



Australian Government

UEPOPS001 Analyse single protection device operation

Release: 1

UEPOPS001 Analyse single protection device operation

Modification History

Release 1. This is the first release of this unit of competency in the UEP Electricity Supply Industry – Generation Sector Training Package Release 2.0.

Application

This unit involves the skills and knowledge required to analyse the operation of single protection devices.

Protection devices aim to keep power generation systems stable by isolating the components that are faulty to ensure the network still in operational. Single operation protection devices are designed for specific types of apparatus used in power generation facilities.

Competency in this unit requires the ability to respond to single protection device operation, interpret and determine cause of single protection device operation, restore single protection device operation and complete documentation. Individuals will, in general, work under supervision, in a power generation facility as an operator. Power generation plant operators are trained and authorised to isolate, prepare plant and issue permits to work.

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

Pre-requisite Unit

There are no prerequisite units

Competency Field

Operations

Unit Sector

Electricity generation

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Respond to protection

PERFORMANCE CRITERIA

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

1.1 Electrical and mechanical single protection device

operation	operations are confirmed in accordance with workplace procedures
	1.2 Work health and safety (WHS)/occupational health and safety (OHS) regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, environmental requirements, and workplace procedures are identified, applied and monitored
	1.3 Apparatus affected by single protection device operations are identified in accordance with workplace procedures
	1.4 Single protection device targets, flags and alarms are identified and recorded in accordance with workplace procedures
	1.5 Relevant stakeholders are advised in accordance with workplace procedures
2 Interpret and determine cause of protection operation	2.1 Communication with external stakeholders and internal personnel is undertaken and recorded in accordance with workplace procedures
	2.2 Information on single protection device operations is collated and assessed in accordance with workplace procedures
	2.3 Sequence of events prior to, and following, single protection device operation is identified and analysed in accordance with workplace procedures
	2.4 Single protection device operations are analysed and evaluated in accordance with workplace procedures
	2.5 Single protection device operation findings are analysed, in conjunction with recorded data, to determine most probable cause of fault in accordance with workplace procedures
3 Restore protection	3.1 Relevant stakeholders are informed of single protection device operation findings and plan of action in accordance with workplace procedures
	3.2 Single protection device indicators are reset in accordance with workplace procedures
	3.3 Corrective action is taken in accordance with fault type

and workplace procedures

- | | | |
|---------------------------------|------------|--|
| 4 Complete documentation | 4.1 | All single protection device operations events are analysed and reported to approved personnel in accordance with workplace procedures |
| | 4.2 | Records are updated in accordance with 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 UEP Electricity Supply Industry – Generation Sector Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS342 Analyse single protection device operation.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>