



IoT Security Technician Skill Zone – CSSIA.ORG

2. Information Communication Technologies

2.13 Surveillance

1. Explain the importance and implementation of technical surveillance countermeasures.
2. Describe the hacking methodologies used in the IoT environment and the technical surveillance countermeasures available to mitigate the associated risk.
3. Describe the methods for device and hardware surveillance.

Surveillance

Surveillance refers to the technologies and processes used to monitor the information technology devices and systems. Surveillance can range from guards, cameras, intrusion detection systems and local logs on hosting devices. Surveillance enables the IoT security technician to identify potential attacks, unauthorized access and unauthorized privileges to the organizations information or devices. Surveillance systems can include close circuit tv's, IP cameras, motion detectors, electronic fences and door and window detectors.

The IoT security technician must have the ability to install, configure and monitor surveillance technologies and devices. These technicians must also be aware of the laws and liabilities associated with electronic surveillance.

2.13 INFORMATION COMMUNICATION TECHNOLOGIES – SURVEILLANCE



Existing Course Cross Reference

Cisco Networking Academy Courses

[Cisco Cybersecurity Essentials](#)

Cisco Partner Courses

[Security+ \(CSSIA.ORG\)](#)

[IoT and ICS Security Controls \(CSSIA.ORG\)](#)

[CISSP \(CSSIA.ORG\)](#)

Curriculum Resources

Videos

[YouTube.com – Configuration Management](#)

[YouTube.com – Cisco Nessus Configuration Management](#)

Web Links

[Configuration Management: Best Practices White Paper](#)

[SANS Institute InfoSec Reading Room, Secure Configuration Management Demystified](#)

[NIST Special Publication 800-82 Section 6.2](#)

Textbooks

Practical Internet of Things Security
Chapter 3, 7, 8, 10

Assessment Resources

Labs

None

Quizzes/Exams

[CSSIA CISSP Course](#)

Security Operations – Chapter Exam

Quizlet.com

[Configuration Management Flashcards](#)

[Configuration Planning and Management flashcards](#)