



Australian Government

Assessment Requirements for UEERS0025 Maintain active level crossing equipment

Release: 1

Assessment Requirements for UEERS0025 Maintain active level crossing equipment

Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

This unit replaces and is equivalent to UEERS0005 Install and maintain active level crossing equipment.

Modifications this release include:

- Title changed.
- Application updated to reflect title change.
- Element titles and performance criteria amended to reflect title change.
- Performance criteria 1.6, 2.2, 3.2 and 3.4 added.
- Performance and Knowledge Evidence updated for clarity.

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 two separate occasions and include:

- identifying and implementing:
 - required workplace procedures and practices
 - relevant WHS/OHS requirements, including identifying risks and applying control measures
 - rail safe working practices and relevant industry standards, codes and rail safety regulations
 - environmental protection procedures and requirements and sustainable energy principles and practices
- interpreting specifications correctly
- preparing to maintain active level crossing equipment for roads and pedestrians
- identifying tools and equipment required for maintenance and using them correctly
- recertifying electrically-operated level crossing equipment to operational requirements
- using appropriate fault-finding techniques
- maintaining electrically-operated level crossing equipment to operational requirements
- maintaining active level crossing equipment
- organising work to minimise road and rail traffic disruptions
- completing relevant technical reports, records and documentation
- dealing with unplanned events.

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:

- active level crossing equipment maintenance including:
 - rail signalling and active level crossing equipment
 - equipment and their components encompassing:
 - visual and audible warnings
 - barriers
 - control systems
 - alarm monitoring
 - operating principles and parameters encompassing:
 - controls
 - remote alarm monitoring
 - failure modes
 - emergency operation
 - interpreting circuits diagrams to evaluate correct operation and relationship to other signalling circuits
 - correct operation in accordance with control and locking tables
 - servicing procedures encompassing:
 - maintenance documentation
 - coordination/planning sequence
 - operational test procedures
 - scheduled/preventative maintenance
 - unscheduled/corrective maintenance
 - certification of active level crossing equipment
 - certifying procedures applicable for compliance with rail operator and/or enterprise standards
- WHS/OHS requirements including:
 - relevant job safety assessments or risk mitigation processes
 - legislated requirements
 - rail safe systems of working
 - safety management system
 - safe working practices
- relevant standards (scope of AS7658 Level Crossings), codes and regulations
- relevant manufacturer specifications and manuals
- relevant workplace policies and procedures, including rail transport operator safety management system.

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 suitable workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in suitable simulated workplace operational situations that replicate 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 other simulations
- relevant and appropriate materials, tools, facilities, equipment and personal protective equipment (PPE) currently used in industry
- resources that reflect current industry practices in relation to maintaining active level crossing equipment
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>