Australian Government

Assessment Requirements for UEEDV0001 Assemble and connect telecommunication frames and cabinets

Release: 1

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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:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including implementing risk control measures
- applying sustainable energy principles and practices
- checking and testing quality of assembled telecommunication frame and cabinet, including adhering to quality procedures
- completing work report forms
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- determining and using appropriate solutions in accordance with workplace procedures
- following assembly instructions
- identifying, assembling and connecting telecommunication frame and cabinet
- isolating in accordance with relevant industry standards
- making connection without damaging apparatus
- obtaining relevant equipment, tools, testing devices and materials
- seeking advice from supervisor
- using manufacturer instructions.

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:

- cabinet internal cable routing and management provisions
- cabinet ventilation requirements
- cabinet structure, including:
  - internal framework
  - cable entry
  - removable panels
  - multiple cabinets

- doors, locks and hinges
- mounting rails
- access to equipment and cabling
- earthing arrangements and methods
- mounting requirements for components, including:
  - rack units
  - patch panels
  - routers
  - servers
- communication cable and conductor terminations, including:
  - approved termination devices and sockets
  - special termination tools and their use
  - cable colour coding up to 100 pair indoor and outdoor cable
- methods of terminating cables, including:
  - cables less than twenty pair
  - twenty pair cable and greater
  - structured cables
  - coaxial cables
  - optical fibre cables
  - termination safety practices
- cable labelling devices, including quality checks and tests
- component installation and interconnections
- relevant job safety assessments or risk mitigation processes, including risk control measures
- relevant manufacturer specifications and instructions
- relevant tools, equipment and testing devices
- relevant WHS/OHS legislated requirements
- relevant workplace documentation and diagrams
- relevant workplace policies and procedures
- sustainable energy principles and practices
- telecommunication cabinet assembly, cabling and terminations.

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