

# Effective GICSP Latest Exam Format & Newest Valid GICSP Test Review & Excellent GIAC Global Industrial Cyber Security Professional (GICSP)



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## Valid GIAC GICSP Test Review - Standard GICSP Answers

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## GIAC Global Industrial Cyber Security Professional (GICSP) Sample Questions (Q47-Q52):

### NEW QUESTION # 47

Which of the following devices is most likely to be in the same level as an HMI workstation that interfaces with a PLC?

- A. Variable speed drive
- B. Data historian
- **C. Remote terminal unit**
- D. Programmable logic controller

**Answer: C**

**Explanation:**

In the Purdue model, HMIs typically reside at Level 2 (Supervisory Control), providing interfaces for operators to monitor and control devices. Remote Terminal Units (RTUs) (D) also commonly reside at this level, interfacing between controllers and supervisory systems.

Variable speed drives (A) and PLCs (B) are usually located at Level 1 (Control Devices LAN).

Data historians (C) typically reside at Level 3 or higher in the Operations Support DMZ or enterprise network.

GICSP materials emphasize proper classification of devices by Purdue levels for effective network segmentation and security.

Reference:

GICSP Official Study Guide, Domain: ICS Fundamentals & Architecture

Purdue Model and Network Segmentation, IEC 62443

GICSP Training on ICS Network Architecture

#### NEW QUESTION # 48

Which of the following is typically performed during the Recovery phase of incident response?

- A. Updating the organization's security policies to prevent future breaches.
- B. Making a forensic image of the system(s) involved in the incident.
- C. Finding the root cause or vector used by the attacker to gain entry and maintain access.
- **D. Patching and configuring systems to meet established secure configuration standards.**

**Answer: D**

Explanation:

The Recovery phase in incident response focuses on restoring systems to normal operations and strengthening defenses:

Patching and configuring systems to meet secure standards (B) is a typical recovery activity to prevent recurrence.

Updating security policies (A) is usually part of the Post-Incident Activities or Governance.

Root cause analysis (C) is typically part of the Investigation or Analysis phase.

Forensic imaging (D) is part of the Containment and Eradication phases for evidence preservation.

GICSP aligns recovery activities with system hardening and return to normal operations.

Reference:

GICSP Official Study Guide, Domain: ICS Security Operations & Incident Response NIST SP 800-61 Rev 2 (Incident Handling Guide) GICSP Training on Incident Response Lifecycle

#### NEW QUESTION # 49

What does the following command accomplish?

```
$ chroot /home/jdoe /bin/bash
```

- A. Modifies ownership of the /home/jdoe and /bin/bash directories to root
- **B. Changes the root directory (/) to /home/jdoe for the associated user**
- C. Assigns root privileges to the /home/jdoe and /bin/bash directories
- D. Grants the jdoe user account root privileges when using a bash shell

**Answer: B**

Explanation:

The chroot command changes the apparent root directory (/) for the current running process and its children to the specified directory- in this case, /home/jdoe.

This "jails" the shell (bash) into /home/jdoe, limiting file system access to that subtree.

It does not change ownership (A), grant privileges (B or C), but provides a confined environment (sandbox).

GICSP discusses chroot as a containment and security mechanism in ICS system hardening.

Reference:

GICSP Official Study Guide, Domain: ICS Security Operations & Incident Response Linux man pages for chroot GICSP Training on System Hardening and Access Controls

#### NEW QUESTION # 50

Which control helps prevent threats to Integrity?

- A. Logging IDS alerts
- B. Firewall egress filtering
- C. Centralized LDAP authentication
- **D. Implementing digital signatures**

**Answer: D**

Explanation:

Integrity in cybersecurity ensures that data and systems are not altered or tampered with in an unauthorized manner. To protect integrity, controls must verify that data originates from a trusted source and has not been changed.

Digital signatures (D) provide cryptographic proof of data origin and integrity by enabling recipients to verify that the data has not been altered since it was signed.

Firewall egress filtering (A) limits outbound traffic but primarily protects confidentiality and availability, not directly integrity.

Logging IDS alerts (B) supports detection and auditing but is reactive rather than preventive.

Centralized LDAP authentication (C) manages user authentication and access control, mainly protecting confidentiality and accountability.

GICSP highlights digital signatures as a core control to maintain data integrity, especially for firmware, configuration files, and critical commands within ICS.

Reference:

GICSP Official Study Guide, Domain: ICS Security Principles

NIST SP 800-82 Rev 2, Section 6.5 (Information Integrity Controls)

GICSP Training on Cryptographic Controls and Data Integrity

### NEW QUESTION # 51

Implementation of LDAP to manage and control access to your systems is an outcome of which NIST CSF core function?

- A. Identify
- B. Detect
- **C. Protect**
- D. Respond

**Answer: C**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

LDAP (Lightweight Directory Access Protocol) is used to manage authentication and authorization services, controlling user access to systems and resources.

This function aligns with the Protect function (A) of the NIST Cybersecurity Framework (CSF), which focuses on access control, identity management, and protective technology to safeguard systems.

Identify (B) relates to asset management and risk assessment.

Respond (C) deals with incident response.

Detect (D) relates to discovering cybersecurity events.

GICSP maps LDAP implementation as a key protective control to ensure authorized access in ICS environments.

Reference:

GICSP Official Study Guide, Domain: ICS Security Governance & Compliance NIST CSF Framework (Protect Function) GICSP Training on Identity and Access Management

### NEW QUESTION # 52

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