



Australian Government

Assessment Requirements for UEECD0010

Compile and produce an energy sector detailed report

Release: 1

Assessment Requirements for UEECD0010 Compile and produce an energy sector detailed report

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:

- analysing energy sector report information
- applying relevant work health and safety (WHS)/occupational health safety (OHS) requirements
- collaborating with relevant person/s in compiling report
- compiling and producing an energy sector report, including:
 - identifying workplace policies and procedures
 - developing report brief incorporating scenarios and requirements
 - communicating with relevant person/s to determine report requirements
 - identifying scope and parameters of report
 - determining impact of related works
 - developing design brief incorporating scenarios and all requirements
- identifying source, availability and reliability of information for report
- obtaining approval for final energy sector report
- presenting and discussing report with relevant person/s, including presenting final report and reviewing and adjusting report to rectify anomalies
- successfully negotiating alterations to proposed report.

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:

- communicating with personnel, including:
 - oral communications
 - written procedures and work instructions
- communicating with suppliers
- communicating with customers
- purpose and extent of maintaining work activities records in an enterprise, including:

- types of records for maintaining work activities in an enterprise
- methods for recording and maintaining work records
- work records required by regulation requirements
- using basic computer functions including:
 - starting up
 - selecting application
 - entering information
 - saving
 - printing
- techniques of analysis, including:
 - use of appropriate sampling techniques to collect data
 - types of data and classification
 - effective questionnaire design
 - data collection errors
 - frequency tables
 - statistical diagrams drawing and interpretation
 - the general shape of a frequency distribution
 - different types of diagrams
 - mean time between failures calculations
- summary of statistics, including:
 - measures of central tendency
 - measures of dispersion
 - a 5-point summary for a given data set, box and whisker plot distribution
 - data sets comparison using measures of centre and spread
 - the effect of outliers on measures of centre and spread
 - use computer programs or calculators to simplify calculations
- correlation and regression, including:
 - bivariate data and scatter diagrams
 - product-moment correlation coefficient calculation and interpretation
 - difference between causation and correlation
 - equations of regression lines from bivariate data with a calculator and line plotting on a scatter diagram
 - using the equation of regression to make predictions in practical situations
 - investigation of practical problems using correlation and regression
- investigation and reporting, including:
 - presentation of a well formatted report with a clearly stated aim
 - using the internet to obtain relevant data
 - description of the statistical method and design chosen to meet the aim of the investigation
 - statistical analysis and results reporting

- evaluation and interpretation of the results of the investigation
- discussion of the investigation with reference to real world applications
- chronology of the investigation
- analysis techniques
- collaboration and communication techniques
- presentation and negotiation skills
- relevant job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies and procedures
- report writing techniques.

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>