



Australian Government

Assessment Requirements for TLIC4019 Drive train to operational requirements

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

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:

- adapting to differences in trains, associated motive power units and ancillary equipment
- applying track or road information/characteristics to train operations
- checking and replenishing fluids and carrying out lubrication processes as part of train operations in accordance with workplace requirements
- communicating effectively with others
- completing relevant documentation
- driving train in accordance with equipment and track/road characteristics
- identifying and assessing motive power unit defects and deficiencies and taking appropriate action to report, isolate, repair or replace identified defective equipment in accordance with workplace procedures
- identifying job hazards and taking required action to minimise, control or eliminate identified hazards
- implementing contingency plans
- interpreting and following operational instructions and prioritising work
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring equipment in accordance with organisational requirements
- monitoring journey schedule in accordance with train documentation
- monitoring train performance and security of load to facilitate optimum safe operation
- operating electronic communications equipment to required protocol
- reading and interpreting relevant instructions, procedures, information and signs
- recognising problems that may arise when driving a train, and taking appropriate action
- selecting and using required personal protective equipment conforming to industry and work health and safety (WHS)/occupational health and safety (OHS) standards
- working collaboratively with others
- working systematically with required attention to detail.

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:

- applicable state/territory legislated rail safety requirements, relevant codes of practice and/or guidelines
- braking and safety system procedures
- defects that can occur on a motive power unit and related action that should be taken
- motive power unit controls, instruments and indicators and their purpose, location and use
- motive power unit equipment and systems including monitoring devices, braking and drive equipment, and ancillary systems
- operating controls to start, accelerate, decelerate and stop
- procedures and required protocol for operating electronic communications equipment
- procedures for identifying equipment faults and defects, and assessing for appropriate action
- procedures for minor maintenance, cleaning, lubricating and servicing of motive power unit
- procedures for operating and monitoring the performance of ancillary systems on a train
- procedures for refuelling and lubricating a motive power unit
- procedures for responding to hazardous situations and emergencies
- processes for adjusting controls to maximise efficient and safe running
- relevant WHS/OHS and environmental procedures and regulations
- requirements for completing relevant documentation
- start-up and shut-down procedures
- techniques and procedures for complying with speed and load limits
- track and road characteristics
- train operating characteristics.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

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

A simulator assessment is not suitable for the final assessment of this unit of competency

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 include:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet -

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