



Australian Government

UEPOPS069 Operate air conditioning plant

Release: 1

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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 and inspect an air conditioning plant.

Air conditioning in power generation facilities refers to systems that cool air and remove humidity from areas filled with heat producing plant and equipment. A complete system of heating, ventilation, and air conditioning is referred to as heating, ventilation and air conditioning (HVAC).

Competency in this unit requires the ability to plan and prepare work; operate, test, analyse and report on air conditioning 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.

PERFORMANCE CRITERIA

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

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| 1 Plan and prepare work | <ul style="list-style-type: none">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 monitored1.2 Work requirements are identified from relevant personnel and documentation in accordance with workplace procedures1.3 Documentation to determine air conditioning plant status is assessed and evaluated in accordance with workplace procedures1.4 Inspection for service is carried out in accordance with site requirements workplace procedures1.5 Air conditioning plant operational prerequisites are established in accordance with manufacturers' recommendations and specifications, and workplace procedures1.6 Sequence for recommissioning of air conditioning plant is determined in accordance with workplace procedures |
| 2 Conduct operation of air conditioning plant | <ul style="list-style-type: none">2.1 Air conditioning plant is operated in accordance with manufacturers' recommendations and specifications, and workplace procedures2.2 Air conditioning plant is monitored and observed to detect deviations from normal operating conditions in accordance with workplace procedures2.3 Corrective actions are taken to rectify air conditioning plant abnormalities in accordance with workplace procedures2.4 Air conditioning plant to be removed from service is identified and removed in accordance with workplace procedures2.5 Corrective actions are taken when abnormalities are identified during removal of air conditioning plant from service in accordance with workplace procedures |
| 3 Test plant operation | <ul style="list-style-type: none">3.1 Tests are performed on air conditioning plant in accordance with workplace procedures |

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| | 3.2 | Air conditioning plant is observed for operational response in accordance with workplace procedures |
| | 3.3 | Air conditioning plant is returned to required operational status upon completion of testing in accordance with workplace procedures |
| 4 Analyse plant faults | 4.1 | Causes of abnormal air conditioning plant operating conditions are identified by analysing technical and operational information in accordance with workplace procedures |
| | 4.2 | Air conditioning plant integrity and personnel safety is maintained through consultation with relevant personnel and technical and operational documentation in accordance with workplace procedures |
| 5 Monitor and inspect plant | 5.1 | Air conditioning plant to be monitored or inspected is physically identified in accordance with workplace procedures |
| | 5.2 | Air conditioning plant is monitored and/or inspected for normal operation and to detect deviations in accordance with workplace procedures |
| | 5.3 | Relevant personnel are notified when defects are detected in accordance with workplace procedures |
| 6 Complete documentation | 6.1 | Air conditioning plant problems, movements and status are reported in accordance with workplace procedures |
| | 6.2 | 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 UEPOPS243 Operate air conditioning plant.

Links

Companion Volume implementation guides are found in VETNet -

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