



Australian Government

UEEEEC0041 Install fire detection and warning system apparatus

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 install fire detection and warning system apparatus.

It includes installing electronic fire detection and warning systems in buildings and premises. It also includes working safely and to industry standards, following oral and written instructions and workplace procedures, and securely placing and connecting fire detection system and warning components.

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

UEECD0019 Fabricate, assemble and dismantle utilities industry components

UEECD0020 Fix and secure electrotechnology equipment

UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications

Competency Field

Electronics and Communications

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to assemble fire

PERFORMANCE CRITERIA

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

1.1 Work health and safety (WHS)/occupational health and

detection and warning apparatus		safety (OHS) requirements and workplace procedures for a given work area are identified and applied
	1.2	WHS/OHS risk control measures are followed in preparation for work
	1.3	Safety hazards that have not previously been identified are reported and advice on risk control measures sought from the work supervisor
	1.4	Nature and location of the work is obtained from work supervisor or appropriate person/s to determine the scope of work to be undertaken
	1.5	Advice is sought from work supervisor or other relevant person/s to ensure the work is coordinated effectively with others
	1.6	Sources of materials required for work activities are determined in accordance with workplace procedures
	1.7	Tools, equipment and testing devices needed to carry out work activities are obtained and checked for correct operation and safety
2 Assemble and set up fire detection and warning system	2.1	WHS/OHS risk control measures for carrying out the work are followed
	2.2	Circuits/machines/plant are checked and isolated in accordance with WHS/OHS requirements and workplace procedures
	2.3	Fire protection controller and detection and warning devices are located for optimum performance in accordance with customer requirements, industry standards and regulations
	2.4	Accessories are installed straight and square in the required locations and within acceptable tolerances
	2.5	Cables and conductors are terminated at accessories in accordance with manufacturer specifications and regulatory requirements
	2.6	Unplanned situations are responded to in accordance with workplace procedures in a manner that minimises risk to personnel and equipment

	2.7	Fire protection installation is carried out efficiently without waste of materials or damage to apparatus, circuits or the surrounding environment using sustainable energy practices
3 Complete fire detection and warning system apparatus installation	3.1	WHS/OHS work completion risk control measures and workplace procedures are followed
	3.2	Worksite is cleaned and made safe in accordance with established procedures
	3.3	Fire protection system is documented in accordance with regulatory requirements 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.

Installing fire detection and warning system apparatus must include at least the following:

- two fire alarms and warning systems, including:
 - one fire alarm system with at least one control and indicating panel, 50 input devices, five output devices and two system interface controls on at least one of the following:
 - analogue addressable system
 - addressable system
 - conventional system
 - one fire warning system with at least one control and indicating panel, 50 speakers, five interface communication devices and two warning indicators on at least one of the following:
 - analogue addressable system
 - addressable system

- conventional system

Unit Mapping Information

This unit replaces and is equivalent to UEENEEH161A Install fire detection and warning system apparatus.

Links

Companion Volume implementation guides are found in VETNet - -

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