Australian Government

UEEEC0003 Assemble and set up basic security systems

Release: 1

UEEEC0003 Assemble and set up basic security systems

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 assemble, set up and install electronic security system with up to 50 connected devices, typically used in single domestic and small commercial premises.

It includes working safely to industry standards, assembling and setting up wired and wireless security system, and connecting security system components.

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, a relevant contract of training, such as an Australian apprenticeship, is required.

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.

Pre-requisite Unit

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	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Prepare to assemble and set up wired and wireless security system	1.1 WHS/OHS requirements and workplace procedures for a given work area are identified and applied
	1.2 Existing WHS/OHS risk control measures and workplace procedures are followed in preparation for work
	1.3 Hazards which have not previously been identified are reported in accordance with workplace procedures and advice on risk control measures are sought from work supervisor
	1.4 Nature, location and security system required is obtained from supervisor or other relevant person/s and/or workplace documentation to determine the scope and details of work to be undertaken
	1.5 Advice is sought from work supervisor or other relevant person/s to ensure work is coordinated effectively with others
	1.6 Security system and relevant materials required for work are determined and obtained in accordance with workplace procedures
	1.7 Tools, equipment and testing devices needed to carry out the work are obtained and checked for correct operation and safety
2 Assemble wired and wireless security system	2.1 WHS/OHS risk control measures and workplace procedures for carrying out work are followed
	2.2 Circuits/machines/plant are checked and isolated in accordance with WHS/OHS workplace requirements and procedures
	2.3 Security controllers, access, intrusion and surveillance devices are positioned for optimum performance in accordance with workplace procedures and within limitations imposed by customers and regulations

	2.4	Security system components are installed straight and square in the required locations and within acceptable tolerances in accordance with workplace procedures
	2.5	Cables and conductors are terminated at security system components in accordance with manufacturer specifications and regulatory requirements
	2.6	Unplanned events are referred to supervisor for directions in accordance with workplace procedures
	2.7	Security installation is carried out without waste of materials or damage to apparatus, circuits or the surrounding environment using sustainable energy practices
3 Complete and document security systems installation	3.1	WHS/OHS risk control measures and workplace procedures for work completion are followed
	3.2	Worksite and equipment are cleaned and made safe in accordance with WHS/OHS requirements and workplace procedures
	3.3	Security system installation 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 security systems must include the following:	• one wired and one wireless security system
Security systems must consist of:	• a controller and access device and at least two other different connected devices both wired and wireless

Unit Mapping Information

This unit replaces and is equivalent to UEENEEH150A Assemble and set up basic security systems.

Links

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