



Australian Government

Assessment Requirements for UEEDV0002 Install aerial telecommunication cables

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 one occasion and include:

- reading and interpreting drawings related to cable schedules and routes
- installing catenary cables correctly
- attaching communications cable to catenary without damage
- protecting cable ends
- completing the necessary documentation accurately
- dealing with unplanned events
- applying relevant work health and safety (WHS)/occupational health and safety (WHS/OHS) requirements, including using risk control measures
- carrying out cable installation efficiently without waste of materials or damage to apparatus, circuits or the surrounding environment using sustainable energy practices
- checking poles for soundness
- documenting and verifying cabling installation
- installing aerial communication cables
- obtaining material required for installation
- obtaining tools, equipment and testing devices and checking for correct operation and safety
- planning cable routes in accordance with precinct, structure, significant and relevant industry standards
- preparing to install aerial communication cables
- quality checking the installed aerial communication cables.

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:

- telecommunication aerial cabling requirements and techniques, safe working practices and relevant standards, codes and regulations, including:
 - hazards and control measures in aerial cabling working environment encompassing:
 - risk management and assessment of risk:
 - principle and purpose of risk management

- processes for conducting a risk assessment
- hazards associated with low voltage (LV), extra-low voltage (ELV) and high currents encompassing:
 - parts of an electronic systems and equipment that operate at LV and ELV
 - parts of an electronic systems and equipment where high currents are likely
- risks and control measures associated with high voltage (HV) encompassing:
 - parts of an electronic systems and equipment that operate at HV
 - the terms ‘touch voltage’, ‘step voltage’, ‘induced voltage’ and ‘creepage’ as they relate to the hazards of HV
 - control measures used for dealing with the hazards of HV
- risks and control measures associated with LV encompassing:
 - risks associated with installation, fault finding, maintenance and repair
 - control measures before, while and after working on electronic systems or equipment
 - isolation and tagging-off procedures
 - risks and restrictions in working live
 - control measures for working live
- risks and control measures associated with working on aerial cables encompassing:
 - soundness of pole for aerial cabling
 - use of aerial safety equipment
 - procedure to apply pole top rescue
- aerial construction methods and regulations
- joining aerial cables
- problem-solving techniques
- relevant manufacturer specifications and operating instructions
- relevant tools, equipment and testing devices
- relevant workplace documentation
- relevant workplace quality, policies and procedures
- sustainable energy practices.

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 aerial communication cables
- 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>