



Australian Government

Assessment Requirements for TLIW0006 Heat and cut materials using oxy-LPG equipment for the rail industry

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 equipment in accordance with operating procedures
- applying relevant safeworking system and workplace procedures
- complying with organisational policies and procedures, including quality requirements
- complying with site safety plan and work health and safety (WHS)/occupational health and safety (OHS) legislation, regulations and codes of practice applicable to workplace operations
- identifying job hazards and taking required action to minimise, control or eliminate identified hazards
- identifying, selecting and effectively using relevant materials and equipment in accordance with safety data sheets (SDS)/material safety data sheets (MSDS) and/or manufacturer instructions and workplace procedures
- interpreting and following operational instructions and prioritise work
- locating, interpreting and applying relevant information, standards and specifications
- maintaining equipment to manufacturer specifications
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring work activities in terms of planned schedule
- planning own work, including predicting consequences and identifying improvements
- reading and interpreting relevant instructions, procedures, information and documentation
- reporting and rectifying problems, faults and malfunctions that may occur in accordance with workplace procedures
- using oxy-LPG equipment to heat and cut materials to manufacturer specification and workplace procedures
- using tools, plant and equipment safely and effectively
- working systematically with required attention to detail without injury to self or others, or damage to goods or equipment.

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:

- characteristics from SDS/MSDS and workplace procedures
- correct storage of materials and environmentally friendly waste management
- hazards that may occur and ways of controlling the risks involved
- job safety analysis (JSA) and safe work method statements (SWMS)
- LPG heating and cutting equipment types, characteristics, uses and limitations
- oxy-LPG heating and cutting equipment set-up and operating techniques
- problems that may occur and action that can be taken to resolve these problems
- rail stresses
- regulations relating to heating and cutting materials for the rail industry using oxy-LPG equipment
- relevant rail danger zones
- relevant WHS/OHS and environmental protection procedures and guidelines.

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 or, where this is not available, 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 personal protective equipment (PPE) currently used in industry
- applicable documentation including workplace procedures, regulations, rail network standards, SDS/MSDS, 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>