Assessment Requirements for CPPSEC4019 Diagnose faults in networked security systems

Release: 1

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Modification History

Release 1   This version first released with CPP Property Services Training Package Release 9.0.

Supersedes and is equivalent to CPPSEC4019A Identify and diagnose security systems or network fault. Updated to meet the Standards for Training Packages.

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by conducting testing and diagnostic procedures on three different networked security systems to diagnose:

- a minimum of two system faults
- a minimum of two network faults.

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 diagnosing faults in networked security systems:
  - licensing requirements and limits of own authority
  - regulatory requirements in the jurisdiction of operation
  - requirements for complying with Australian Communications and Media Authority cabling rules
  - work health and safety
- cable identification methods and techniques
- common computer commands used to verify and manage internet protocol (IP) and network performance
- difference between programming and configuration of security equipment and systems
- documentation to be completed when diagnosing faults in networked security systems to ensure compliance with licensing and warranty requirements
- fundamentals of routers, switches, firewalls and wireless access points
- fundamentals of scripting language
- keypad and control panel types and functions for a range of security equipment and systems
- local area network and wide area network capabilities
- meaning of multiple form factor authentication

- methods for ensuring IP networked systems and equipment are properly secured
- operational parameters and diagnostic testing procedures for a range of networked security 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
- principles of security system networking and integration including IP addresses and devices
- tests to confirm correct configurations, operation and connections for networked security systems
- tools and equipment used when diagnosing faults in networked security systems
- types of earthing systems used in electrical installations
- typical hazards encountered when diagnosing faults in networked security systems and the control measures for each:
  - confined spaces
  - electrical
  - hazardous materials and chemicals
  - hidden utilities
  - people in the work area
  - power tools
  - 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:

- legislation and licensing requirements that apply to diagnosing faults in networked security systems in the jurisdiction of operation
- work instructions, specifications, documentation, networked security systems and tools required to achieve the performance evidence.

Links

Companion volumes to this training package are available at the VETNet website - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad