



Australian Government

Assessment Requirements for UEEIC0048

Verify compliance and functionality of instrumentation and control installations

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
- checking accuracy and clarity of control apparatus marking
- checking and isolating circuits/machines/plant
- checking for correct operation of tools, equipment and testing devices
- checking instrument cabling and tubing for non-compliance defects
- checking preparatory work to ensure no damage has occurred and work is in accordance with relevant industry standards
- completing verification documentation
- confirming instrument cabling and tubing, type and configuration/sizing for installation
- identifying defects of non-compliance and recommending rectifying defects
- identifying non-compliance results
- preparing instrumentation and control installations
- reviewing control apparatus and installation requirements
- testing and measuring live circuits
- using effective methods for conducting inspections and tests
- visually inspecting instrumentation and control installation.

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:

- problem-solving techniques
- relevant circuits/machines/plant
- relevant control installations to industry standards
- relevant inspection and test methods

- relevant inspection, test and measurement methods for live work
- relevant instrument cabling and tubing for installation
- relevant isolation procedures
- 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, including
 - verification and compliance industry standards
- relevant workplace instructions, policies and procedures.

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 verifying compliance and functionality of process control installations
- 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>