



Australian Government

UETDRDU019 Transition joint high voltage paper insulated cable to high voltage polymeric cable

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UET Transmission, Distribution and Rail Sector Training Package Release 2.0.

Application

This unit involves the skills and knowledge required to transition joint high voltage (HV) paper insulated cable to HV polymeric cable in the electricity supply industry (ESI).

It includes confirming that the cables are de-energised and the testing of cables using a range of tools, equipment, specialised materials and manufacturer's instructions.

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

Other conditions may also apply under state and territory legislative and regulatory licensing requirements which must be confirmed prior to commencing this unit.

Pre-requisite Unit

UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

UEECD0019 Fabricate, assemble and dismantle utilities industry components

UEECD0044 Solve problems in multiple path circuits

UEECD0046 Solve problems in single path circuits

UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications

UEEEL0020 Solve problems in low voltage a.c. circuits

UEEEL0021 Solve problems in magnetic and electromagnetic devices

UETDRDU013 Joint, terminate and maintain high voltage underground polymeric cable

UETDREL001 Apply environmental requirements

UETDREL005 Work safely in the vicinity of live electrical apparatus

Competency Field

Distribution Underground

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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

1 Prepare to transition HV paper insulated cable to HV polymeric cable

- 1.1** Legislation, regulations, standards, codes of practice and organisational workplace requirements for the work to be performed are referred to and confirmed
- 1.2** Work plan is obtained and confirmed in accordance with workplace requirements
- 1.3** Materials required for work are determined and obtained in accordance with work plan and workplace requirements
- 1.4** Tools, equipment and personal protective equipment (PPE) required for work are determined, obtained and confirmed in working order
- 1.5** Hazards are identified, risks assessed and control measures identified and applied
- 1.6** Work is prioritised and sequenced for completion in accordance with work plan and workplace requirements
- 1.7** Work permits are organised in accordance with workplace requirements
- 1.8** Worksite is prepared in accordance with the work plan and workplace requirements

2 Carry out the transitioning of HV paper insulated cable to HV polymeric cable

- 2.1** Legislation, regulations, standards, codes of practice and organisational workplace requirements for the work to be performed are applied and monitored
- 2.2** Manual handling, working in confined spaces and use of tools, equipment and PPE are carried out in accordance with workplace requirements
- 2.3** Hazard control measures are monitored in accordance

with workplace requirements

2.4 Cable is identified and spiked or cut in accordance with workplace requirements

2.5 Work permits are received and signed in accordance with workplace requirements

2.6 Cables are tested in accordance with workplace requirements

2.7 Cables are prepared for jointing in accordance with manufacturer instructions and workplace requirements

2.8 Cables are jointed in accordance with manufacturer instructions and workplace requirements

2.9 Work permits are signed off in accordance with workplace requirements

2.10 Cables and cable joint are tested in accordance with workplace requirements

2.11 Incidents or unplanned events are responded to in accordance with workplace requirements

2.12 Quality checks of work are undertaken in accordance with work plan and workplace requirements

3 Complete work and documentation

3.1 Completed work is checked for compliance against the work plan and workplace requirements

3.2 Incidents or unplanned events are reported in accordance with workplace requirements

3.3 Worksite is rehabilitated, cleaned and made safe in accordance with workplace requirements

3.4 Tools and equipment are cleaned, checked and returned to storage in accordance with workplace requirements

3.5 Surplus materials are returned to storage or disposed of in accordance with workplace requirements

3.6 Work records, reports and documentation are completed in accordance with workplace requirements

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 UET Transmission, Distribution and Rail Sector Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UETTDRCJ25 Perform straight through high voltage paper insulated to polymeric transition joint.

Links

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