



**Australian Government**

# **UEPOPS104 Operate and monitor oil systems**

**Release: 1**

# UEPOPS104 Operate and monitor oil systems

## 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 operate, monitor and inspect oil systems. Power generation facilities rely on oil systems to run power generation applications. Maintaining clean oil systems is essential to equipment and plant reliability.

Competency in this unit requires the ability to plan work, operate oil systems plant, test oil systems plant, analyse oil systems plant faults, monitor and inspect oil systems plant, and complete all documentation. Individuals will, in general, work under supervision, in a power generation facility as an operator.

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.

#### 1 Plan and prepare work

### PERFORMANCE CRITERIA

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

- 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 Work requirements are identified from relevant personnel and documentation in accordance with workplace procedures
- 1.3 Documentation to determine oil system plant status is assessed and evaluated in accordance with workplace procedures
- 1.4 Inspection, preoperational checks and field preparations for oil system service are carried out in accordance with manufacturers' recommendations and specifications, and workplace procedures
- 1.5 Oil system plant operational prerequisites are established in accordance with manufacturers' recommendations and specifications; and workplace procedures
- 1.6 Sequence for recommissioning of oil system plant is determined in accordance with workplace procedures

## **2 Operate oil system plant**

- 2.1 Oil system plant is operated in accordance with manufacturers' recommendations and specifications, and workplace procedures
- 2.2 Oil system plant is monitored and observed to detect deviations from normal operating conditions in accordance with workplace procedures
- 2.3 Corrective actions are taken to rectify oil system plant abnormalities in accordance with manufacturers' recommendations and specifications, and workplace procedures
- 2.4 Oil system plant is removed from service in accordance with workplace procedures

## **3 Test oil system plant operation**

- 3.1 Operational tests are performed in accordance with workplace procedures
- 3.2 Oil systems plant is observed for correct operational response in accordance with workplace procedures
- 3.3 Oil system plant is returned to required operational status upon completion of testing in accordance with

|                                               |            |                                                                                                                                                                                           |
|-----------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                               |            | workplace procedures                                                                                                                                                                      |
| <b>4 Analyse oil system plant faults</b>      | <b>4.1</b> | Causes of abnormal oil system plant operating conditions are identified by analysing technical and operational information in accordance with workplace procedures                        |
|                                               | <b>4.2</b> | Oil system plant integrity and personnel safety is maintained in consultation with relevant personnel and technical and operational documentation in accordance with workplace procedures |
| <b>5 Monitor and inspect oil system plant</b> | <b>5.1</b> | Oil system plant is monitored and inspected to detect deviations from normal operating conditions in accordance with workplace procedures                                                 |
|                                               | <b>5.2</b> | Relevant personnel are notified when defects are detected in accordance with workplace procedures                                                                                         |
| <b>6 Complete documentation</b>               | <b>6.1</b> | Oil system plant problems, movements, abnormalities and status are reported in accordance with workplace procedures                                                                       |
|                                               | <b>6.2</b> | Documentation is updated in accordance with 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 UEPOPS326 Operate and monitor oil systems.

## Links

Companion Volume implementation guides are found in VETNet -

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