



Australian Government

Assessment Requirements for UEECS0020 Evaluate and modify object-oriented code programs

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 and performance criteria on at least two separate occasions and include:

- applying computer functions to object-oriented programming
- applying relevant work health and safety (WHS)/occupational health and safety (WHS/OHS) requirements
- applying syntax to evaluating and modifying programs
- dealing with unplanned events
- developing testing procedures
- evaluating and modifying programs in object-oriented code
- identifying problem and bugs in code
- rectifying problem and bugs in code
- selecting relevant development kit and software
- testing and documenting modified programs in object-oriented code
- using key features of object-oriented programming to evaluate and modify program.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- object-oriented programming language elements
- object-oriented programming language operators and control structure
- problem-solving techniques
- relevant development kit and software currently used in industry
- relevant industry standards
- relevant specifications
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace instructions, quality, 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
- resources that reflect current industry practices in relation to evaluating and modifying programs written in object-oriented code
- 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>