apparatus in accordance with equipment specification and maintenance procedures
 - 12 inspect and adjust finished product for compliance with work instructions and operating specifications
 - 13 follow and maintain safe working and environment practices in accordance with health and safety regulations and environmental legislation throughout the duration of the work
- Restore and reinstate work location**
- 14 store tools and equipment on completion of the work activity
 - 15 dispose of waste materials and hazardous substances
 - 16 leave the work area in a condition which is in line with good housekeeping practice
- Use and communicate data and information**
- 17 report unavailable or defective tools, equipment and resources
 - 18 read and interpret company work instructions and supporting documentation
 - 19 maintain documentation and report the completion of work activities in accordance with organisational requirements
- Resolve problems effectively and efficiently**
- 20 deal with problems within the limits of own job role responsibility
 - 21 report problems outside job role responsibility to designated personnel

Knowledge and understanding

You need to know and understand:

General

- 1 the main principles of health and safety and environmental legislation and regulations
- 2 the company reporting lines and authorisation roles and responsibilities
- 3 the company policies and procedures that directly impact on the work to be undertaken

Work area

- 4 the company procedures and processes for reporting problems with tools and equipment
- 5 how to read and interpret procedures and information sources used to make sure that tools and equipment are fit for purpose and safe to use
- 6 what processes and procedures need to be followed and complied with when inspecting and preparing tools and equipment prior to use
- 7 read and interpret instructions on how to use tools and equipment safely and the processes and requirements for undertaking routine checks
- 8 what personal protective equipment needs to worn when undertaken work activities
- 9 what materials and substances are dangerous and hazardous to health
- 10 how to maintain safe working and environmental practices throughout the duration of the work
- 11 how to minimise risks to self and others when undertaking work activities
- 12 company work instruction, information and reporting systems and documentation
- 13 how to respond to the different types and categories of emergency situations that might occur
- 14 how to maintain plant and apparatus using specified assemble principles, methods, processes and procedures
- 15 what handling techniques and equipment to adopt and use when maintaining plant and apparatus
- 16 how to recognise and report inaccurate and incorrect work instructions and documentation

Behaviours

You work in a manner which:

1. recognises and acts when others need support
2. takes responsibility for resolving problems in your work area

Developed by	Energy & Utility Skills
Version Number	2
Date Approved	December 2017
Indicative Review Date	December 2020
Validity	Current
Status	Original
Originating Organisation	Energy & Utility Skills
Original URN	WT04
Relevant Occupations	Engineering; Science and Engineering Technicians
Suite	Wind Turbines
Keywords	maintain, plant, apparatus, electricity, power, utility, utilities, environment, wind, turbines, energy
