



Australian Government

Assessment Requirements for TLIC3028 Operate and monitor a heritage motive power unit

Release: 2

Assessment Requirements for TLIC3028 Operate and monitor a heritage motive power unit

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 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.

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 heritage motive power units and associated equipment and procedures
- communicating effectively with other train crews and relevant personnel
- identifying job hazards and taking required actions 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 heritage motive power unit performance
- operating electronic communications equipment to required protocol
- reading and interpreting relevant instructions, procedures, information and signs
- recognising problems that may arise when operating and monitoring a heritage motive power unit and taking appropriate actions
- selecting and using required personal protective equipment (PPE) conforming to rail network and work health and safety (WHS)/occupational health and safety (OHS) standards.

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, and local rail regulations as they relate to heritage railway operations
- braking and safety system procedures
- heritage motive power unit controls, instruments and indicators, and their purpose, location and use
- heritage motive power unit monitoring devices, braking and drive equipment, ancillary systems and signalling systems
- operating controls to start, accelerate, decelerate and stop a heritage motive power unit
- rail network system of safeworking including workplace procedures and operating requirements
- rail safety, WHS/OHS, and environmental procedures and regulations
- requirements for completing relevant documentation during and after operating and monitoring a heritage motive power unit
- speed and load limits for a heritage motive power unit
- track/bridge limitations, speed limitations, gauge limitations, curves and gradients, curfews, location of signals and crossings, emergency crossovers and operation of a turntable
- typical faults that can occur on a heritage motive power unit and related actions that should be taken when repairing, isolating, replacing, reporting and recording faulty equipment
- workplace procedures for:
 - adjusting controls to maximise efficient and safe running
 - checking battery and fluid levels and/or lubrication of a heritage motive power unit in accordance with safety data sheets (SDS)/material safety data sheets (MSDS) and/or manufacturer instructions and workplace procedures
 - emergency response procedures
 - identifying equipment defects and assessing them for appropriate actions
 - managing safety incidents and hazardous situations that may arise when operating and monitoring a heritage motive power unit
 - minor maintenance, cleaning, lubricating and servicing of a heritage motive power unit
 - operating and monitoring a heritage motive power unit
 - operating and monitoring ancillary equipment on a heritage motive power unit
 - required protocol for operating electronic communications equipment.

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 PPE 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>