GIAC
GICSP

GIAC Global Industrial Cyber Security Professional

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Question: 1

Why is it important to regularly review and update ICS security policies?
Response:

A. To reduce system performance
B. To adapt to evolving threats and changes in technology
C. To prevent network access
D. To disable system monitoring

Answer: B

Question: 2

What is the primary goal of developing a cybersecurity program for an ICS environment?
Response:

A. To improve user experience
B. To ensure the availability, integrity, and confidentiality of critical systems
C. To reduce network latency
D. To enable cloud-based data storage

Answer: B

Question: 3

Which security concern is commonly associated with Level 0 and Level 1 devices in ICS environments?
Response:

A. Limited encryption capabilities
B. Over-reliance on cloud computing
C. Inability to transmit data in real time
D. Lack of compliance with GDPR

Answer: A

Question: 4

Which type of attack could compromise Level 3 systems and affect business planning and logistics?
Response:

A. SQL injection
B. Distributed Denial-of-Service (DDoS) attacks
C. Advanced Persistent Threat (APT) attacks
D. Sensor spoofing

Answer: C

Question: 5

Which of the following is an essential component of an intelligence-gathering strategy for ICS security?
Response:

A. Continuous monitoring of ICS-specific threats
B. Restricting internet access for ICS operators
C. Replacing legacy hardware with new systems
D. Increasing network bandwidth

Answer: A

Question: 6

Which of the following methods is best for securing endpoints in a mixed Windows and Unix ICS environment?
Response:

A. Using default firewall configurations
B. Implementing role-based access control (RBAC)
C. Allowing default SSH logins
D. Sharing the same admin credentials across devices

Answer: B

Question: 7

What is the primary purpose of encryption in wireless communication within ICS networks?
Response:

A. To increase data transmission speed

B. To reduce the amount of data transmitted
C. To protect data from unauthorized access during transmission
D. To improve signal strength

Answer: C

Question: 8

Which key component of an incident response plan outlines how an organization will communicate internally and externally during an incident?
Response:

A. Response actions
B. Communication plan
C. Forensics procedures
D. Threat modeling

Answer: B

Question: 9

What is a common challenge when implementing encryption for ICS communication protocols?
Response:

A. Limited processing power of field devices
B. Lack of bandwidth
C. Difficulty in establishing secure wireless networks
D. Excessive latency caused by encryption algorithms

Answer: A

Question: 10

You are tasked with securing devices at Level 2 and Level 3 of an ICS network. Which of the following actions should you prioritize to protect these devices from external threats?
(Select all that apply)
Response:

A. Implement network segmentation between Level 2 and Level 3
B. Use encryption for data communication between Level 2 and 3 devices
C. Disable physical access to all SCADA systems
D. Apply security patches and firmware updates regularly

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