Australian Government

Assessment Requirements for UEEDV0004 Install and connect data and voice communication equipment

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Modification History

Release 2. This minor update is to amend the Performance Criteria numbering.

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 (WHS/OHS) requirements, including using risk control measures
- carrying out communications equipment installation without waste of materials or damage to communications equipment, circuits, surrounding environment and/or services using sustainable energy principles
- completing and reporting installation activities
- completing required documentation
- connecting communications equipment
- dealing with unplanned events
- dealing with unplanned situations
- installing communications equipment and associated equipment
- installing communications equipment with sufficient access to affect terminations, adjustments and maintenance
- obtaining and checking tools, equipment and testing devices
- placing and securing communications equipment accurately
- planning location of communications equipment and associated equipment
- preparing to install communications equipment and associated equipment
- terminating cabling
- testing communications equipment.

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:

- analogue and digital signals
- basics of encoding networking signals

- internet services
- local area network (LAN) architectures
- network signal propagation
- networking protocols and the open systems interconnection (OSI) model
- problem-solving techniques
- relevant building structure and significants
- relevant industry standards
- relevant manufacturer specifications and operating instructions
- relevant job safety assessments or risk mitigation processes
- relevant tools, equipment and testing devices
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace quality, policies and procedures
- sustainable energy principles
- transmission control protocol (TCP)/internet protocol (IP)
- types of networks, network components and hardware.

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 simulated suitable 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 simulations
- relevant and appropriate materials, tools, facilities and equipment currently used in industry
- resources that reflect current industry practices in relation to installing and connecting voice and data communications 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