



Australian Government

Assessment Requirements for UEERS0026 Maintain communications based signalling equipment

Release: 1

Assessment Requirements for UEERS0026 Maintain communications based signalling equipment

Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology 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 two separate occasions and include:

- following relevant codes of practice, work health and safety (WHS)/occupational health and safety (OHS) sustainable energy principles and practices and environmental protection procedures and requirements
- applying rail safe working practices and relevant industry standards, codes and rail safety regulations
- interpreting standards and procedures correctly
- completing pre-service tasks correctly
- establishing connection to equipment
- completing maintenance on communications based signalling equipment in accordance with schedule and operational requirements
- using appropriate diagnostic and fault-finding techniques
- organising work to minimise road and rail traffic disruptions
- using tools correctly
- completing relevant technical reports, records and documentation.

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:

- architecture of the communications based signalling equipment
- identifying the communications path between trackside and trainborne systems
- identifying the means of enforcement of train authorities
- identifying the train location equipment
- identifying the train authority management system
- degraded mode of operation of the trackside system and total system
- cyber security relevant to the system
- communications based signalling equipment maintenance WHS/OHS legislated requirements, safe working practices and relevant standards, codes and regulations

- relevant job safety assessments or risk mitigation processes
- safety management system
- relevant manufacturer specifications.

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 communications based signalling 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>