![Australian Government]

Assessment Requirements for UEERA0054 Maintain microbial control of refrigeration and air conditioning 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 legislative, industry standards, codes and practices
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace procedures and practices, including using risk control measures
- applying sustainable energy principles and practices
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- determining and arranging for corrective action of non-compliant apparatus
- documenting maintenance work
- following maintenance schedule
- following quality assurance and risk management compliance processes
- inspecting and evaluating apparatus for quality assurance and risk compliance
- interpreting maintenance schedule requirements correctly
- planning to maintain microbial control of air and water system
- sampling water condition.

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:

- harmful microbes and the effects if left uncontrolled
- maintenance microbial control of refrigeration and air conditioning system, including:
  - data acquisition
  - inspection techniques
  - maintenance plans
  - plant history cards/files
  - predictive maintenance

- - principles and function
  - recording methods
  - systems and terminology
- methods of controlling harmful microbes, including regular cleaning/decontamination of effected plant, sample testing and approved treatment
- microbial control safe working practices and relevant industry standards, codes of practice and regulations
- relevant air and water system manufacturer specifications
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes, including safe handling and application of treatment materials
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies and procedures
- types of air and water systems that require control of harmful microbes.

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 situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated 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 other simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- 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

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