



**Australian Government**

# **TLIB4082 Set up motive power units in multi-coupled consist**

**Release: 2**

# TLIB4082 Set up motive power units in multi-coupled consist

## 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 unit Application
- 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 set up one or more motive power units in multi-coupled consist in accordance with network owner and rail network standards, rules, codes of practice and guidelines.

It includes preparing, setting up and conducting post start-up checks of motive power units in power or when being hauled dead or offline for multi-consist operation.

These operations are conducted as part of operating motive power units and may be carried out as part of a team of people working within rail operations.

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

## Pre-requisite Unit

Not applicable.

## Competency Field

B – Equipment Checking and Maintenance.

## Unit Sector

Rail sector.

## Elements and Performance Criteria

### ELEMENTS

Elements describe the

### PERFORMANCE CRITERIA

Performance criteria describe the performance needed to

essential outcomes.

demonstrate achievement of the element.

**1 Prepare motive power units for coupling**

**1.1** Identification and location of motive power units to be coupled is confirmed

**1.2** Hazards are identified, risks are assessed and risk control measures are implemented

**1.3** Motive power units are marshalled into desired position and orientation to meet consist requirements in accordance with organisational policies and procedures

**2 Set up motive power units for multi-consist operation**

**2.1** Motive power units are coupled in accordance with manufacturer instructions and/or organisational procedures

**2.2** Relevant hose pipes and electrical connections are made in accordance with manufacturer instructions and/or organisational procedures

**2.3** Fuel lines are coupled, as required, in accordance with manufacturer instructions and/or organisational procedures

**2.4** Area is checked before pantographs are raised or lowered to ensure safety in accordance with organisational procedures, as required

**3 Set up in-cab controls for multi-consist operation**

**3.1** Motive power unit controls are set up for multi-consist operation in accordance with manufacturer and/or organisational policies and procedures

**3.2** Vigilance and safety controls are set up as required, to ensure they are functioning correctly in multi-consist operation

**3.3** Motive power unit equipment is set up or adjusted for multi-consist operation in accordance with manufacturer and/or organisational policies and procedures

**4 Perform post start-up checks**

**4.1** Post start-up checks are carried out to ensure all motive power units are braking and powering effectively and are safe to move in accordance with manufacturer and/or organisational policies and procedures

**4.2** Handbrakes on all motive power units are applied/released in accordance with manufacturer and/or organisational policies and procedures

**4.3** Pantographs are raised or lowered in accordance with manufacturer and organisational procedures, as required

**5 Haul dead motive**

**5.1** Motive power unit controls are set up for being hauled dead

**power units**

in motive power unit consist or in-train in accordance with manufacturer and/or organisational policies and procedures

- 5.2** Vigilance and safety controls are set up, as required, to ensure they are functioning correctly when being hauled dead in motive power unit consist or in-train
- 5.3** Motive power unit equipment is set up or adjusted for being hauled dead in motive power unit consist or in-train in accordance with manufacturer and/or organisational policies and procedures
- 5.4** Handbrakes are applied and released in accordance with manufacturer and/or organisational 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 TLIB4082A Set up motive power units in multi-coupled consist.

**Links**

Companion Volume Implementation Guides are found in VETNet -

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