



**Australian Government**

# **UEPOPS509 Manage quality control procedures**

**Release: 1**

# UEPOPS509 Manage quality control procedures

## Modification History

**Release 1.** This is the first release of this unit of competency in the UEP Generation Training Package.

## Application

This unit involves the skills and knowledge required to manage quality control procedures.

Quality control is a process through which a workplace seeks to ensure significant variations in quality are kept to a minimum. Quality control in a power generation facility will typically focus on procedures intended to ensure that personnel, plant and equipment operate smoothly and efficiently.

Competency in this unit requires the ability to plan for quality control, manage quality control, manage records and audit quality control procedures. Individuals will, in general, work as an operator with responsibility for quality control, in a power generation facility.

Power generation plant operators are typically trained and authorised to isolate, prepare plant and issue permits to work.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

### **Note: Workplace practice**

The application of the skills and knowledge described in this unit may require a licence or training permit to practice in the workplace where work is carried out on gas and electrical installations. Additional conditions may apply under state and territory legislative and regulatory licensing requirements.

## Pre-requisite Unit

There are no prerequisite units.

## Competency Field

Operations

## Unit Sector

Electricity generation

## Elements and Performance Criteria

### ELEMENTS

### PERFORMANCE CRITERIA

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

#### 1 Plan for quality control

- 1.1 Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) legislative requirements, industry standards, codes of practice, manufacturers' specifications, environmental obligations and workplace procedures are applied and managed throughout quality control process
- 1.2 Manufacturers' specifications and manuals are interpreted to meet quality control procedures as part of the Quality Management System
- 1.3 Plant and equipment testing and inspecting programme is managed to determine conformance with manufacturers' specifications and quality control process and procedures
- 1.4 Data is collected to determine cause of variations in quality control processes and procedures
- 1.5 Quality control process improvement tools are used to identify and resolve quality control problems, in accordance with Quality Management System (QMS) requirements
- 1.6 Quality process improvement techniques are used to manage work groups in the identification and resolution of quality control variances

#### 2 Monitor quality control

- 2.1 Monitoring equipment is checked and managed for correct calibration, and environmental conditions are reviewed and confirmed to ensure reliability and accuracy of test results
- 2.2 Quality control process improvement measures are implemented and managed, in accordance with Quality Management System requirements and workplace procedures
- 2.3 Deviation and fault data is managed, in accordance with workplace procedures and Quality Management System requirements

- 2.4 Changes in quality performance are actioned, in accordance with quality control procedures
  - 2.5 Independent inspections, tests and audits are managed, in accordance with quality control procedures
  - 2.6 Quality improvement system is monitored and managed, in accordance with quality control procedures
- 3 Manage quality control records**
- 3.1 Calibration records of test equipment is managed, in accordance with quality control procedures and Quality Management System requirements
  - 3.2 Recording of quality control procedure updates are managed, in accordance with Quality Management System requirements
- 4 Audit quality control procedures**
- 4.1 Quality Management System (QMS) is audited, and results are evaluated, in accordance with quality control procedures
  - 4.2 Audit results are documented and report with recommendations is reviewed and confirmed with appropriate personnel, in accordance with quality control procedures

## Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

## Unit Mapping Information

This unit replaces and is equivalent to UEPOPS509B Manage quality control procedures.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>

