



Australian Government

Assessment Requirements for UEECS0002

Analyse and implement biometric measuring techniques and applications

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:

- analysing and implementing biometric techniques and applications
- analysing and implementing hardware and software required for biometric system
- applying relevant industry standards and/or codes of practice
- applying relevant work health and safety (WHS)/occupational health and safety (WHS/OHS) requirements, including using risk control measures
- assembling work group/team
- dealing with unplanned situations
- documenting and recording results in accordance with workplace procedures
- evaluating technology techniques and applications for biometric use
- identifying technical requirements for the design and system rollout in criminal, civil and commercial settings
- incorporating safety, functional and budgetary requirements into installation design plan, analysis and evaluation
- preparing to analyse and implement biometric systems
- reporting on biometric system analysis and implementation
- testing and documenting correct operation of system functions.

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:

- forms of automatic data capture, advantages and disadvantages
- functional design and construction of a simple system
- interfacing issues between systems involving different hardware and software
- problem-solving techniques
- relevant criminal, civil and commercial settings
- relevant hardware, software, tools, equipment and testing devices

- relevant industry standards
- relevant manufacturer specifications and operating instructions
- relevant job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated requirements
- relevant workplace budgets, timelines, policies and procedures
- relevant workplace documentation
- technical principles, parameters and processes underpinning each biometric system technology in identity and verification recognition
- typical selection, evaluation and testing criterion and methods of biometrics systems.

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 analysing and implementing a biometric system for in field use
- 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>