

# ISA.ISA-IEC-62443.v2024-03-20.q31

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## NEW QUESTION: 1

Multiuser accounts and shared passwords inherently carry which of the following risks?

Available Choices (select all choices that are correct)

- A. Unauthorized access
- B. Buffer overflow
- C. Race conditions
- D. Privilege escalation

**Answer: D (LEAVE A REPLY)**

## NEW QUESTION: 2

What are the two elements of the risk analysis category of an IACS?

Available Choices (select all choices that are correct)

- A. Business recovery and risk elimination or mitigation
- B. Risk evaluation and risk identification
- C. Business rationale and risk reduction and avoidance
- D. Business rationale and risk identification and classification

**Answer: D (LEAVE A REPLY)**

## NEW QUESTION: 3

Security Levels (SLs) are broken down into which three types?

Available Choices (select all choices that are correct)

- A. Target capability, and achieved
- B. Target capacity, and achieved
- C. Target capability, and availability
- D. SL-1, SL-2, and SL-3

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 4**

Which of the following PRIMARILY determines access privileges for user accounts?

Available Choices (select all choices that are correct)

- A. Users' desire for ease of use
- B. Technical capability
- C. Common practice
- D. Authorization security policy

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 5**

Which layer in the Open Systems Interconnection (OSI) model would include the use of the File Transfer

Protocol (FTP)?

Available Choices (select all choices that are correct)

- A. Transport layer
- B. Data link layer
- C. Session layer
- D. Application layer

Answer: D ([LEAVE A REPLY](#))

**NEW QUESTION: 6**

Which of the following ISA-99 (IEC 62443) Reference Model levels is named correctly?

Available Choices (select all choices that are correct)

- A. Level 3: Operations Management
- B. Level 1: Supervisory Control
- C. Level 2: Quality Control
- D. Level 4: Process

Answer: A ([LEAVE A REPLY](#))

**NEW QUESTION: 7**

Which of the following is the BEST reason for periodic audits?

Available Choices (select all choices that are correct)

- A. To meet regulations
- B. To adhere to a published or approved schedule
- C. To confirm audit procedures
- D. To validate that security policies and procedures are performing

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 8**

Which of the following is a trend that has caused a significant percentage of security vulnerabilities?

Available Choices (select all choices that are correct)

- A. IACS becoming integrated with business and enterprise systems
- B. IACS developing into a network of air-gapped systems
- C. IACS using equipment designed for measurement and control
- D. IACS evolving into a number of closed proprietary systems

**Answer: A (LEAVE A REPLY)**

#### **NEW QUESTION: 9**

Which steps are included in the ISA/IEC 62443 assess phase?

Available Choices (select all choices that are correct)

- A. Detailed cyber risk assessment and cybersecurity maintenance, monitoring, and management of change
- B. Allocation of IACS assets to zones and conduits, and detailed cyber risk assessment
- C. Cybersecurity requirements specification and detailed cyber risk assessment
- D. Cybersecurity requirements specification and allocation of IACS assets to zones and conduits

**Answer: D (LEAVE A REPLY)**

#### **NEW QUESTION: 10**

Which steps are part of implementing countermeasures?

Available Choices (select all choices that are correct)

- A. Establish the risk tolerance and select common countermeasures.
- B. Select common countermeasures and collaborate with stakeholders.
- C. Establish the risk tolerance and update the business continuity plan.
- D. Select common countermeasures and update the business continuity plan.

**Answer: A (LEAVE A REPLY)**

#### **NEW QUESTION: 11**

The Risk Analysis category contains background information that is used where?

Available Choices (select all choices that are correct)

- A. (Elements external to the CSMS
- B. Only the Risk ID element
- C. Many other elements in the CSMS
- D. Only the Assessment element

**Answer: B (LEAVE A REPLY)**

#### **NEW QUESTION: 12**

What is OPC?

Available Choices (select all choices that are correct)

- A. A vendor-specific proprietary protocol for the communication of real-time plant data between control devices
- B. An open standard protocol for real-time field bus communication between automation technology devices
- C. An open standard serial communications protocol widely used in industrial manufacturing environments
- D. An open standard protocol for the communication of real-time data between devices from different manufacturers

**Answer: (SHOW ANSWER)**

#### **NEW QUESTION: 13**

Which of the following is a recommended default rule for IACS firewalls?

Available Choices (select all choices that are correct)

- A. Allow IACS devices to access the Internet.
- B. Allow all traffic by default.
- C. Allow traffic directly from the IACS network to the enterprise network.
- D. Block all traffic by default.

**Answer: D (LEAVE A REPLY)**

#### **NEW QUESTION: 14**

Which of the following is an activity that should trigger a review of the CSMS?

Available Choices (select all choices that are correct)

- A. Organizational restructuring
- B. Budgeting
- C. Security incident exposing previously unknown risk.
- D. New technical controls

**Answer: C (LEAVE A REPLY)**

#### **NEW QUESTION: 15**

Which of the ISA 62443 standards focuses on the process of developing secure products?

Available Choices (select all choices that are correct)

- A. 62443-3-3
- B. 62443-4-1
- C. 62443-1-1
- D. 62443-3-2

**Answer: (SHOW ANSWER)**

#### **NEW QUESTION: 16**

Which of the following is an element of monitoring and improving a CSMS?

Available Choices (select all choices that are correct)

- A. Significant changes in identified risk round in periodic reassessments
- B. Review of system logs and other key data files
- C. Restricted access to the industrial control system to an as-needed basis
- D. Increase in staff training and security awareness

**Answer: B (LEAVE A REPLY)**

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**NEW QUESTION: 17**

What does the abbreviation CSMS round in ISA 62443-2-1 represent?

Available Choices (select all choices that are correct)

- A. Cyber Security Management System
- B. Cyber Security Monitoring System
- C. Control System Management System
- D. Control System Monitoring System

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 18**

Which activity is part of establishing policy, organization, and awareness?

Available Choices (select all choices that are correct)

- A. Establish the risk tolerance.
- B. Identify detailed vulnerabilities.
- C. Implement countermeasures.
- D. Communicate policies.

**Answer: D (LEAVE A REPLY)**

**NEW QUESTION: 19**

Which layer specifies the rules for Modbus Application Protocol

Available Choices (select all choices that are correct)

- A. Session layer
- B. Presentation layer
- C. Data link layer

D. Application layer

**Answer:** ([SHOW ANSWER](#))

**NEW QUESTION: 20**

In which layer is the physical address assigned?

Available Choices (select all choices that are correct)

A. Layer 3

B. Layer 1

C. Layer 2

D. Layer 7

**Answer:** C ([LEAVE A REPLY](#))

**NEW QUESTION: 21**

After receiving an approved patch from the JACS vendor, what is BEST practice for the asset owner to follow?

Available Choices (select all choices that are correct)

A. If a medium priority, schedule the installation within three months after receipt.

B. If no problems are experienced with the current IACS, it is not necessary to apply the patch.

C. If a low priority, there is no need to apply the patch.

D. If a high priority, apply the patch at the first unscheduled outage.

**Answer:** A ([LEAVE A REPLY](#))

**NEW QUESTION: 22**

What type of security level defines what a component or system is capable of meeting?

Available Choices (select all choices that are correct)

A. Target security level

B. Capability security level

C. Achieved security level

D. Design security level

**Answer:** B ([LEAVE A REPLY](#))

**NEW QUESTION: 23**

Which communications system covers a large geographic area?

Available Choices (select all choices that are correct)

A. Wide Area Network (WAN)

B. Storage Area Network

C. Local Area Network (LAN)

D. Campus Area Network (CAN)

**Answer:** A ([LEAVE A REPLY](#))

**NEW QUESTION: 24**

What is a feature of an asymmetric key?

Available Choices (select all choices that are correct)

- A. Uses a continuous stream
- B. Shares the same key OD.
- C. Uses different keys
- D. Has lower network overhead

**Answer:** ([SHOW ANSWER](#))

**NEW QUESTION: 25**

What are the connections between security zones called?

Available Choices (select all choices that are correct)

- A. Tunnels
- B. Pathways
- C. Firewalls
- D. Conduits

**Answer:** D ([LEAVE A REPLY](#))

**NEW QUESTION: 26**

At Layer 4 of the Open Systems Interconnection (OSI) model, what identifies the application that will handle a packet inside a host?

Available Choices (select all choices that are correct)

- A. A TCP/UDP host ID
- B. ATCP/UDP port number
- C. ATCP/UDP application ID
- D. ATCP/UDP registry number

**Answer:** ([SHOW ANSWER](#))

**NEW QUESTION: 27**

Which is the PRIMARY reason why Modbus over Ethernet is easy to manage in a firewall?

Available Choices (select all choices that are correct)

- A. Modbus is a proprietary protocol that is widely supported by vendors.
- B. Modbus uses explicit source and destination IP addresses and a single known TCP port.
- C. Modbus uses a single master to communicate with multiple slaves using simple commands.
- D. Modbus has no known security vulnerabilities, so firewall rules are simple to implement.

**Answer:** B ([LEAVE A REPLY](#))

**NEW QUESTION: 28**

Which of the following is the underlying protocol for Ethernet/IP?

Available Choices (select all choices that are correct)

- A. Object Linking and Embedding (OLE) for Process Control
- B. Highway Addressable Remote Transducer (HART)
- C. Building Automation and Control Network (BACnet)
- D. Common Industrial Protocol

**Answer: D ([LEAVE A REPLY](#))**

**NEW QUESTION: 29**

What is the purpose of ISO/IEC 15408 (Common Criteria)?

Available Choices (select all choices that are correct)

- A. To define a product development evaluation methodology
- B. To define a security management organization
- C. To describe what constitutes a secure product
- D. To describe a process for risk management

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 30**

Which is an important difference between IT systems and IACS?

Available Choices (select all choices that are correct)

- A. Routers are not used in IACS networks.
- B. The IT security priority is availability.
- C. IACS cybersecurity must address safety issues.
- D. The IACS security priority is integrity.

**Answer: C ([LEAVE A REPLY](#))**

**NEW QUESTION: 31**

Which is a PRIMARY reason why network security is important in IACS environments?

Available Choices (select all choices that are correct)

- A. PLCs are inherently unreliable.
- B. PLCs use serial or Ethernet communications methods.
- C. PLCs are programmed using ladder logic.
- D. PLCs under cyber attack can have costly and dangerous impacts.

**Answer: ([SHOW ANSWER](#))**

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