



Australian Government

UEPOPS142 Transport plant and equipment

Release: 1

UEPOPS142 Transport plant and equipment

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 transport power generation plant and equipment.

Road transport is used to move light or heavy materials, equipment and power generation plant from one location to another location.

Competency in this unit requires the ability to plan and prepare for power generation plant and equipment transportation, obtaining permits, loading and unloading power generation plant and equipment, securing load, operating transport vehicle and completing documentation. Individuals will, in general, work as an operator, in a power generation facility.

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 for transportation

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** Transport requirements are confirmed from work scheduling in accordance with workplace procedures
- 1.3** Characteristics of load are identified to ensure relevant loading and unloading procedures are followed in accordance with workplace procedures
- 2 Obtain transport permits**
- 2.1** Permit forms are completed in accordance with workplace procedures
- 2.2** Load is assessed so as not to exceed safe working capacity of vehicle in accordance with manufacturers' recommendations and specifications, and workplace procedures
- 3 Load/unload plant or equipment**
- 3.1** Vehicle is inspected prior to loading in accordance with manufacturers' recommendations and specifications, and workplace procedures
- 3.2** Start-up, park-up and shutdown procedures are carried out on transport vehicle in accordance with manufacturers' recommendations and specifications, and workplace procedures
- 3.3** Power generation plant and equipment is loaded and unloaded safely ensuring no injury to personnel and damage to property, equipment and load in accordance with workplace procedures
- 3.4** Calculations on dimensions, including height and width of load and transport vehicle requirements, are made for oversized loads in accordance with workplace procedures
- 3.5** Lashings are stored in transport vehicle in accordance with workplace procedures
- 3.6** Load is secured to transport vehicle using relevant securing equipment and is lashed to anchorage points in accordance with securing systems, manufacturers' recommendations and specifications, and workplace procedures
- 4 Operate transport vehicle**
- 4.1** Preoperational checks are carried out on power generation plant in accordance with manufacturers' recommendations and specifications, and workplace

procedures

- 4.2 Attachments are set at correct height or position and transport vehicle is driven in accordance with traffic regulations, manufacturers' recommendations and specifications, and workplace procedures
 - 4.3 Start-up, park-up and shutdown procedures are carried out on transport vehicle in accordance with manufacturers' recommendations and specifications, and workplace procedures
 - 4.4 Hazards are identified and risk control measures are applied to transporting power generation plant and equipment on public roads and at worksite in accordance with workplace procedures
 - 4.5 Traffic regulations are followed in accordance with workplace procedures
- 5 Complete documentation**
- 5.1 Post-operational checks and minor maintenance is carried out on transport vehicle and accessories in accordance with manufacturers' recommendations and specifications, and workplace procedures
 - 5.2 Documentation is updated and transport vehicle abnormalities and status are reported in accordance with workplace

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 UEPOPS232 Transport plant and equipment.

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 UEPOPS142 Transport plant and equipment

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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) legislated requirements, including:
 - emergency procedures
 - risk control measures
 - safe working practices
- completing documentation using recording procedures
- complying with regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- complying with road transport permit requirements
- conducting prestart, start-up and shutdown procedures
- loading, offloading and transporting power generation plant and equipment
- operating and manoeuvring vehicles
- operational and maintenance procedures
- securing loads using lashing techniques.

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:

- lashing techniques
- loading and offloading procedures
- manuals
- power generation plant and equipment, location and operation
- prestart, start-up and shutdown procedures
- regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- road transport permits
- transport equipment capabilities and limitations

- transport operational and maintenance procedures
- WHS/OHS requirements, including:
 - emergency procedures
 - risk control measures
 - safe working practices
- workplace policies and procedures
- workplace documentation.

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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