



Australian Government

TLIC2076 Establish and operate braking system on medium/heavy self-propelled on-track equipment

Release: 1

TLIC2076 Establish and operate braking system on medium/heavy self-propelled on-track equipment

Modification History

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 establish, test and operate the braking system on a medium or heavy self-propelled on-track maintenance vehicle and to deal with brake system faults and failures.

It includes identifying and establishing track maintenance vehicle braking system; testing, operating and monitoring track maintenance vehicle braking system; and identifying and rectifying track maintenance vehicle braking system faults in transit.

Medium or heavy on-track equipment generally weighs more than 10 tonnes and is permanently railed.

This unit is intended for rail safety workers who will drive medium/heavy self-propelled on-track equipment to ensure the braking system is suitable for operation prior to the on-track equipment being driven and to identify any faults when in transit. Depending on the type of test being used this activity may require the assistance of a second person.

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

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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

1 Identify and establish track maintenance vehicle braking system

- 1.1 Brake system and type to be used are identified
- 1.2 Hazards are identified, risks are assessed and control measures are implemented
- 1.3 Correct coupling of vehicle braking system is established and/or confirmed as required in accordance with organisational procedures
- 1.4 Air brake system is charged to required pressures in accordance with organisational procedures

2 Test, operate and monitor track maintenance vehicle braking system

- 2.1 Relevant brake system tests are conducted in accordance with organisational procedures
- 2.2 Vehicle brakes are applied and released under normal operational conditions in accordance with correct handling and organisational procedures
- 2.3 Vehicle brakes are applied and released under emergency conditions in accordance with correct handling and organisational procedures
- 2.4 Vehicle brake system is monitored in accordance with organisational and/or operational requirements

3 Identify and rectify track maintenance vehicle braking system faults in transit

- 3.1 Braking system faults are identified while in transit
- 3.2 Suitable location to bring vehicle to a stand is identified in accordance with vehicle handling and organisational procedures
- 3.3 Vehicle brake system fault is located and rectified or isolated in accordance with manufacturer and/or organisational procedures
- 3.4 Relevant brake system tests are conducted as required, 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.

Non-essential conditions can be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLIC2076A Establish and operate braking system on medium/heavy self-propelled on-track equipment.

Links

Companion Volume implementation guides are found in VETNet -

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