



Australian Government

UEEEL0060 Prepare quotations for the supply of effective and efficient lighting products for lighting projects

Release: 1

UEEEL0060 Prepare quotations for the supply of effective and efficient lighting products for lighting projects

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 prepare quotations for supply of effective and efficient lighting products.

It includes identifying job specifications, and developing and submitting quotations to the customer.

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

Pre-requisite Unit

UEEEL0063 Provide photometric data for illumination system design

UEEEL0070 Select light sources and luminaries for given locations and designs

Competency Field

Electrical

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Identify job specifications for quotation

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) procedures for a given work area are identified, obtained and applied

1.2 WHS/OHS risk control measures and procedures are

	followed
	1.3 Scope of lighting products required is determined from job specifications and discussions with appropriate person/s
	1.4 Level of service quotation is determined from job specification, documented and agreement sought from appropriate person/s
	1.5 WHS/OHS policies and relevant industry standards are incorporated in work on which the quotation is based
	1.6 Timeline for the submission of the quotation is determined with the appropriate person/s
2 Develop quotation	2.1 Lighting products and related material take-off lists are prepared accurately and checked against job specification
	2.2 Lighting products are selected to meet job specification requirements
	2.3 Calculations are applied to selecting the type and quantity of lighting products included in the quotation
	2.4 Item costs are determined in accordance with workplace policy and procedures
	2.5 Quotations are checked for accuracy in costing and job specification
3 Document and submit quotation	3.1 Quotation is documented in accordance with workplace policies and procedures
	3.2 Quotation is submitted to customer by an agreed date

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.

Preparing quotation for the supply of lighting products with a quotation value in excess of \$10,000 must include at least the following:

- three types of products:
 - luminaries type
 - high efficiency troffer fitting
 - high bay fittings
 - compact floodlamps
 - energy efficient halogen downlights
 - compact fluorescent downlights
 - diffused fluorescent fittings
- two types of installations:
 - large residential lighting design
 - store/shop lighting
 - shopping centre general lighting
 - security lighting
 - car park lighting

Unit Mapping Information

This unit replaces and is equivalent to UEENEEG188A Prepare quotations for the supply of effective and efficient lighting products for lighting projects.

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 UEEEL0060 Prepare quotations for the supply of effective and efficient lighting products for lighting projects

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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 occasion and include:

- determining the scope of lighting products required from job specifications and discussions with customer and/or other appropriate person(s)
- documenting the compliance requirements and level of service on which the quotation is to be given
- establishing timelines for submission of the quotation
- performing material take-offs accurately
- applying calculation to selecting appropriate type and quantity of lighting products
- determining item costs from enterprise costing policy and procedures
- checking quotation against item costs and job specifications
- documenting quotation accurately and submitting it on time
- dealing with unplanned events
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, includes using risk control measures
- developing quotations.

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:

- lighting products — quotation preparation, including:
 - knowledge of lighting products
 - illumination principles
 - lighting applications
 - lighting product parameters
 - compliance requirements
 - installation conditions

- interpreting manufacturer's technical data
- interpreting job specifications
- interpreting equipment schedules
- documenting quotations
- use of computer program for quoting purposes
- relevant item and service costing
- relevant manufacturer specifications
- relevant job safety assessments or risk mitigation processes
- 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, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, relevant industry standards, codes of practice and operation manuals.

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