



Australian Government

Assessment Requirements for UEERL0006 Attach HV flexible cables and plugs

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

- applying relevant industry standards
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including using risk control measures
- applying quality, workplace procedures and instructions
- attaching flexible cables and plugs to electrical equipment connected to high voltage (HV) electrical equipment
- attaching, replacing and repairing flexible cables and plugs connected to HV electrical equipment
- connecting flexible cables and plugs to multi-phase appliances
- dealing with unplanned events in accordance with problem-solving techniques and workplace procedures
- inspecting and testing flexible cables, plugs and electrical equipment connected to HV electrical equipment for operation and safety
- planning and preparing to attach flexible cables and plugs connected to HV electrical equipment
- providing status reports.

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:

- flexible cords/cables and plugs to suit given HV applications, including:
 - flexible cables and plugs to suit given HV applications
 - types of multi-phase plug HV for a specific load and ingress protection (IP) rating requirements
- safety of a HV electrical apparatus (including basic principles of its operation non-mathematical and control) of an appliance for connection to the supply, including:

- appropriate test equipment to check that apparatus is safe
- procedures to be followed to ensure the correct use of test equipment
- basic principles of operation and control of apparatus supplied by the flexible cables and plugs
- test results that show apparatus is unsafe
- connection of flexible cables and plugs to multi-phase appliances, including:
 - preparation of flexible cables for connection to HV apparatus
 - connection of flexible cables to HV apparatus
 - connection of a HV plug to a flexible cable
- safety of flexible cable and plug assembly, including:
 - plug and cord testing procedures
 - safe operation of apparatus supplied by HV cable and plug assembly
- connection of flexible cables and plugs to multi-phase appliances
- flexible cords/cables and plugs to suit given HV applications
- problem-solving techniques
- relevant job safety assessments or risk mitigation processes
- relevant manufacturer specifications
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies, procedures and instructions
- safety of flexible cable and plug assembly
- types of multi-phase plug HV for specific load and IP rating requirements.

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, equipment and personal protective equipment (PPE) currently used in industry
- resources that reflect current industry practices in relation to attaching flexible cables and plugs to a variety of electrical equipment connected to a HV supply

- 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>