



**Australian Government**

# **UEEEEC0042 Install large security systems**

**Release: 1**

# UEEEEC0042 Install large 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 install security systems.

It includes installing, entering instructions, inspecting and testing of electronic wired and wireless security systems with over 50 connected devices in buildings, premises and precincts. It also includes working safely and to industry standards, following job specifications, securely placing and connecting security system components, and documenting service installation.

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

UEECD0019 Fabricate, assemble and dismantle utilities industry components

UEECD0020 Fix and secure electrotechnology equipment

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

UEEEEC0003 Assemble and set up basic security systems

## Competency Field

Electronics and Communications

## Unit Sector

Electrotechnology

## Elements and Performance Criteria

### ELEMENTS

Elements describe the essential outcomes.

#### 1 Prepare to install and set up wired and wireless security system

### PERFORMANCE CRITERIA

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

**1.1** WHS/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 security system work

**1.3** Safety hazards not previously identified are risk assessed, reported and advice on risk control measures sought from work supervisor

**1.4** Nature and apparatus location of the security system work is determined from work supervisor or other appropriate person/s and drawings related to cable layouts and locations to establish the scope of work to be undertaken are identified

**1.5** Advice is sought from the work supervisor or other appropriate person/s to ensure the security system work is coordinated effectively with others

**1.6** Sources of materials required for the security system work are determined in accordance with workplace routines

**1.7** Tools, equipment and testing devices needed to carry out the security system work are obtained and checked for correct operation and safety

#### 2 Install wired and wireless security system

**2.1** WHS/OHS risk control measures for carrying out security system work are followed

**2.2** Circuits/machines/plant are checked and isolated in accordance with WHS/OHS requirements and workplace procedures

**2.3** Security controllers and devices are located for optimum performance within limitations imposed by customers,

industry standards and regulations

- 2.4 Accessories and devices are installed, straight and square, in the required locations and within acceptable tolerances
  - 2.5 Cables and conductors are terminated at accessories and devices in accordance with manufacturer specifications, industry standards and regulatory requirements
  - 2.6 Methods for dealing with unplanned situations are discussed with appropriate person/s and documented
  - 2.7 Unplanned situations are dealt with in accordance with workplace procedures safely and with the approval of authorised person/s in a manner that minimises risk to personnel and equipment
  - 2.8 Security installation is carried out efficiently without waste of materials or damage to apparatus, circuits or the surrounding environment using sustainable energy practices
- 3 Set up wired and wireless security system and document work activity**
- 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 workplace procedures
  - 3.3 Security system installation is documented in accordance with regulatory requirement 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.

Installation of security system must have

- two large wired and wireless security

controllers and include at least the following: systems with more than 50 connected devices of five different types

## Unit Mapping Information

This unit replaces and is equivalent to UEENEEH151A Install large security systems.

## Links

Companion Volume implementation guides are found in VETNet - -

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