



Australian Government

UEERS0007 Install and maintain non-vital screen-based control systems

Release: 1

UEERS0007 Install and maintain non-vital screen-based control systems

Modification History

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

Application

This unit involves the skills and knowledge required to install/maintain non-vital indication screen-based control systems on rail networks.

It includes preparing and installing/maintaining non-vital screen-based control systems. It also includes completing installation/maintenance of non-vital screen-based control systems.

Persons achieving competence in this unit will need to fulfil the applicable state/territory legislated rail safety requirements and to comply with relevant codes of practice, rules and/or guidelines.

No other licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

Competency Field

Rail Signalling

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to install/ non-vital screen-based

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1.1 Work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace procedures

- control systems** for a given work area are identified, obtained and understood
- 1.2 Hazards are identified, WHS/OHS risk are assessed, and control measures and workplace procedures are followed in preparation for the work
 - 1.3 Scope of maintenance is determined from maintenance schedules, job specifications, drawings and regulatory requirements
 - 1.4 Appropriate rail safe working person/s is consulted to ensure work is coordinated effectively with others involved on the worksite
 - 1.5 Materials needed for installation/maintenance work are obtained in accordance with workplace procedures and checked against job specifications
 - 1.6 Tools, equipment and testing devices needed to install/maintain work are obtained in accordance with workplace procedures and checked for correct operation and safety
- 2 Install/maintain non-vital screen-based control systems**
- 2.1 WHS/OHS risk control measures and workplace procedures for installation/maintenance of non-vital screen-based control systems are followed
 - 2.2 Non-vital screen-based control systems are installed/maintained to comply with technical industry standards, job specifications and requirements
 - 2.3 Control system fault-finding and repairs are performed efficiently, without waste of materials, damage to apparatus, the surrounding environment or services using sustainable energy practices
 - 2.4 Control system faults are verified using relevant technical industry standard information, fault-finding and diagnostic techniques to identify faulty control equipment
 - 2.5 Faulty modules are replaced, adjusted and secured in accordance with manufacturer specifications and workplace procedures
 - 2.6 Methods for dealing with unplanned situations/events are selected on the basis of safety and specified work outcomes

- 3 Complete non-vital screen-based control system installation/maintenance**
- 3.1** WHS/OHS risk control measures and workplace procedures for carrying out work are followed
 - 3.2** Control equipment is inspected, adjusted and tested using workplace test procedures and equipment to ensure system operates within specified technical industry standards
 - 3.3** Control system faults identified beyond the scope of first level maintenance are reported for follow-up action in accordance with workplace procedures
 - 3.4** Inspection and test results are documented in accordance with workplace procedures and, as required, faulty and/or replaced module/s are tagged with relevant reports

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UEE Electrotechnology Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEENEEN106A Install and maintain non-vital screen based control systems.

Links

Companion Volume implementation guides are found in VETNet - -

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