Assessment Requirements for TLIC3030 Operate and monitor a heritage steam locomotive

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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 Performance Evidence
- 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 steam locomotives and associated equipment and procedures
- checking and replenishing fluids and carrying out lubrication processes on a heritage steam locomotive
- communicating effectively and working collaboratively with others as part of a train crew
- completing relevant documentation
- identifying job hazards and taking required actions to minimise, control or eliminate identified hazards
- interpreting and following operational instructions and prioritising work
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring heritage steam locomotive performance
- reading and interpreting relevant instructions, procedures, information and signs relevant
- recognising problems that may arise when operating and monitoring a heritage steam locomotive and taking appropriate actions.

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
- communicating and working collaboratively with train crew, network control officer and other relevant personnel requirements
- documentation requirements when operating and monitoring a steam locomotive performance
- heritage steam locomotive controls, instruments and indicators and their purpose, location and use
- operating controls to start, accelerate, decelerate and stop a heritage steam locomotive
- rail danger zones
- rail resource management principles as they apply to operating and monitoring heritage steam locomotive performance
- rail safety, work health and safety (WHS)/occupational health and safety (OHS), and environmental procedures and regulations
- speed and load limits for a heritage steam locomotive
- steam engine operation principles, monitoring devices, braking equipment, ancillary systems and signalling systems
- track and bridge limitations, speed limitations, gauge limitations, curves and gradients, curfews, location of signals and crossings, emergency crossovers and operation of a turntable
- train schedules, heritage steam locomotive allocation and operational instructions
- typical faults that can occur on a heritage steam locomotive 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
  - braking and safety system 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 heritage steam locomotive performance
  - minor maintenance, cleaning, lubricating and servicing a heritage steam locomotive
  - operating and monitoring a heritage steam locomotive
  - operating and monitoring the performance of ancillary equipment on a heritage steam locomotive
  - operating requirements for a heritage steam locomotive.

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:

- relevant and appropriate materials, tools, equipment and personal protective equipment (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