



Australian Government

Assessment Requirements for TLIB4071 Install and maintain pole mounted switches and transformers

Release: 2

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Modification History

Release 2. This is the second release of this unit of competency in the TLI Transport and Logistics Training Package:

- Minor statement change in unit Application
- Minor statement changes in Assessment Conditions.

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- applying appropriate repair/testing practices and procedures
- applying relevant workplace procedures
- communicating effectively with others
- communicating plans, intentions and safety criteria to others
- implementing contingency plans
- interpreting and following operational instructions and prioritising work
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring work activities in terms of planned schedule
- operating and adapting to differences in equipment in accordance with operating procedures
- performing calculations required for installation procedures
- reading and interpreting relevant instructions, procedures, information, technical data, manuals and drawings
- reporting and/or rectifying identified problems, faults or malfunctions, in accordance with regulatory requirements and workplace procedures
- selecting and using test equipment and testing techniques
- working collaboratively with others
- working systematically with required attention to detail without injury to self or others, or damage to goods or equipment.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- applicable state/territory legislated rail safety requirements, relevant codes of practice, rail

- industry standards and/or guidelines
- characteristics, capabilities and uses of types of pole mounted switches and transformers
- distribution system earthing procedures as they relate to installing and maintaining electrical switches and transformer equipment
- hazards that may exist when installing and maintaining pole mounted switches and transformers
- live/energised line working techniques and equipment
- problems that may occur when installing and maintaining pole mounted switches and transformers
- relevant electrical/electronic theory and principles
- relevant work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- relevant organisation and commercial publications, including construction manuals and technical instructions as they relate to installing and maintaining electrical equipment
- relevant recording and documentation procedures
- relevant sections of railway safety management plans, rail industry standards and the AS/NZS 3000 Electrical installations (known as the Australian/New Zealand Standard Wiring Rules)
- relevant technical regulatory requirements
- statutory/organisation traffic control requirements, work zone regulations and guidance signals for planned operations
- switching or de-energising procedures and maintenance operations
- visual inspection workplace procedures
- workplace procedures for installing and maintaining pole mounted switches and transformers.

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 or, where this is not available, 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 simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation including workplace procedures, regulations, rail industry standards, codes of practice and operation manuals.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>