



Australian Government

Assessment Requirements for UEEEL0069

Select and arrange equipment for special LV electrical installations

Release: 2

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Modification History

Release 2. Minor change. Typographic error in prerequisites corrected.

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, performance criteria and range of conditions on at least two separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace procedures and practices, including using risk control measures
- applying sustainable energy principles and practices
- completing workplace documentation
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- selecting and arranging equipment for special electrical installations, including:
 - arranging special electrical installations to comply with safety, other regulatory and functional requirements, technical industry standards and job specifications
 - documenting installation arrangements, specifications for items selected and reasons for the selections made
 - selecting appropriate earthing components that meet multiple earthed neutral (MEN) system requirements in special installations
 - selecting appropriate type and size of cables that are suitable for the environment requirements and meet current-carrying capacity, voltage-drop and fault-loop impedance requirements
 - selecting protection methods and devices that meet coordination requirements for overload and short circuit protection
 - selecting switchgear and control gear that meet current, voltage and ingress protection (IP) ratings and functional requirements.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- relevant manufacturer specifications

- relevant workplace documentation
- relevant workplace policies and procedures
- technical industry standards, regulations and codes for special electrical installations, including:
 - scope of relevant industry standards for special installations, including additional industry standard wiring rules requirements
 - transportable structures and vehicles, including their site supplies
 - construction and demolition sites
 - marinas
 - electromedical treatment areas (patient areas)
 - shows and carnivals
- awareness of high voltage (HV) consumer installations standards.

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
- applicable documentation, including workplace procedures, equipment specifications, regulations, relevant industry standards, 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>