Australian Government

UEPMNT345 Install electronic equipment

Release: 1

UEPMNT345 Install electronic equipment

Modification History

Release 1. This is the first release of this unit of competency in the UEP Generation Training Package.

Application

This unit involves the skills and knowledge required to undertake the installation of electronic equipment containing solid state components, complex control panels and complex control equipment in a power generation facility.

Installation of electronic equipment containing complex panels, equipment and components to meet power generation facility requirements should comply with manufacturers' specifications.

Competency in this unit requires the ability to plan work, install electronic equipment and to report on all completed work tasks. Individuals will, in general, work under supervision in an electrical, electronic and/or mechanical equipment repair workshop or on site.

Power generation maintenance personnel are typically trained and authorised to receive permits to work.

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

Note: Workplace practice

The application of the skills and knowledge described in this unit of competency may require a licence or training permit to practice in the workplace, where work is carried out on gas and electrical installations. Additional and/or other conditions may apply under state and territory legislative and regulatory licensing requirements.

Pre-requisite Unit

UEENEEE102A Fabricate, assemble and dismantle utilities industry components

UEENEEE104A Solve problems in D.C. circuits

UEENEEE105A Fix and secure electrotechnology equipment

UEENEEE107A Use drawings, diagrams, schedules, standards, cords and specifications

UEENEEE137A Document and apply measures to control WHS risks associated with electrotechnology work

UEENEEG006A Solve problems in single and three phase low voltage machines

UEENEEG033A Solve problems in single and three phase low voltage electrical apparatus and circuits

UEENEEG063A Arrange circuits, control and protection for general electrical installations

UEENEEG101A Solve problems in electromagnetic devices and related circuits

UEENEEG102A Solve problems in low voltage A.C. circuits

UEENEEG106A Terminate cables, cords and accessories for low voltage circuits

UEENEEG108A Troubleshoot and repair faults in low voltage electrical apparatus and circuits

UEENEEG109A Develop and connect electrical control circuits

Competency Field

Maintenance

Unit Sector

Electricity generation

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Plan and prepare for work	**1.1** Requirements including scope of work and assigned roles are identified and confirmed with appropriate personnel or by site inspection, in accordance with workplace procedures
	1.2 Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) standards, legislative requirements, industry standards, codes of practice, manufacturers' specifications, environmental obligations and workplace procedures are reviewed in preparation for work
	1.3 Resources are obtained and inspected for compliance with job specification
	1.4 Relevant plans, drawings and manuals are selected and used, in accordance with workplace procedures
	1.5 Correct materials and components for work are obtained and inspected, in accordance with workplace procedures, for compliance with job specification
	1.6 Work is planned, sequenced and prioritised, in accordance with workplace procedures

	1.7	Potential hazards are identified, and risk control measures are selected and implemented, in accordance with workplace procedures
	1.8	Work area is prepared, in accordance with workplace procedures
2 Install electronic equipment	**2.1**	Isolations are confirmed, where appropriate, in accordance with workplace procedures
	2.2	Electronic equipment is assembled, positioned and secured, in accordance with workplace procedures, plans, drawings and manuals
	2.3	Electronic equipment is installed, in accordance with workplace procedures
	2.4	Cables and wires are identified labelled and colour coded, in accordance with workplace procedures
	2.5	Cables and wires are secured, glanded and terminated to job specification, in accordance with workplace procedures
	2.6	Final inspection is completed, in accordance with workplace procedures
3 Complete work	**3.1**	Work is completed and appropriate personnel are notified, in accordance with workplace procedures
	3.2	Work area is cleared of waste, cleaned, restored and secured, in accordance with workplace procedures
	3.3	Tools and equipment are cleaned, maintained and stored, in accordance with workplace procedures
	3.4	Work completion details are finalised, 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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPMNT345B Install electronic equipment.

Links

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