



Australian Government

TLIW3027 Operate minor track equipment

Release: 2

TLIW3027 Operate minor track equipment

Modification History

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

- Minor grammatical statement changes in Performance Evidence
- Minor statement removed in Knowledge Evidence
- 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 operate minor track equipment as part of workplace activities across a variety of rail operational contexts.

It includes performing pre-operational equipment checks; obtaining approval to place on track; preparing, operating and monitoring minor equipment on track; removing equipment from track; performing post-operation equipment procedures; and completing documentation.

The unit covers equipment that can be manually lifted on or off track, including equipment that can be moved and operated on trolleys. Minor track equipment may include:

- ballast scarifiers
- dog pullers
- dog screw setters/drivers
- joint lifters
- multi-spindle borers
- power track jacks
- rail-mounted compressor
- small sleeper spacers
- spike drivers
- various fastening applicators.

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 minor track equipment must have undertaken training and, where appropriate, hold the relevant licence, permit and/or certification and be recognised as competent for the requirements for the type of equipment being used.

Pre-requisite Unit

Not applicable.

Competency Field

W – Equipment and Systems Operations

Unit Sector

Rail sector.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Perform pre-operational equipment checks

2 Obtain approval to place on track

3 Prepare, operate and monitor minor equipment on track

PERFORMANCE CRITERIA

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

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| 1.1 | Detailed pre-operational equipment checks are conducted in accordance with manufacturer specifications and organisational procedures |
| 1.2 | Logbooks are checked and completed in accordance with organisational requirements and manufacturer specifications |
| 1.3 | Problems with equipment are identified and rectified in accordance with workplace procedures |
| 1.4 | Identified problems are reported and documented in accordance with organisational procedures |
| 2.1 | Protection Officer is identified |
| 2.2 | Protection Officer or Person In Charge Of Work (PICOW) is contacted to obtain approval to place minor equipment on track, and to move to designated track at nominated location in accordance with organisational procedures |
| 3.1 | Equipment is travelled to worksite or nominated signal/yard location |

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| | 3.2 | Equipment is prepared for work |
| | 3.3 | Equipment is operated in a safe and efficient manner in accordance with relevant codes of practice, safeworking systems, and manufacturer and organisational procedures |
| | 3.4 | Equipment is operated in accordance with organisational standards and specifications |
| | 3.5 | Warning systems are monitored and responded to appropriately during operation |
| 4 | Remove equipment from track | |
| | 4.1 | Approval is requested from the Protection Officer or PICOW to direct when and where to off track equipment |
| | 4.2 | Equipment is propelled to nominated off-track location |
| | 4.3 | Protection Officer or PICOW is contacted and informed that all equipment is off-tracked |
| | 4.4 | Equipment is left stored in appropriate manner and location to ensure its security and protection |
| 5 | Perform post-operational equipment procedures | |
| | 5.1 | Post-operational equipment checks are conducted to identify defects and maintenance requirements in accordance with manufacturer specifications and organisational procedures |
| | 5.2 | Identified problems are reported in accordance with organisational procedures |
| | 5.3 | Post-operating service schedule is performed in accordance with organisational procedures |
| 6 | Complete documentation | |
| | 6.1 | Logbooks are checked and completed accurately |
| | 6.2 | Documentation is completed accurately in accordance with organisational procedures |
| | 6.3 | Documentation is processed in accordance with organisational 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.

Unit Mapping Information

This unit replaces and is equivalent to TLIW3027A Operate minor track equipment.

Links

Companion Volume Implementation Guides are found in VETNet -

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

Assessment Requirements for TLIW3027 Operate minor track equipment

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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:

- communicating effectively with others
- completing relevant documentation
- following operational instructions
- following relevant safeworking system and workplace procedures
- identifying job hazards and taking required action to minimise, control or eliminate identified hazards
- implementing contingency plans
- modifying activities depending on operational contingencies, risk situations and environments
- obtaining approval to place minor track equipment on track
- operating and monitoring minor track equipment on track
- performing pre- and post-operational equipment checks in accordance with workplace procedures
- removing equipment from track
- reporting and/or rectifying identified minor track equipment problems, faults and malfunctions, in accordance with workplace procedures
- working 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:

- hazards that may exist when operating minor track equipment and ways of controlling the

risks involved

- organisational emergency management plan procedures for operating minor track equipment
- organisational procedures and manufacturer specifications for operating minor track equipment
- problems that may occur when operating minor track equipment and actions that can be taken to report or resolve these problems
- relevant state/territory rail safety requirements
- work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- work on-track safeworking system rules and regulations.

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 rail corridor 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, codes of practice and operation manuals.

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