



Australian Government

UEECD0023 Identify effects of energy on machinery and materials in an energy sector environment

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.

Application

This unit involves the skills and knowledge required to identify effects of energy on machinery and materials in an energy sector environment.

It includes working safely and applying knowledge of the effects of energy on machinery and/or materials in an electrotechnology environment.

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

Pre-requisite Unit

Not applicable

Competency Field

Cross Discipline

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to identify effects of energy on machinery and/or materials

PERFORMANCE CRITERIA

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

- 1.1** Work instructions for identifying effects of energy on machinery or materials are communicated and applied to ensure clear understanding
- 1.2** Work health and safety (WHS)/occupational health and

- safety (OHS) requirements and workplace procedures are communicated, confirmed and applied
- 1.3 Tools, equipment and personal protective equipment (PPE) required for work are identified, scheduled and checked to ensure they work correctly and are safe to use in accordance with workplace procedures
 - 1.4 Relevant person/s is consulted to ensure effects of energy on machinery and/or materials are identified and coordinated effectively with others involved
 - 1.5 Resources and materials required for work are confirmed, scheduled and obtained in accordance with workplace procedures
 - 1.6 Schedule for identifying effects of energy on machinery and/or materials and practices for working safely are confirmed in accordance with work instructions and manufacturer specifications
- 2 Identify effects of energy on machinery and/or materials**
- 2.1 WHS/OHS requirements and workplace procedures are followed to eliminate or minimise incidents
 - 2.2 Schedule for identifying effects of energy on machinery and/or materials work is followed to ensure work is completed in accordance with timeframes, quality standards and minimum of waste
 - 2.3 Further instructions are sought from relevant person/s in the event of unplanned events and/or conditions
 - 2.4 Ongoing checks of work quality are undertaken in accordance with work instructions and manufacturer specifications
- 3 Check results of the effects of energy on machinery and/or materials**
- 3.1 Final checks are made to ensure the effects of energy on machinery and/or materials, as identified, conforms with work instructions and manufacturer specifications
 - 3.2 Relevant person/s is notified of completion of the calculations
 - 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 up, made safe and sustainable energy practices are followed
- 3.5 Relevant records 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.

Unit Mapping Information

This unit replaces and is equivalent to UEENEEE146A Identify effects of energy on machinery and materials in an energy sector environment.

Links

Companion Volume implementation guides are found in VETNet - -

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