



Australian Government

TLIS2020 Install overhead wiring structure

Release: 2

TLIS2020 Install overhead wiring structure

Modification History

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

- 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.

Application

This unit involves the skills and knowledge required to install overhead wiring structures in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes planning and preparing for installation, installing the required components to specification and completing all required documentation.

Work is performed under minimal supervision, generally within a team environment.

People achieving competence in this unit will need to fulfil the applicable state/territory legislated rail safety requirements and to comply with relevant codes of practice and/or guidelines.

Operators of mechanised equipment must have undertaken training and, where appropriate, hold the relevant licence, permit or certificate and be recognised as competent for the class of machinery being used.

Pre-requisite Unit

Not applicable.

Competency Field

S – Construction and Installation

Unit Sector

Rail sector.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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

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| 1 Plan installation | 1.1 Work requirements are determined to identify scope of work and resources required |
| | 1.2 Hazards are identified, risks are assessed and control measures are implemented |
| | 1.3 Type of overhead wiring structure required for job is identified and organised |
| 2 Prepare for installation | 2.1 Footings are prepared and excavated in accordance with rail industry standards and workplace procedures |
| | 2.2 Formwork is installed in accordance with rail industry standards and workplace procedures |
| | 2.3 Concrete reinforcing is installed in accordance with rail industry standards and workplace procedures |
| | 2.4 Concrete is mixed and placed in accordance with rail industry standards and workplace procedures |
| | 2.5 Hold down plates/bolts are placed into concrete to correct dimensions to enable fitting of overhead wiring structure |
| 3 Install components | 3.1 Components are assembled onto bridge section as required in preparation for installation |
| | 3.2 Masts and other components are positioned and installed as required in accordance with accepted workplace procedures |
| | 3.3 Fastening systems are installed in accordance with rail industry standards to ensure the integrity of the overhead wiring structure |
| 4 Complete documentation | 4.1 Required documentation procedures and processes are confirmed |
| | 4.2 Documentation is filled in legibly and proofread |
| | 4.3 Documentation is processed 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 can be found in the TLI Transport and Logistics Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLIS2020A Install overhead wiring structure.

Links

Companion Volume Implementation Guides are found in VETNet -

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