



Australian Government

Assessment Requirements for UEEIC0046 Troubleshoot process control systems

Release: 1

Assessment Requirements for UEEIC0046 Troubleshoot process control systems

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
- completing and reporting fault-finding and rectification activities
- dealing with unplanned situations with the approval of relevant person/s
- dismantling apparatus components
- documenting work and notifying relevant person/s
- documenting work tasks and rectifications to workplace procedures
- identifying sources of materials required for work
- inspecting and isolating apparatus
- inspecting, testing and measuring live work
- measuring and calculating control apparatus and systems values of parameters to find faults
- obtaining the scope to the fault
- obtaining tools, equipment and testing devices to carry out work
- rectifying faults without damage
- using sustainable energy practices.

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:

- intermittent faults and relevant causes of intermittent faults
- effect to cause reasoning - assumptions of possible causes
- inspection and testing procedures
- isolation procedures
- methods for testing
- problem-solving techniques

- relevant control apparatus and systems
- relevant factors and the nature of a fault
- relevant job safety assessments or risk mitigation processes
- relevant manufacturer specifications and operating instructions
- relevant measuring parameters
- relevant methods for testing assumptions
- relevant tools, equipment and testing devices
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace instructions, policies and procedures
- sustainable energy principles.

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 finding and rectifying faults in 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>