# Draft 0.1

This is our work-in-progress update to CPPSEC3046A Configure a security system: https://training.gov.au/Training/Details/CPPSEC3046A.

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 and title changed to better articulate unit outcome
Elements and performance criteria redeveloped to simplify and better articulate unit structure
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 CPPSEC3046 Develop security system configurations and specifications for client sites

## Application

This unit specifies the skills and knowledge required to develop security system specifications and configurations to meet the requirements of different client sites. It includes assessing sites and security risk factors to select security system design options and develop specifications for equipment configurations and placement. 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. Plan and prepare for work. | 1.1 | Review work instructions to confirm client requirements, site location and work timeframes. |
| | 1.2 | Plan and prioritise work tasks allowing sufficient time to meet work instructions. |
| | 1.3 | Review AS/NZS 2201 to understand regulatory requirements associated with installing security equipment and systems and apply to work instructions. |
| | 1.4 | Arrange access to work site in consultation with relevant persons. |
| | 1.5 | Select and organise required materials, tools and equipment including personal protective equipment and check for safe and correct operation. |
| | 1.6 | Review and follow workplace policies and procedures including work health and safety (WHS) when carrying out work tasks. |
| 2. Assess client and site requirements. | 2.1 | Identify hazards in the work area and apply risk control measures. |
| | 2.2 | Conduct a detailed site assessment. |
| | 2.3 | Identify and assess site security risk factors. |
| | 2.4 | Record results of site assessment and identified security risk factors. |
| 3. Formulate security system specifications and configurations. | 3.1 | Evaluate design options and select preferred security system configurations to meet site and client requirements. |
| | 3.2 | Prepare schematics and specifications that accurately detail installation requirements to enable accurate costings to be calculated. |

| | | |
|---|---|---|
| | 3.3 | Select and calculate security equipment and material types and quantities to best meet system specifications. |
| | 3.4 | Check to verify security system specifications, configurations, placement and positioning comply with legal requirements. |
| | 3.5 | Seek information and assistance from relevant persons to finalise security system specifications and configurations within agreed timeframes. |
| 4. Document and finalise security system specifications and configurations. | 4.1 | Use information technology to clearly and accurately document security system specifications and configuration recommendations according to workplace requirements. |
| | 4.2 | Seek feedback on recommendations and make required adjustments to obtain client acceptance of proposed security system specifications and configurations. |
| | 4.3 | Complete and securely store documentation in a manner that facilitates future retrieval and maintains confidentiality according to workplace and regulatory requirements. |

## Foundation skills

Candidates require:

- oral communication skills to use questioning and active listening when seeking feedback from clients
- reading skills to interpret key requirements of:
    - drawing and drafting symbols
    - plans, drawings and specifications in diagrammatic and schematic formats
    - Australian standards and manufacturers' instructions
- writing skills to draw plans and schematics when configuring security systems.

## Unit Mapping Information

Supersedes and equivalent to CPPSEC3046A Configure a security system.

## Links

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

# Assessment Requirements for CPPSEC3046 Develop security system configurations and specifications for client sites

## Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by developing security system configurations and specifications to meet the requirements of three different client sites.

## 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 developing security system specifications and configurations:
    - licensing requirements and limits of own authority
    - privacy requirements
    - reporting
    - 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 programming and configuring security equipment and systems at client premises
- configuration options for a range of security equipment and systems
- documentation to be completed when developing security system specifications and configurations
- installation considerations to ensure protection of IP networked security systems and equipment
- materials, tools and equipment including personal protective equipment (PPE) used when specifying and configuring security systems and assessing client sites
- principles of security system design, specifications and configurations
- principles of security system programming and configuring
- requirements for installing different security equipment and systems at client sites
- techniques for drawing and drafting used when specifying and configuring security system installations
- types and functions of a range of security equipment and systems
- types of security risk factors associated with client sites
- typical hazards encountered when assessing client sites and the control measures for each:
    - confined spaces
    - electrical
    - hazardous materials and chemicals
    - people in the work area
    - vermin.

## 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, PPE, equipment and technologies, tools and materials required to achieve the performance evidence
- security equipment and system and client site information required to achieve the performance evidence
- AS/NZS 2201.

## Links

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