

# Pass Guaranteed 2026 Fantastic RUCKUS RCWA Visual Cert Test



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## RUCKUS RCWA Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>Wi-Fi Solution Troubleshooting &amp; Repair: This section of the exam measures skills of the Certified Logistics Associate and covers the essential processes for data gathering, analysis, and troubleshooting common issues, such as client connectivity failures and problems with AP-to-controller communication. It requires using diagnostic tools, including built-in speed tests and packet frame capture, as well as understanding how to use logs and integrate with communication protocols like AAA, Syslog, and SNMP for effective diagnosis and repair.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>RUCKUS Wi-Fi Solution Management: This section of the exam measures skills of the Certified Logistics Associate and covers the necessary administrative and maintenance tasks for the overall solution. This includes managing system upgrade paths, defining and controlling administrator roles using directory services and Multi-Factor Authentication (MFA), monitoring network events and alarms, and performing critical functions like backup and restoration on the SmartZone controller. It also addresses generating reports, setting health thresholds, and identifying and locating rogue access points on a map.</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>
Topic 4	<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 5	<ul style="list-style-type: none"> <li>Foundational Wi-Fi technologies, standards &amp; concepts: This section of the exam measures skills of the Certified Logistics Associate and covers the foundational principles of Wi-Fi, including radio frequency (RF) concepts, global 802.11 standards, and frequency channelization up to the latest standards (a <ul style="list-style-type: none"> <li>b</li> <li>g</li> <li>n</li> <li>ac</li> <li>ax</li> </ul> </li> <li>BE). It assesses knowledge of antenna characteristics, the difference between Mesh and point-to-point connections, and the basics of authentication methods, including certificate usage and the high-level steps of client roaming across access points.</li> </ul>
Topic 6	<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>

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## RUCKUS Certified Wi-Fi Associate Exam Sample Questions (Q24-Q29):

### NEW QUESTION # 24

By which process does 802.11k assist in client roaming?

- A. Providing a list of available neighbor APs
- B. Forcing clients to disconnect from their associated AP
- C. Caching encryption information
- D. Ignoring join requests for weak clients

**Answer: A**

Explanation:

The IEEE 802.11k amendment enhances Wi-Fi client roaming by allowing an AP to share information about nearby access points with connected clients. This process, known as the Neighbor Report, provides a list of available APs that the client can use to make faster, more informed roaming decisions.

When a client device receives this neighbor list, it can scan fewer channels, reducing latency and improving the handoff experience—especially in enterprise networks managed by RUCKUS One, SmartZone, or RUCKUS Cloud. According to RUCKUS One Online Help and RUCKUS AI documentation, enabling 802.11k/v/r features together allows for fast and seamless roaming, as 802.11k supplies discovery data, 802.11v assists with steering decisions, and 802.11r enables fast re-authentication.

Option C is correct because 802.11k's core function is to help clients identify the best potential APs to roam to. The other options describe unrelated functions: encryption caching relates to 802.11r, ignoring weak clients is an AP policy function, and forcing disconnections occurs during load balancing or steering—not through 802.11k.

Reference:

RUCKUS One Online Help - WLAN Configuration: 802.11k/v/r Roaming Enhancements RUCKUS Analytics 3.5 User Guide - Client Mobility and Roaming Analysis RUCKUS AI Documentation - Intelligent Roaming Optimization and Neighbor Reports

## NEW QUESTION # 25

Which 802.11 PHY layer feature allows Wi-Fi 6 (802.11ax) to efficiently serve multiple clients simultaneously on both uplink and downlink?

- A. QAM256
- B. RTS/CTS
- **C. OFDMA**
- D. MU-MIMO

Answer: C

Explanation:

OFDMA (Orthogonal Frequency Division Multiple Access) is one of the core features introduced in IEEE 802.11ax (Wi-Fi 6). It divides a channel into smaller subcarriers called Resource Units (RUs), allowing an AP to communicate with multiple clients simultaneously, both on uplink and downlink.

According to the RUCKUS One Online Help - Wi-Fi 6 Features Overview, OFDMA improves spectrum efficiency, reduces latency, and increases throughput in high-density environments. RUCKUS APs such as the R750 and R850 use OFDMA in coordination with RUCKUS AI's client traffic analysis to allocate resources dynamically.

In contrast, MU-MIMO also supports multi-user communication but only in one direction (downlink for 802.11ac Wave 2, both for 11ax). QAM256 enhances modulation efficiency but doesn't enable concurrent multi-client service.

References:

RUCKUS One Online Help - Wi-Fi 6 and OFDMA Operations

RUCKUS Analytics 3.5 User Guide - PHY Layer Metrics and Multi-user Efficiency RUCKUS AI Documentation - Resource Unit Allocation and Client Scheduling

## NEW QUESTION # 26

What is the recommended overlap percentage for adjacent AP coverage areas to ensure seamless client roaming in enterprise environments?

- **A. 20-25%**
- B. 10-15%
- C. 15-20%
- D. 5-10%

Answer: A

Explanation:

To maintain seamless client roaming in enterprise-grade Wi-Fi environments, RUCKUS recommends 20-25% signal overlap between adjacent AP coverage cells.

According to RUCKUS One Online Help - Roaming and Coverage Design Guidelines, this overlap ensures clients maintain an adequate RSSI and SNR threshold during roaming events without coverage gaps.

RUCKUS Analytics 3.5 User Guide - Client Mobility Analysis confirms that insufficient overlap often leads to disconnects or sticky-client behavior, while excessive overlap increases co-channel interference.

This guideline applies across 2.4 GHz and 5 GHz deployments, ensuring smooth transitions for 802.11r/k/v-enabled clients.

Reference:

### NEW QUESTION # 27

A user reports intermittent connectivity on a 5 GHz SSID. Which RUCKUS diagnostic metric should be checked first to identify RF interference?

- A. Retransmission count
- B. Noise floor level
- C. RSSI
- D. Client retry percentage

**Answer: B**

Explanation:

The Noise Floor Level represents the background RF interference in dBm, which directly affects the Signal-to-Noise Ratio (SNR) and overall connection stability.

As stated in RUCKUS One Online Help - RF Diagnostics, an elevated noise floor (e.g., higher than -85 dBm) can indicate interference from devices such as wireless cameras or radar systems.

RUCKUS Analytics 3.5 User Guide - RF Metrics Dashboard highlights that tracking the noise floor is essential for differentiating between weak coverage and interference-based issues.

Retransmissions and retries are symptoms, while the noise floor identifies the root cause.

References:

RUCKUS One Online Help - RF Troubleshooting and Noise Floor Metrics

RUCKUS Analytics 3.5 User Guide - Signal Quality and SNR Analysis

RUCKUS AI Documentation - Interference Detection and Noise Floor Insights

### NEW QUESTION # 28

Which three factors impact indoor WLAN coverage areas? (Choose three.)

- A. Antenna diversity
- B. Spatial multiplexing
- C. AP Tx power
- D. Earth bulge
- E. Antenna pattern
- F. AP orientation

**Answer: C,E,F**

Explanation:

Indoor WLAN coverage is influenced by multiple RF and physical parameters that determine how effectively a signal propagates and maintains connectivity quality.

According to RUCKUS One Online Help - RF Design Fundamentals and RUCKUS AI Documentation - Coverage Optimization, the three most impactful factors are:

AP Transmit Power (A): Directly affects signal reach; excessive power can cause co-channel interference, while low power results in coverage holes.

AP Orientation (C): Affects signal radiation direction-wall-mounted, ceiling-mounted, or tilted deployments impact pattern uniformity and coverage overlap.

Antenna Pattern (D): Defines gain and directional behavior; omnidirectional antennas provide uniform coverage, while directional models concentrate energy for targeted areas.

Antenna diversity and spatial multiplexing improve throughput and reliability, but do not primarily determine raw coverage boundaries. "Earth bulge" is irrelevant for indoor deployments.

Reference:

RUCKUS One Online Help - Indoor RF Design and Coverage Planning

RUCKUS Analytics 3.5 User Guide - RF Performance and Propagation Reports RUCKUS AI Documentation - Antenna Pattern and Coverage Optimization

## NEW QUESTION # 29

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