



Australian Government

Assessment Requirements for UEEIC0023 Install instrumentation and control cabling and tubing

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:

- acquiring relevant materials, tools, equipment and testing devices
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including identifying risk control measures
- applying sustainable energy principles and practices
- checking installed wiring is compliant
- communicating and dealing with other person/s when scheduling and planning work
- completing and reporting installation activities
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- identifying and installing cabling, tubing and accessories
- placing and securing accessories in accordance to specified drawings
- routing, placing and securing cables and tubing to comply with requirements
- terminating cables and tubing to comply with requirements.

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:

- instrumentation cable types and terminations, including:
 - cable specifications
 - cable applications
 - cable preparation
 - cable termination
 - connection hardware
- instrumentation pneumatic/hydraulic control tubing/piping, including:
 - control tubing/piping

- pneumatic/hydraulic terms
- cutting pipe tubing/piping
- bending, shaping/setting pipe and tubing
- joining connecting/terminating tubing/ piping
- instrumentation air supply maintenance
- job safety assessments or risk mitigation processes, including risk control measures
- relevant manufacturer specifications
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies and procedures
- sustainable energy principles and 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 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>