



Australian Government

Assessment Requirements for UEEIC0003

Assist in commissioning process and instrumentation control systems

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 work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - using risk control measures
- assisting in commissioning process control systems
- carrying out commissioning assistance without waste of materials or damage to apparatus, the surrounding environment or services using sustainable energy principles
- checking and isolating circuits
- checking preparatory work to ensure no damage has occurred
- connecting and setting up commissioning testing/measuring devices in accordance with relevant industry standards for particular control system and work instructions
- dealing with unplanned situations with decisions from discussions with relevant person/s and/or job specifications
- determining need to test and measure live work
- documenting adjustment settings in accordance with workplace procedures
- identifying measurement parameters by reviewing process requirements and equipment manufacturer instructions
- identifying roles of each commission team member
- making adjustments to provide optimum transmission/reception performance
- obtaining tools, equipment and testing devices required for work
- preparing to assist in commissioning process control systems
- setting up and adjusting process instruments and apparatus in accordance with relevant industry standards for process control, equipment manufacturer instructions and work instructions.

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:

- isolation procedures
- problem-solving techniques
- process instruments and apparatus
- relevant commissioning process, including:
 - commissioning planning and documentation
 - procedures for commissioning instrumentation
 - purpose and importance of documentation
 - purpose of commissioning
- relevant industry standards for control system
- relevant manufacturer specifications and operating instructions
- relevant measurement parameters
- relevant job safety assessments or risk mitigation processes
- relevant tools, equipment and testing/measuring device
- relevant WHS/OHS legislated requirements
- relevant workplace documentation, including:
 - commissioning plan
- relevant workplace instructions, policies and procedures
- sustainable energy principles.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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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 assisting in commissioning process control systems
- 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>