



Australian Government

UETTDNIS47 Sample, test, filter and reinstate insulating oil

Release: 1

UETTDRIS47 Sample, test, filter and reinstate insulating oil

Modification History

Release 1. This is the first release of this unit of competency in the UET Transmission, Distribution and Rail Sector Training Package.

Application

This unit involves the skills and knowledge required to sample, test, filter and reinstate insulating oil in the electricity supply industry (ESI).

It includes despatching oil samples to a laboratory for higher level testing, as required and post operational servicing of equipment and/or plant. It also includes identifying related environmental issues concerning disposing oil safely.

The application of the skills and knowledge described in this unit may require a licence/registration to practice in the workplace.

Other conditions may apply under State and Territory legislative and regulatory licensing requirement which must be confirmed prior to commencing this unit.

Pre-requisite Unit

Common Unit Group

UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace

UEENEEE102A Fabricate, assemble and dismantle utilities industry components

UEENEEE104A Solve problems in d.c. circuits

UEENEEE105A Fix and secure electrotechnology equipment

UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications

UEENEEE137A Document and apply measures to control OHS risks associated with electrotechnology work

UEENEEG006A Solve problems in single and three phase low voltage machines

UEENEEG101A Solve problems in electromagnetic devices and related circuits

UEENEEG102A Solve problems in low voltage a.c. circuits

UEENEEG106A Terminate cables, cords and accessories for low voltage circuits

UEENEEK142A Apply environmentally and sustainable procedures in the energy sector

UETTDRIL16 Working safely near live electrical apparatus

Competency Field

Industry Specific Cross Discipline

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to sample, test, filter and reinstate insulating oil

PERFORMANCE CRITERIA

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

- 1.1** Works schedules, plans, drawings, workplace procedures and material lists are received and confirmed
- 1.2** Job requirements and workplace procedures are identified and communicated with relevant personnel
- 1.3** Work health and safety (WHS)/occupational health and safety (OHS) workplace procedures for sampling, testing, filtering and reinstating insulating oil are obtained and confirmed for the purposes of the work to be performed
- 1.4** Work is prioritised and sequenced for completion within acceptable timeframes following consultation with relevant personnel and in accordance with workplace procedures
- 1.5** Hazards are identified, WHS/OHS risks assessed and control measures prioritised, implemented and monitored in accordance with workplace procedures
- 1.6** Relevant work permits are obtained and signed in accordance with workplace procedures
- 1.7** Equipment, tools and personal protective equipment (PPE) required for work are identified, obtained and confirmed in working order
- 1.8** Liaison and communication issues with authorised personnel, authorities, clients and land owners are resolved to perform work, as required

- 1.9 Worksite is prepared to minimise risk, damage to property, commerce and individuals in accordance with workplace procedures
 - 1.10 Personnel participating in work are fully briefed and responsibilities confirmed in accordance with workplace procedures
 - 1.11 Traffic management is planned and implemented in accordance with workplace procedures
- 2 **Carry out sampling, testing, filtering and reinstating of insulating oil**
 - 2.1 WHS/OHS, sustainable energy and environmental principles and practices are monitored and actioned to reduce incidents of accidents in accordance with workplace procedures
 - 2.2 Hazard warnings and safety signs are recognised and hazards and assessed WHS/OHS risks are reported to immediate authorised personnel for directions in accordance with workplace procedures
 - 2.3 Requirements for lifting and/or climbing and/or working at heights and the use of power tools/equipment are followed in accordance with workplace procedures
 - 2.4 Sampling, testing, filtering and reinstating of insulating oil are applied to ensure completion in agreed timeframes, to quality standards and minimum waste in accordance with workplace procedures
 - 2.5 Sampling, testing, filtering and reinstating of the insulating oil is performed in accordance with work schedules, job requirements and workplace procedures
 - 2.6 Unplanned events in the filtering, sampling and testing of insulating oil are responded to in accordance with workplace procedures
 - 2.7 Known solutions to a variety of problems are applied using acquired essential knowledge and associated skills
 - 2.8 Quality checks of work are undertaken in accordance with industry standards and workplace procedures
- 3 **Complete the sampling, testing, filtering and reinstating of insulating oil**
 - 3.10 Completed work is checked against work schedule, construction plans and drawings for compliance and anomalies are reported in accordance with workplace procedures

- 3.2 WHS/OHS and environmental incidents are reported in accordance with workplace procedures, as required
- 3.3 Worksite is cleaned and confirmed safe in accordance with workplace procedures
- 3.4 Tools, equipment, surplus resources and materials are cleaned, checked and returned to storage or disposed of in accordance with workplace procedures
- 3.5 Relevant work permits are signed off and equipment is returned to service in accordance with workplace procedures
- 3.6 Work records, reports and/or documentation are completed 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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UETTDRI47A Sample, test, filter and reinstate insulating oil.

Links

UET Training Package Companion Volume Implementation Guide is found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>