



Australian Government

Assessment Requirements for UEERA0008 Audit HVAC/R control systems for compliance with regulations and standards

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 one occasion and include:

- interpreting compliance documents
- setting up and conducting appropriate examinations and tests
- identifying non-compliance defects
- reporting examination and test results and non-compliance issues clearly and accurately
- applying relevant work health and safety (WHS)/occupational health and safety (WHS/OHS) requirements, including using risk control measures
- auditing heating, ventilation and air conditioning/refrigeration (HVAC/R) control systems for compliance with regulations and standards
- completing auditing work and documenting results
- dealing with unplanned situations
- preparing to audit HVAC/R control systems.

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:

- HVAC/R control system audits, safe working practices and relevant standards, codes and regulations, including:
 - review of HVAC/R system components
 - performance requirements of control applications from available system specifications and design briefs
 - descriptions of operation
 - measurements and recordings of system performance, as required to confirm plant control compliance with desired conditions
 - comparison of system specifications, control strategies, design briefs and recorded test results with current HVAC/R energy management principles to establish the economy of operation of HVAC/R plant

- preparation a detailed report outlining the results of investigation and stating suggested control system adjustments, alterations and modifications to improve the performance of the plant
- relevant job safety assessments or risk mitigation processes
- relevant manufacturer specifications
- relevant systems for compliance with regulations and relevant industry standards
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace 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
- 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>