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## RUCKUS RCWA Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• RUCKUS Technologies, products &amp; solutions: This section of the exam measures skills of the Certified Logistics Technician and covers RUCKUS-specific technologies, such as proprietary Wi-Fi features, Bonjour Gateway, and automated cell sizing capabilities. It focuses on the proper selection and sizing of RUCKUS controllers (SmartZone, Unleashed, ROne</li><li>• Cloud) and Access Points (APs) based on platform limitations. Furthermore, it includes knowledge of advanced features like clustering, geo-redundancy, initial IoT integration, and the necessary processes for product licensing and using RUCKUS support tools and documentation.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>• Designing &amp; Planning a RUCKUS Wi-Fi Solution: This section of the exam measures skills of the Certified Logistics Technician and focuses heavily on the detailed process of planning a RUCKUS Wi-Fi network, including gathering design requirements using site survey tools like Ekahau. It assesses the ability to define strategies for traffic management, load balancing, and network segmentation using technologies like VXLAN. This area also covers selecting the right products for specific use cases, and designing comprehensive security policies that involve RADIUS, PKI, and Role-Based Access Control (RBAC), alongside detailed AP management planning like discovery methods and PoE budgeting.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>• RUCKUS Wi-Fi Solutions: This section of the exam measures skills of the Certified Logistics Technician and covers the detailed, hands-on implementation and setup of RUCKUS solutions, specifically for SmartZone and RUCKUS One platforms. It requires knowledge of initial system setup, implementing licensing, and configuring all core network elements, including clusters, redundancy, AP groups, zones, and advanced WLAN features such as dynamic VLANs and SmartMesh. The section also covers detailed AP configuration steps, best practices for deployment, and setting up security and access controls like RBAC and guest access via captive portals.</li></ul>

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## RCWA Related Content, Exam RCWA Topic

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## RUCKUS Certified Wi-Fi Associate Exam Sample Questions (Q45-Q50):

### NEW QUESTION # 45

Which RUCKUS feature ensures clients are directed to the best frequency band (2.4 GHz or 5 GHz) during association?

- A. ChannelFly
- B. SmartCast
- C. Band Steering
- D. Band Balancing

**Answer: C**

Explanation:

Band Steering is a RUCKUS feature designed to guide dual-band capable clients toward the 5 GHz band, which generally provides better performance and less interference than 2.4 GHz.

As described in RUCKUS One Online Help - Band Steering Configuration and RUCKUS AI Documentation - Client Connectivity Optimization, when a client attempts to connect, the AP temporarily delays responses to 2.4 GHz probes, encouraging the client to associate on 5 GHz.

This feature enhances airtime efficiency and reduces congestion in dense environments. Band Balancing distributes clients between APs, while SmartCast and ChannelFly manage QoS and channel optimization, respectively.

Reference:

RUCKUS One Online Help - Band Steering and Dual-Band Optimization

RUCKUS Analytics 3.5 User Guide - Client Association and Band Utilization Analysis RUCKUS AI Documentation - Dynamic Band Selection for Dual-Band Clients

### NEW QUESTION # 46

A network administrator has saved a backup file using the default file name "RUCKUS- Unleashed\_db\_082719\_11\_07.bak". Which three actions can be taken with this backup file? (Choose three.)

- A. Display the startup-config as cleartext.
- B. Restore all configuration except system name and IP address.
- C. Restore only WLAN settings.
- D. Restore all configuration.
- E. Restore configuration of an ICX switch managed by Unleashed.
- F. Restore SmartZone controller system settings.

**Answer: B,C,D**

Explanation:

AnUnleashed backup file(e.g., RUCKUS-Unleashed\_db\_082719\_11\_07.bak) contains a comprehensive snapshot of theUnleashed network configuration, including SSIDs, WLAN policies, AP settings, and network parameters. According to theRUCKUS One Online Help - Backup and Restore section, administrators can use this file to:

\* Restore all configuration settings(A), re-establishing the network's operational state.

\* Restore only WLAN settings(B), providing flexibility when preserving SSID configurations while leaving system details unchanged.

\* Restore all configuration except the system name and IP address(E), allowing recovery to a new system without IP conflicts.

The backup file cannot display the configuration ascleartext, as it is encrypted for security. It also cannot restoreSmartZonecontroller configurations orICX switch settingsdirectly-those require separate management mechanisms.

Thus, the valid operations areA,B, andE.

References:

RUCKUS One Online Help - Unleashed Backup and Restore Procedures

RUCKUS Analytics 3.5 User Guide - Configuration Snapshot and Restore Logs RUCKUS AI Documentation - Unleashed Configuration Management

### NEW QUESTION # 47

When generating a DPSK in SmartZone, which type of key allows multiple devices to use a single passphrase?

- A. Ungrouped
- B. Unbound
- **C. Group**
- D. Bound

**Answer: C**

Explanation:

DPSK (Dynamic Pre-Shared Key) technology in RUCKUS SmartZone provides individual or group-based pre-shared keys to enhance WLAN security while maintaining user simplicity.

According to the RUCKUS One Online Help - DPSK Configuration and SmartZone WLAN Authentication Guide, a Group DPSK allows multiple devices to authenticate using a single passphrase while still maintaining encryption isolation per device. This feature is typically used in shared-device environments such as classrooms, labs, or conference rooms.

The Bound DPSK type is assigned to specific devices or user accounts, ensuring individual control, while Unbound DPSKs are not tied to any particular user or MAC address.

Group DPSKs balance security and convenience by permitting shared access under one key but with independent encryption sessions, which prevents data leakage among group members.

Reference:

RUCKUS One Online Help - WLAN Configuration: DPSK and Group Key Options RUCKUS Analytics 3.5 User Guide - Client Authentication and DPSK Monitoring RUCKUS AI Documentation - Dynamic PSK and Secure Key Distribution Overview

#### NEW QUESTION # 48

What unit is commonly used to display RSSI values?

- **A. dBm**
- B. Watts
- C. Ohms
- D. dBi

**Answer: A**

Explanation:

RSSI (Received Signal Strength Indicator) is a key measurement representing the power level of a received RF signal. It is typically displayed in dBm (decibel-milliwatts), a logarithmic unit that expresses the power relative to 1 milliwatt. In Wi-Fi systems, RSSI values usually range between -30 dBm (excellent) and -90 dBm (very weak).

According to the RUCKUS One Online Help and the RUCKUS Analytics 3.5 User Guide, signal strength metrics shown in dashboards, client views, and RF reports are represented in dBm for consistency across platforms. This allows network engineers to correlate signal levels with client connectivity performance and thresholds used for roaming or troubleshooting.

Other units such as dBi refer to antenna gain, Watts measure absolute power (not typically used in client reporting), and Ohms measure resistance. Thus, dBm is the correct and standard unit used for RSSI measurement in RUCKUS and all IEEE 802.11-based systems.

References:

RUCKUS One Online Help - Radio Settings and Signal Strength Indicators

RUCKUS Analytics 3.5 User Guide - Client Signal and Noise Metrics

RUCKUS AI Documentation - Understanding RSSI, SNR, and RF Metrics

#### NEW QUESTION # 49

Which organization certifies wireless devices as interoperable across vendors?

- **A. Wi-Fi Alliance**
- B. International Standards Organization (ISO)
- C. Internet Engineering Task Force (IETF)
- D. Institute of Electrical and Electronics Engineers (IEEE)

**Answer: A**

Explanation:

The Wi-Fi Alliance (WFA) is the global organization responsible for testing and certifying interoperability of wireless LAN products.

