



Australian Government

TLIB4082 Set up motive power units in multi-coupled consist

Release: 1

TLIB4082 Set up motive power units in multi-coupled consist

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 set up one or more motive power units in multi-coupled consist in accordance with network owner and rail industry 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

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare motive power units for coupling

PERFORMANCE CRITERIA

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

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

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

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>