



Australian Government

UEPOPS056 Manage quality control procedures

Release: 1

UEPOPS056 Manage quality control procedures

Modification History

Release 1. This is the first release of this unit of competency in the UEP Electricity Supply Industry - Generation Sector Training Package Release 2.0.

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 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 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.

Pre-requisite Unit

There are no prerequisite units

Competency Field

Operations

Unit Sector

Electricity generation

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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) regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, environmental requirements and workplace procedures are identified, applied and monitored
- 1.2** Manufacturers' recommendations and specifications and manuals are interpreted to meet quality control procedures in accordance with Quality Management System (QMS) and workplace procedures
- 1.3** Plant and equipment testing and inspecting program is managed to determine conformance with manufacturers' recommendations and specifications in accordance with QMS and workplace procedures
- 1.4** Data is collected to determine cause of variations in accordance with QMS and workplace procedures
- 1.5** Quality control process improvement tools are used to identify and resolve quality control problems in accordance with QMS and workplace procedures
- 1.6** Quality process improvement techniques are used to manage work groups in the identification and resolution of quality control variances in accordance with QMS and workplace procedures

2 Monitor quality control

- 2.1** Monitoring equipment is checked and managed for calibration, and environmental conditions are reviewed and confirmed to ensure reliability and accuracy of test results in accordance with QMS and workplace procedures
- 2.2** Quality control process improvement measures are implemented and managed in accordance with QMS and workplace procedures
- 2.3** Deviation and fault data is managed in accordance with QMS and workplace procedures
- 2.4** Changes in quality performance are actioned in accordance with QMS and workplace procedures
- 2.5** Independent inspections, tests and audits are managed in accordance with QMS and workplace procedures
- 2.6** Quality improvement system is monitored and managed

		in accordance with QMS and workplace procedures
3 Manage quality control records	3.1	Calibration records of test equipment is managed in accordance with QMS and workplace procedures
	3.2	Recording of quality control procedure updates are managed in accordance with QMS and workplace procedures
4 Audit quality control procedures	4.1	QMS is audited, and results are evaluated in accordance with QMS and workplace procedures
	4.2	Audit results are documented and report with recommendations is reviewed and confirmed with relevant personnel in accordance with QMS and workplace 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 UEP Electricity Supply Industry - Generation Sector Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS509 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>

Assessment Requirements for UEPOPS056 Manage quality control procedures

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least two separate occasions and include:

- applying work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - emergency procedures
 - risk control measures
 - safe working practices
- auditing quality control procedures
- communicating with personnel
- completing quality control documentation
- identifying quality control procedure variances
- implementing regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- interpreting manuals
- liaising with contractors
- managing quality control, including procedures, processes and techniques
- organising quality control procedure audits, inspections and tests
- performing analysis of Quality Management System (QMS) and quality control procedures
- planning quality control.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and include knowledge of:

- arrangements of power production plant
- data analysis of quality variances
- manuals
- monitoring equipment, procedures and records
- plant and equipment, location and operating parameters
- quality control procedures, processes and techniques

- QMS
- regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- WHS/OHS requirements, including:
 - emergency procedures
 - risk control measures
 - safe working practices
- workplace documentation
- workplace policies and procedures.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

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