



Australian Government

Assessment Requirements for UEEIC0037

Set up weighting measuring and control instruments

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
- arranging and adjusting measuring instruments in accordance with workplace procedures and manufacturer instructions
- carrying out work without waste of materials or damage to apparatus, the surrounding environment or services using sustainable energy practices
- checking preparatory work to ensure no damage has occurred
- consulting with relevant person/s to coordinate with others
- dealing with unplanned situations by discussing with relevant person/s and documenting in accordance with WHS/OHS requirements
- documenting adjustment settings and notifying relevant person/s in accordance with workplace procedures
- identifying measurement parameters
- obtaining and checking tools, equipment and testing devices
- preparing weighting measuring instruments
- testing and measuring live circuits in accordance with WHS/OHS and workplace procedures.

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:

- methods of weighing and common factors affecting weighing system performance
- methods of weighing materials in motion
- principles of operation of various load cells in common use
- principles of strain gauge measurement
- problem-solving techniques

- relevant circuits/machines/plant
- relevant industry standards
- relevant isolation procedures
- relevant job safety assessments or risk mitigation processes
- relevant manufacturer specifications and operating instructions
- relevant materials, apparatus, environment and services
- relevant measurement parameters
- relevant measuring instruments
- relevant tools, equipment and testing devices
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace instructions, policies and procedures
- sustainable energy principles
- weighing and the relationship between force and weighing.

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 suitable 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 setting up weight measuring and control instruments
- 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>