



Australian Government

UEECS0030 Set up, configure and test biometric devices

Release: 1

UEECS0030 Set up, configure and test biometric devices

Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

Application

This unit involves the skills and knowledge required to set up, configure and test biometric devices.

It includes working safely, following written and oral instructions, applying knowledge of biometric devices, installing and testing performance, and documenting outcomes.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable

Competency Field

Computer Systems

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to set up and test biometrics devices

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- | | |
|------------|--|
| 1.1 | Work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace procedures for a given work area are identified, obtained and applied |
| 1.2 | Scope of device, set-up and configuration work is determined from job specifications and in consultation |

- with relevant person/s
- 1.3** Relevant person/s is consulted to ensure work is coordinated effectively with others involved on the worksite
 - 1.4** Hardware, software and materials required for work are obtained in accordance with workplace procedures and job specifications
 - 1.5** Tools and testing devices needed to carry out work are obtained and checked for correct operation and safety
- 2 Set up and test biometric devices**
- 2.1** Circuits/equipment are checked and isolated in accordance with WHS/OHS requirements and workplace procedures
 - 2.2** Layout of biometric system network hardware, cabling and outlets is determined from job specifications and/or in consultation with relevant person/s
 - 2.3** Hardware is set up in accordance with network requirements, workplace procedures and job specifications
 - 2.4** Biometric devices are set up and configured in accordance with network requirements, workplace procedures and job specifications
 - 2.5** Biometric devices on a network are tested and anomalies identified and corrected
 - 2.6** Biometric device failures are responded to and rectified in accordance with network requirements, workplace procedures and job specifications
 - 2.7** Biometric device work is carried out efficiently without waste of materials or damage to apparatus, the surrounding environment or services using sustainable energy practices
 - 2.8** Identified causes of reported problems are rectified and biometric devices are tested in accordance with workplace procedures
 - 2.9** Unplanned situations are dealt with safely and with the approval of relevant person/s
- 3 Complete set-up and testing and report**
- 3.1** Work area is cleaned and made safe in accordance with

outcomes

workplace procedures

- 3.2** Biometric device installation and maintenance records are maintained in accordance with workplace procedures
- 3.3** Service report is completed and forwarded to relevant person/s in accordance with workplace procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UEE Electrotechnology Training Package Companion Volume Implementation Guide.

Setting up and testing must include at least the following:

- four different types of biometric devices

Unit Mapping Information

This unit replaces and is equivalent to UEENEED153A Set up, configure and test biometric devices.

Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>

Assessment Requirements for UEECS0030 Set up, configure and test biometric devices

Modification History

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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 the use of risk control measures
- carrying out biometric device work efficiently without waste of materials or damage to apparatus, the surrounding environment or services using sustainable energy practices
- checking and isolating circuits/equipment
- completing set-up, testing and reporting
- dealing with unplanned situations
- determining layout of biometric system network hardware, cabling and outlets
- identifying and rectifying problems
- obtaining hardware, software and materials required for work
- placing equipment in accordance with regulatory and customer requirements
- preparing to set up and test biometrics devices
- responding to system anomalies to effect functionality of devices
- selecting appropriate equipment
- setting up and testing biometric devices
- testing and verifying functional operation of devices.

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:

- biometric device tools, software and testing techniques
- biometrics techniques and processes, including definitions, terminology, advantages, disadvantages and applications
- legal aspects of biometrics
- physical interaction with biometric devices, including operation and installation of biometric devices (e.g. iris scanners, hand scanners, voice recognition apparatus, facial recognition devices and relevant equipment)

- problem-solving techniques
- relevant hardware, software and materials
- relevant manufacturer specifications and operating instructions
- relevant job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace 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 practices in relation to setting up and testing biometric devices
- applicable documentation including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

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