



Australian Government

Assessment Requirements for UEEIC0036

Set up water analysis 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 instrument manufacturer instructions
- carrying out work efficiently without waste of materials or damage to apparatus, the surrounding environment or services using sustainable energy principles
- checking preparatory work to ensure no damage has occurred
- completing and reporting set-up activities
- connecting and arranging testing/measuring devices
- dealing with unplanned situation by discussing with relevant person/s and documenting
- determining need to test and measure live work
- documenting adjustment settings in accordance with workplace procedures
- identifying measurement parameters
- isolating circuits/machines/plant
- obtaining tools, equipment and testing devices required for work
- preparing to arrange water analysis measuring instruments.

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:

- industrial applications of specified water analysis equipment
- principle of operation of an analyser measuring elements
- principle of operation of an analyser sensor
- problem-solving techniques
- relevant circuits/machines/plant
- relevant water measuring and control instruments

- relevant installation requirements for specified analysers
- relevant isolation procedures
- relevant manufacturer specifications and operating instructions
- relevant job safety assessments or risk mitigation processes
- relevant system checks and instrument calibration
- relevant terms associated with industrial water analysis equipment
- relevant tools, equipment and testing devices
- relevant water analyser maintenance procedures
- 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 practice in relation to arranging water analysis 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>