Assessment Requirements for TLIW0008 Weld rail using flashbutt welding process

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 25 separate occasions and include:

- applying relevant safeworking and workplace procedures
- carrying out required welding operations
- checking compliance of work with job specifications
- identifying job hazards and taking required action to minimise, control or eliminate identified hazards
- implementing contingency plans
- implementing required fire control workplace procedures
- interpreting and following rail network standards and operational instructions including following scheduled work process
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring work activities in terms of planned schedule
- operating flashbutt welding equipment in accordance with workplace procedures
- planning scheduled work including predicting consequences and identifying improvements
- reading and interpreting relevant instructions, procedures, route information and signs
- reporting and/or rectifying identified problems, faults or malfunctions, in accordance with workplace procedures
- selecting and using required personal protective equipment (PPE)
- working collaboratively with others
- working systematically with required attention to detail without injury to self or others, or damage to 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 of relevant plant and equipment, transport, structures, hardware and components used in work activities

- emergency management plan including firefighting and other safety equipment
- hazardous situations and related personal protection measures
- hazards that may exist when welding rail using the flashbutt welding process, and ways of controlling the risks involved
- materials identification, handling and storage, safety data sheets (SDS)/material safety data sheets (MSDS) and/or manufacturer instructions
- problems that may occur when using the flashbutt welding process and equipment, and action that can be taken to report or resolve these problems
- rail welding network standards
- relevant recording and documentation procedures
- technical knowledge relevant to flashbutt welding
- work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- workplace procedures for operating flashbutt welding equipment
- workplace procedures for welding rail using the flashbutt welding process.

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.

Practical assessment of twenty-five (25) successful flashbutt welds in an appropriate range of situations in the rail corridor workplace is required.

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, welding equipment and 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