



**Australian Government**

# **Assessment Requirements for TLIB3058 Maintain aerial signal/telecommunications lines and cables**

**Release: 1**

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## **Modification History**

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 relevant rail industry standards, codes of practice, guidelines and workplace procedures
- carrying out line/cable/conductor jointing and termination
- communicating effectively with others when maintaining aerial signal/telecommunications lines and cables
- diagnosing and repairing aerial cable faults
- identifying job hazards and taking required action to minimise, control or eliminate identified hazards
- implementing contingency plans
- interpreting and following operational instructions and prioritising work
- inspecting aerial signal/telecommunications line routes and poles
- installing aerial signal/telecommunications lines and cables to rail industry standards, rules, codes of practice and guidelines
- 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
- reading and interpreting relevant instructions, procedures, information, technical data and drawings
- reporting and/or rectifying identified problems, faults or malfunctions, in accordance with regulatory requirements and workplace procedures
- selecting and using hand tools, power tools and equipment
- using relevant test equipment and aerial cable testing techniques
- 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 legislated rail safety and rail industry standards requirements
- clearance and separation procedures from other services for aerial signal/telecommunications lines and cables
- common aerial cable system faults
- documentation and record keeping requirements
- electrical theory and principles relevant to aerial cables
- fault diagnosis/problem solving
- hazards that may exist when maintaining aerial signal/telecommunications lines and cables, and ways of controlling the risks involved
- line/cable technical specifications
- problems that may occur when maintaining aerial signal/telecommunications lines and cables, and action that can be taken to report or resolve these problems
- relevant work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- separation and installation rail industry standards requirements for aerial signal/telecommunications lines and cables
- static clearance (electrical) as defined by rail industry standards and organisational procedures
- technical requirements for installing and maintaining aerial signal/telecommunications lines and cables
- techniques for operating support equipment
- test equipment and procedures
- workplace procedures for maintaining aerial signal/telecommunications lines and cables.

## Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

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Assessment must occur in workplace operational situations or, where this is not available, in simulated workplace operational situations that replicate rail 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 include:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including workplace procedures, regulations, rail industry standards, codes of practice and operation manuals.
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## Links

Companion Volume implementation guides are found in VETNet -

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