UEEEC0050 Program and commission commercial security systems

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 program and commission commercial security systems.

It includes programming and testing security alarm systems typically used in commercial buildings and premises It also includes working safely, following commercial security system specifications, programming security alarm functions and schedules, communicating alarm system information to end user/s and providing as-programmed documents.

The skills and knowledge described in this unit require a licence or permit to practice in the workplace where work is carried out on electrical installations which are designed to operate at voltages greater than 50 volt (V) alternating current (a.c.) or 120 V direct current (d.c.).

Competency development activities in this unit are subject to regulations directly related to licensing. Where a licence or permit to practice is not held, skills and knowledge described in this unit require a relevant contract of training, such as an Australian Apprenticeship.

Additional and/or other conditions may apply in some jurisdictions subject to regulations related to electrical work. Practice in the workplace and during training is also subject to work health and safety (WHS)/occupational health and safety (OHS) regulations.

Permits may also be required for some work environments, such as confined spaces, working aloft, near live electrical apparatus and site rehabilitation.

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

UEEEC0003 Assemble and set up basic security systems

UEEEC0027 Enter instructions and test wired and wireless security systems

Competency Field

Electronics and Communications

Unit Sector

Electrotechnology

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 Prepare to program commercial security system	**1.1** WHS/OHS requirements and workplace procedures for a given work area are identified and applied
	1.2 WHS/OHS risk control measures and workplace procedures are followed in preparation for commercial security system work
	1.3 Safety hazards not previously identified are risk assessed, documented and risk control measures devised and implemented in consultation with appropriate person/s
	1.4 Extent of programming and commissioning is determined from reports, documentation and from discussion with appropriate person/s
	1.5 Appropriate person/s is consulted to ensure commercial security system work is coordinated effectively with others involved on the worksite
	1.6 Tools, equipment and testing devices needed to program commercial security systems are obtained in accordance with workplace procedures and checked for correct operation and safety
2 Program and commission commercial security system	**2.1** WHS/OHS risk control measures and workplace procedures for carrying out commercial security system program work are followed
	2.2 Need to test or measure live work is determined in accordance with WHS/OHS requirements and, as

	required, conducted within workplace safety procedures
2.3	Circuits/machines/plant are checked and isolated in accordance with WHS/OHS requirements and workplace procedures
2.4	Security alarm functions and instructions are entered into the commercial security system in accordance with design specifications
2.5	Security alarm devices are checked for correct location and alignment
2.6	Security alarms are inspected and tested in accordance with commercial security system commissioning requirements
2.7	Sources of alarm anomalies are identified and corrected
2.8	Unplanned situations are responded to in accordance with workplace procedures, discussions with appropriate person/s and job specifications and requirements in a manner that minimises risk to personnel and equipment
2.9	Methods for dealing with unplanned situations are selected on the basis of safety and specified work outcomes
2.10	Programming and commissioning activities are carried out efficiently without waste of materials or damage to apparatus, the surrounding environment or services using sustainable energy practices

3 Complete and report programming and commissioning activities	3.1	WHS/OHS work completion risk control measures and workplace procedures are followed
	3.2	Worksite is made safe in accordance with workplace safety procedures
	3.3	Alarm system operating documentation and explanation of system features is communicated to appropriate person/s
	3.4	'As-installed' security alarm system is documented and appropriate person/s notified in accordance with workplace procedures

| Australian 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.

Programming and commissioning must include at least the following:	• two different commercial security alarm systems

Unit Mapping Information

This unit replaces and is equivalent to UEENEEH154A Program and commission commercial security systems.

Links

Companion Volume implementation guides are found in VETNet - - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6