



Australian Government

UEECD0002 Analyse static and dynamic parameters of electrical equipment

Release: 1

UEECD0002 Analyse static and dynamic parameters of electrical equipment

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 analyse static and dynamic parameters of electrical equipment.

It includes preparing and analysing static and dynamic parameters. It also includes documenting and reporting the analysis.

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 analyse static and dynamic parameters

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) processes and workplace procedures for a given work area are identified, obtained and applied
- 1.2** WHS/OHS risk control measures and workplace procedures in preparation for the work are followed

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| | 1.3 | Machine analysis is determined from performance specifications and/or reports and in consultation with relevant person/s |
| | 1.4 | Activities are planned in accordance with workplace procedures for timelines in consultation with others involved |
| | 1.5 | Strategies are identified, developed and implemented |
| 2 Analyse parameters | 2.1 | WHS/OHS risk control work measures and workplace procedures for carrying out the work are followed |
| | 2.2 | Statics and dynamics are applied to developing analytical solutions to machine parameters |
| | 2.3 | Parameters, specifications and performance requirements of the machine/s are obtained in accordance with workplace procedures |
| | 2.4 | Machine parameters are analysed in accordance with workplace procedures |
| | 2.5 | Unplanned events are responded to in accordance with WHS/OHS requirements and workplace procedures |
| | 2.6 | Quality of work is monitored in accordance with workplace procedures and/or relevant industry standards |
| 3 Document and report results of the analysis | 3.1 | Solutions to machine analysis are tested and modified as required in accordance with WHS/OHS requirements and workplace procedures |
| | 3.2 | Analysis of findings, calculations and assumptions are documented in accordance with workplace procedures |
| | 3.3 | Analysis is reported to relevant person/s for action |
| | 3.4 | Justification and instruction for actions are documented in work and/or development records in accordance with relevant industry standards |

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 UEENEEE161A Analyse static and dynamic parameters of electrical equipment.

Links

Companion Volume implementation guides are found in VETNet - -

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