Draft 0.1

This is our work-in-progress update to CPPSEC3037A Test installed security equipment and system: https://training.gov.au/Training/Details/CPPSEC3037A.

We are working with industry experts to ensure the updated unit:

- meets current and anticipated industry needs
- complies with current Standards for Training Packages
- is written in clear understandable English.

Information on our training package review and development process is available here: http://www.artibus.com.au/project-stage.

Summary of changes from current endorsed unit

Code changed
Elements and performance criteria redeveloped to simplify and better articulate unit structure – new element/PCs added for planning and organising work tasks
Required knowledge updated and rationalised to add specificity and relevance
Internet Protocol networking knowledge/skills introduced

Updates Feb 2019:
Privacy requirements included in knowledge evidence

Updates May 2019:
Minor updates to apply edits and incorporate feedback, eg to Australian Standards references, licensing statement, assessment conditions info, knowledge, implementation guide links etc

Post EE:
Minor edits
Foundation skills modified to clarify requirements

Unit of Competency CPPSEC3037 Test installed security equipment and systems

Application

This unit specifies the skills and knowledge required to test a range of installed security equipment and systems including cable systems, equipment components and programming. It includes selecting and carrying out tests to confirm the integrity, security and safety of equipment and systems. This work applies in extra low voltage environments as defined in Australian Standard *AS/NZS 2201.1:2007 Intruder alarm systems – Client's premises – Design, installation, commissioning and maintenance* (AS/NZS 2201).

A person working at this level would be expected to take responsibility for organising and completing tasks assigned to them without close supervision.

Licensing, legislative or certification requirements apply to advising on, supplying, installing, maintaining, monitoring, repairing and servicing security equipment in some states and territories. For further information, check with the relevant regulatory authority.

Prerequisite Unit

None.

Elements and Performance Criteria

1. Prepare to test installed security equipment and system.	1.1	Review work instructions to confirm client and site requirements and testing timeframes.
	1.2	Review AS/NZS 2201 to understand regulatory requirements associated with testing installed security equipment and systems and apply to work instructions.
	1.3	Review and follow workplace policies and procedures including work health and safety when carrying out work tasks.
	1.4	Confirm type of security equipment and system to be tested and clarify testing parameters.
2. Plan and organise work tasks.	2.1	Plan and prioritise work tasks allowing sufficient time to meet work instructions.
	2.2	Select and organise required materials, tools and equipment including personal protective equipment and check for safe and correct operation.
	2.3	Arrange access to installed security equipment and system in consultation with relevant persons.
	2.4	Identify hazards in the work area and apply risk control measures.
3. Conduct security equipment and system testing	3.1	Use safe work practices when working with electronic equipment and cables according to WHS requirements.
	3.2	Identify, isolate, tag and test cables according to WHS requirements.
	3.3	Remove parts and connections of security equipment and system following

procedures.		approved procedures and store safely to protect against loss or damage.
	3.4	Carry out testing procedures following manufacturers' instructions.
	3.5	Check to confirm accuracy and reliability of test data and conduct additional required tests or seek assistance from relevant persons.
	3.6	Reassemble security equipment and system to pre-test condition following manufacturers' instructions.
4. Finalise testing activities and documentation.	4.1	Check security equipment and system to confirm correct operation and conformance with work instructions.
	4.2	Complete documentation detailing testing results according to workplace and regulatory requirements.
	4.3	Notify work completion to relevant persons.
	4.4	Check tools and equipment for faults, wear or damage and rectify or report problems.
	4.5	Restore work area to original condition and remove waste caused by work tasks.

Foundation skills

Candidates require:

- reading skills to interpret key requirements of:
  - plans and specifications when locating installed security equipment and systems
  - Australian standards and manufacturers' instructions
- numeracy skills to interpret multimeter readings when testing security equipment and systems.

Unit Mapping Information

Supersedes and equivalent to CPPSEC3037A Test installed security equipment and system.

Links

Companion Volume Implementation Guide:
https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b

Assessment Requirements for CPPSEC3037 Test installed security equipment and systems

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by testing security equipment and systems, including one internet protocol (IP) networked system, installed at three different locations.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- workplace policies and procedures that ensure compliance with legislative and regulatory requirements when testing installed security equipment and systems:
    - licensing requirements and limits of own authority
    - privacy requirements
    - reporting and documentation
    - requirements for complying with Australian Communications and Media Authority cabling rules
    - work health and safety
- application of *AS/NZS 2201.1:2007 Intruder alarm systems – Client's premises – Design, installation, commissioning and maintenance* (AS/NZS 2201) when testing security equipment and systems installed at client premises
- cable identification methods and techniques
- documentation to be completed when testing security equipment and systems
- keypad and control panel types and functions for a range of security equipment and systems
- materials, tools and equipment including personal protective equipment (PPE) used when testing security equipment and systems
- methods for ensuring IP networked systems and equipment are properly secured
- testing parameters and procedures for a range of security equipment and systems:
    - access control systems
    - audible and visual warning devices
    - cameras and monitors
    - commercial and residential alarm systems
    - detection devices
    - electronic and mechanical fire safety and fire locking systems
    - electronic locks and locking systems
    - electronic readers
    - electronic screen equipment
    - intercoms and control panels
    - security doors and door controls
- types of earthing systems used in electrical installations

- types of electrical connections and circuits that may be encountered when testing installed security equipment and systems, and circuit protection requirements
- typical hazards encountered when testing security equipment and systems and the control measures for each:
    - confined spaces
    - electrical
    - hazardous materials and chemicals
    - people in the work area
    - power tools
    - vermin
    - work at heights.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

All individuals engaged by a licensed RTO for security licensing purposes must hold both a security trainers licence (where such a licence exists within the relevant jurisdiction) and the licence for performing the security activities for which the individual is providing training or assessment. Regulators may impose other assessor conditions to meet jurisdictional assessment requirements.

Assessment must be conducted in the workplace or in a simulated workplace environment. Candidates must have access to:

- workplace policies and procedures, work instructions, documentation, security equipment and systems, PPE, tools and materials required to achieve the performance evidence
- security equipment and system information to support testing activities
- AS/NZS 2201.

Links

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