



Australian Government

CPPSEC3053 Implement measures to secure IP networked security equipment and systems

Release: 1

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Modification History

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

New unit.

Application

This unit specifies the skills and knowledge required to implement measures to secure internet protocol (IP) networked security equipment and systems to protect physical security systems from cyber threats. It includes confirming existing network arrangements, checking firewalls, network controls and protection levels, identifying vulnerabilities to cyber threats and implementing required controls to secure IP networked systems.

The unit is suitable for those with basic skills and knowledge undertaking routine work tasks under the direction of more experienced workers.

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.

Pre-requisite Unit

None.

Unit Sector

Technical

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

1 Confirm security equipment and system network arrangements.

- 1.1 Review work instructions to confirm client requirements and equipment location and clarify issues with relevant persons.
- 1.2 Review and comply with workplace policies and procedures and key regulatory requirements when carrying out work tasks.

- 1.3 Inspect security equipment and system to clarify operational parameters and locate control panels and software.
 - 1.4 Obtain authorisations and information required to access IP network and system configurations.
- 2 Identify vulnerabilities and secure IP networked equipment and system.
 - 2.1 Access IP network and system configurations for security equipment and system.
 - 2.2 Use network testing and monitoring tools and commands to check network connectivity and continuity and identify anomalies.
 - 2.3 Check firewalls and network controls and make required updates.
 - 2.4 Assess system protection levels to identify vulnerabilities to cyber threat.
 - 2.5 Check authentications, encryptions and supervision levels and make required changes to improve system protections.
 - 2.6 Perform software upgrades to install latest definitions.
 - 2.7 Complete work tasks and check to ensure IP networked security equipment and system is operating correctly.
- 3 Report results and complete documentation.
 - 3.1 Notify work completion to relevant persons.
 - 3.2 Complete documentation detailing actions taken to secure IP networked security equipment and system according to workplace and regulatory requirements.
 - 3.3 Report identified cyber vulnerabilities and required remedial actions for specialist attention.
 - 3.4 Restore work area to original condition and remove waste caused by work tasks.

Foundation Skills

As well as the foundation skills explicit in the performance criteria of this unit, candidates require:

- reading skills to interpret key requirements of schematics and manufacturers' instructions for security equipment, systems and software
- numeracy skills to perform calculations in binary and hexadecimal number systems.

Unit Mapping Information

No equivalent unit.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>