



Australian Government

TLIC4074 Shunt, couple and uncouple rail vehicles

Release: 2

TLIC4074 Shunt, couple and uncouple rail vehicles

Modification History

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

- Minor terminology changes in Performance Criteria
- Minor statement changes in Performance Evidence
- Minor statement changes 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 safely shunt, couple and uncouple rail vehicles in accordance with system of safeworking and workplace policies and procedures.

It includes preparing to shunt rail vehicles for loading/unloading, making up or breaking up trains and placing vehicles for operational and/or maintenance purposes. It also includes coupling, uncoupling and securing rail vehicles.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

C – Vehicle Operation.

Unit Sector

Rail sector.

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
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1 Prepare to shunt	1.1 Shunting instructions are interpreted and confirmed
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rail vehicles

- 1.2** Location of rail vehicles and required movements are identified
- 1.3** Hazards are identified, risks are assessed and risk control measures implemented
- 1.4** Allocated motive power unit is confirmed as appropriate for intended activities

2 Shunt rail vehicles

- 2.1** Points, levers, switches and signals are operated, as required, in accordance with workplace policies and procedures to control rail vehicle movement
- 2.2** Uniform line of sight and radio shunting commands are used in accordance with workplace policies, procedures and requirements
- 2.3** Rail vehicles are positioned in accordance with operational requirements
- 2.4** Relevant work health and safety (WHS)/occupational health and safety (OHS) requirements are followed to prevent injury and to avoid damage to equipment
- 2.5** Defect/fault cards are checked and appropriate actions are taken in accordance with workplace policies and procedures as required
- 2.6** Rail vehicle movements are controlled to prevent damage of rail vehicles and loads/contents in accordance with workplace policies and procedures

3 Couple, uncouple and secure rail vehicles

- 3.1** Rail vehicles are positioned to meet coupling requirements in accordance with workplace policies and procedures
- 3.2** Coupling systems are identified and applied appropriately to couple and/or uncouple rail vehicles in accordance with manufacturer and workplace requirements
- 3.3** Handbrakes and other securing devices are applied/released and attached/removed in accordance with workplace policies and 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 TLIC4074A Shunt, couple and uncouple rail vehicles.

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 TLIC4074 Shunt, couple and uncouple rail vehicles

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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:

- getting on and off rail vehicles in an appropriate manner in accordance with safe work practice and workplace procedures
- identifying job hazards and taking required actions to minimise, control or eliminate identified hazards
- modifying activities depending on operational contingencies, risk situations and environments
- operating and adapting to differences in equipment in accordance with operating procedures
- operating signals and points in accordance with operating procedures
- reading and interpreting relevant instructions, procedures, information and signs
- reporting and/or rectifying identified problems, faults or malfunctions promptly in accordance with regulatory requirements and workplace procedures
- shunting, coupling, uncoupling and securing rail vehicles.

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:

- characteristics and features of wagons and other rail vehicles
- communications protocols and workplace procedures
- emergency workplace procedures
- principles of operation for protective devices, air and electrical couplings, handbrakes, derailleurs and coupling equipment
- procedures for getting on and off rail vehicles in an appropriate manner

- relevant documents requirements
- relevant state/territory legislated rail safety requirements, codes of practice and/or guidelines including work health and safety (WHS)/occupational health and safety (OHS) legislation, regulations, codes of practice, workplace policies and procedures
- system of safeworking and operational requirements.

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 where it is appropriate to do so; where this is not appropriate, assessment must occur 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, rail network standards, codes of practice and operation manuals.

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