



Australian Government

**Assessment Requirements for UEECD0028
Plan an integrated cabling installation
system**

Release: 1

Assessment Requirements for UEECD0028 Plan an integrated cabling installation system

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, 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, including using risk control measures
- communicating effectively with relevant internal and external stakeholders
- completing workplace documentation
- complying with relevant industry technical standards, codes of practice and regulations
- planning integrated cabling installation, including:
 - arranging cables into circuits safely ensuring services function correctly
 - choosing appropriate type and size of cables for immediate and future services
 - dealing with unplanned events in accordance with workplace procedures
 - determining immediate and future cabling needs accurately
 - determining immediate and future location of systems/service items devices and accessories
 - determining immediate and future systems, service items, devices and accessories
 - developing an effective cable identification labelling scheme
 - documenting cabling plan including supporting justification
 - planning cable routes and specifying effective support and protection methods
 - selecting cabling for protective and functional earthing
 - specifying compliant termination methods for cables intended for future use.

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:

- cable identification labelling scheme
- cable sizes, types and capacity
- electrical circuits

- installation compliance requirements
- methods for terminating cables
- protective and functional earthing techniques
- relevant cabling routes and support methods to protect against damage
- relevant electrical regulations and codes of practice
- relevant industry and technical standards
- relevant job safety assessments or risk mitigation processes
- relevant manufacturer specifications
- relevant systems, including:
 - age and assisted living
 - digital home health
 - energy management
 - entertainment
 - information and communications
 - intelligent lighting and power
 - security and safety
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies and procedures.

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 workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in 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, equipment and personal protective equipment (PPE) currently used in industry
- 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>