2.14 INFORMATION COMMUNICATION TECHNOLOGIES – SECURITY AWARENESS



IoT Security Technician Skill Zone - CSSIA.ORG

2. Information Communication Technologies

2.14 Security Awareness

- Explain the importance of security awareness related to automation and IoT environments.
- 2. Describe the threats that impact the IoT environment and devices.
- List new and emerging technological tools and products to secure and protect IoT and industrial controls systems.
- Differentiate amongst the new and emerging technological tools and products when it comes to securing IoT and industrial controls systems.

Security Awareness

Security Awareness refers to the organizations efforts to make all personnel familiar with the organizations policies, processes and technologies used to protect the organizations information systems. Organizations must heavily invest in technologies and procedures that protect the organizations information infrastructure. These investments can be useless without proper awareness. Security awareness should be imbedded in all aspects of the organizations personnel management.

This would include the hiring processes, promotion requirements and separation policies. Security awareness could be extended to the organizations customers and contractors. Security awareness programs can include signage, formal hiring and promotion policies and awareness campaigns.

2.14 INFORMATION COMMUNICATION TECHNOLOGIES – SECURITY AWARENESS



Existing Course Cross Reference

Cisco Networking Academy Courses

IT Essentials

Introduction to Cybersecurity

Introduction to IoT

Cisco Cybersecurity Essentials

Mobility Fundamentals

Cisco Partner Courses

Security+ (CSSIA.ORG)

Ethical Hacking and Penetration Testing

(NDG/CSSIA)

Curriculum Resources

Videos

YouTube.com - Configuration Management

<u>YouTube.com – Cisco Nessus Configuration</u> Management

Web Links

<u>Configuration Management: Best Practices</u> White Paper

SANS Institute InfoSec Reading Room, Secure Configuration Management Demystified

NIST Special Publication 800-82 Section 6.2

Textbooks

Internet of Things Chapter 8

Assessment Resources

Labs

None

Quizzes/Exams

CSSIA CISSP Course

Security Operations - Chapter Exam

Quizlet.com

Configuration Management Flashcards

Configuration Planning and Management flashcards