



Australian Government

TLIS3025 Implement ballast unloading

Release: 2

TLIS3025 Implement ballast unloading

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 implement ballast unloading in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes determining the job requirements, carrying out the unloading activity in accordance with work orders, and completing all required documentation.

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.

Work is performed under limited supervision, generally within a team environment. It involves the application of routine operational principles and procedures when implementing ballast unloading, as part of workplace activities across a variety of operational context within the Australian rail system.

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

Elements describe the essential outcomes.

1 Determine job requirements

PERFORMANCE CRITERIA

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

- 1.1** Work requirements are determined for new ballast work and/or repair of existing ballast
- 1.2** Hazards are identified, risks are assessed and control measures are implemented
- 1.3** Obstacles in work area are identified and removal or protection are organised as necessary to ensure smooth workflow in accordance with workplace procedures
- 1.4** Resources are organised to meet the scope of the job and appropriate work methods are selected
- 1.5** Ballast quantities are determined

2 Undertake ballast unloading

- 2.1** Site communications are established and agreed to ensure safe and efficient working conditions
- 2.2** Ballast unloading operation is implemented to ensure appropriate flow rates and extent
- 2.3** Ballast is distributed by manual and/or mechanical methods to allow safe operation of trains
- 2.4** Ballast is removed from sensitive infrastructure to ensure safe operation of trains and safety of public

3 Complete documentation

- 3.1** Required documentation procedures and processes are confirmed
- 3.2** Documentation is filled in legibly and proofread
- 3.3** Documentation is processed 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.

Unit Mapping Information

This unit replaces and is equivalent to TLIS3025A Implement ballast unloading.

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 TLIS3025 Implement ballast unloading

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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:

- applying relevant workplace procedures
- ensuring ballast is distributed so as to meet requirements for safe operation and in accordance with workplace procedures
- ensuring unloading operation is carried out correctly
- identifying job hazards and taking required actions to minimise, control or eliminate identified hazards
- 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
- negotiating communication methods and communicating effectively with others including train drivers and equipment operators
- operating communications equipment to required protocol
- reading and interpreting relevant technical plans, specifications, instructions and manuals
- reporting and/or rectifying identified problems, faults or malfunctions, in accordance with workplace procedures
- selecting and using relevant equipment and tools in accordance with workplace procedures
- working collaboratively with others
- working systematically with required attention to detail without injury to self or others, or damage to 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:

- ballast flow rates

- ballast hopper operation
- contents of workplace technical manuals relating to ballast unloading and profile
- functions of ballast
- hazards that may exist when implementing track ballast activities and ways of controlling the risks involved
- problems that may occur when implementing track ballast activities and actions that can be taken to report or resolve these problems
- relevant rail danger zones
- relevant recording and documentation procedures
- relevant rail safety, work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- required rail industry standard of materials and methods involved in implementing ballast unloading activities
- workplace procedures for implementing ballast unloading activities.

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.

Practical assessment must occur in an appropriate range of situations in the rail corridor workplace.

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.

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