



Australian Government

UEECD0021 Identify and select components, accessories and materials for energy sector work activities

Release: 1

UEECD0021 Identify and select components, accessories and materials for energy sector work activities

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 identify and select components, accessories and materials for energy sector work activities.

It includes identifying, selecting and confirming components, accessories and materials for energy sector work activity selection.

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

Pre-requisite Unit

UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

UEECD0009 Carry out routine work activities in an energy sector environment

Competency Field

Cross Discipline

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Identify components, accessories and materials

PERFORMANCE CRITERIA

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

1.1 Work instructions for selecting components, accessories and materials are obtained and confirmed

1.2 Work health and safety (WHS)/occupational health and safety (OHS) policies and workplace procedures are

		communicated, confirmed and applied
	1.3	Tools, equipment and personal protective equipment (PPE) are identified, checked and are safe to use in accordance with workplace procedures
	1.4	Relevant person/s is consulted to ensure the work is coordinated effectively with others
	1.5	Resources and materials required for work activity are confirmed, scheduled and obtained in accordance with workplace procedures
2	Select components, accessories and materials	
	2.1	WHS/OHS policies and workplace procedures and safe work practices are followed
	2.2	Schedule of work for selecting components, accessories and materials are followed to ensure work is completed in accordance with agreed timelines, quality standard and with a minimum of waste using appropriate technology
	2.3	Unplanned situations are responded to in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
	2.4	Quality checks of work are undertaken in accordance with work instructions and job requirements
3	Confirm components and materials selection	
	3.1	Checks are made to ensure selection of components, accessories and materials are in accordance with work instructions
	3.2	Relevant person/s is notified of completion of the selection process
	3.3	Tools, equipment, surplus resources and materials are cleaned, checked and returned to storage in accordance with workplace procedures
	3.4	Work area is cleaned, made safe and sustainable energy practices are followed
	3.5	Workplace record/s are updated in accordance with work instructions and 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.

Identifying and selecting components/accessories/materials for energy sector work activities must relate to at least one of the following disciplines:

- appliances
- business equipment
- computers
- data communications
- electrical
- electrical machines
- electronics
- fire protection
- instrumentation
- refrigeration and air conditioning
- renewable/sustainable energy
- security technology

Unit Mapping Information

This unit replaces and is equivalent to UEENEEE179A Identify and select components, accessories and materials for energy sector work activities.

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 UEECD0021 Identify and select components, accessories and materials for energy sector work activities

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 using risk control measures
- following schedule of work
- locating, scheduling and obtaining resources and materials required for work
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- identifying and checking required tools, equipment and personal protective equipment (PPE)
- identifying and selecting components, accessories and materials, including:
 - confirming selection of components, accessories and materials
 - obtaining, checking and returning tools, equipment, surplus resources and materials
 - type, number and ratings of components used in the electrotechnology and engineering industries
- updating work records
- using manufacturer specifications, including:
 - selecting relevant electrotechnology parts and components
 - using relevant part and component identification and information.

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:

- information about parts and components, including:
 - alternative parts
 - catalogues
 - computer access

- telephone inquiry
- ordering procedures, including customer approval, supplier requirements and job requirements
- part identification and access, including:
 - availability and delivery times
 - manufacturers and manufacturer's supply outlets
 - part codes
 - price, including discounts, goods and services tax (GST)/tax and delivery costs
 - type, number and ratings of typical components used in the electrotechnology and engineering industries
- receiving/dispatching procedures, including supplier requirements, handling and storage and job requirements
- relevant workplace documentation
- relevant workplace policies, procedures and instructions.

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 PPE currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, relevant industry standards, codes of practice and operation manuals.

Links

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