

# RUCKUS RCWA New Dumps Pdf - RCWA Test Questions Fee

RCWA Exam Study Guide



RCWA

RUCKUS Certified Wi-Fi Associate Exam



Price: \$150 USD

RUCKUS Certification Score

Passing Score: 65%

Questions: 60

Exam Duration: 2 Hours

Study time: 20-60 hours

Language: English only

Validity Period

RCN Certification is valid for a period of three (3) years.

Retake Policy

Five (5) retakes allowed within one year.

Retakes are restricted as follows:

1st: one (1) immediate retake

2nd: 1-4 days after first retake

3rd-5th: 30-days between each retake

Each attempt is subject to exam fee.

Exam Description

As a RUCKUS Certified Wi-Fi Associate (RCWA), you must be able to design, deploy and manage RUCKUS Wi-Fi solutions in a variety of production environments. This exam assesses your ability to design, configure, administer, troubleshoot, and optimize RUCKUS Wi-Fi solutions.

Ideal Candidate

Before attempting the exam, you should have these critical competencies and experience:

- Foundational Wi-Fi technologies, standards, and concepts
- RUCKUS technologies, products, and solutions
- Designing and planning RUCKUS Wi-Fi solutions
- Wi-Fi solution installation, configuration, and setup
- Wi-Fi solution enhancement through tuning and optimization
- Wi-Fi solution troubleshooting and repair
- RUCKUS Wi-Fi solution management

Preparatory Courses and Study Materials

RUCKUS provides a variety of free online supporting courses listed on page 3 of this document. The Exam Blueprint starting on page 2 an overview of the topics covered in the exam. You can also use the RCWA Nishell Study Guide (see Other Online Resources below).

Target Audience

This certification is designed for wireless network designers, installers and administrators, Wi-Fi solutions architects and Wi-Fi support engineers tasked with design, installation, configuration, management, administration and troubleshooting of RUCKUS Wi-Fi deployments.

Self-Assessment Worksheet

To help you identify areas to focus your study activities, we offer a self-assessment worksheet that allows you to rate your confidence on the many topics covered in the exam. Below you'll find a blueprint of these topics with links into support documentation, followed by a list of supporting courseware.

**BEFORE SCHEDULING YOUR EXAM**

Prepare and test your system by following the instructions in [What to Expect](#) and this [video](#).

**QUESTIONS?**

Contact [rcwa@ruckus.com](mailto:rcwa@ruckus.com)

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## RUCKUS RCWA Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• <b>Wi-Fi Solution Enhancement through Tuning and Optimization:</b> This section of the exam measures skills of the Certified Logistics Technician and focuses on advanced techniques for fine-tuning and optimizing Wi-Fi network performance after deployment. It includes balancing load and frequency bands, implementing airtime fairness and decongestion methods, and using advanced 802.11 roaming amendments (k, r, v) to improve client mobility. The section also covers optimizing radio settings, such as Client Admission Control (CAC), and managing channel selection and power optimization, including the use of DFS and RUCKUS AI features.</li></ul>

Topic 2	<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 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>• 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</li> <li>• 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 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</li> <li>• b</li> <li>• g</li> <li>• n</li> <li>• ac</li> <li>• ax</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>• 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>

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## RCWA Test Questions Fee & RCWA Latest Exam Format

With the development of the times, the pace of the society is getting faster and faster. If we don't try to improve our value, we're likely to be eliminated by society. Under the circumstances, we must find ways to prove our abilities. For example, getting the RCWA Certification is a good way. If we had it, the chances of getting a good job would be greatly improved. And our RCWA exam braindumps are the tool to help you get the RCWA certification.

## RUCKUS Certified Wi-Fi Associate Exam Sample Questions (Q50-Q55):

### NEW QUESTION # 50

Which three Ethernet Port Profile configuration options are available in SmartZone for APs? (Choose three.)

- A. Tunnel Profile selection
- B. LAG creation
- C. 802.1X Authentication
- D. Spanning Tree mode
- E. Number of clients
- F. Port speed

**Answer: C,D,F**

Explanation:

An Ethernet Port Profile in SmartZone defines wired interface behavior and port settings for access points that have multiple Ethernet ports. These profiles are used to configure connectivity, security, and redundancy on wired links between APs and the upstream network.

According to the RUCKUS One Online Help - AP Ethernet Port Profiles and SmartZone 5.x Configuration Guide, the following parameters are supported:

\* Port Speed (A): Defines link negotiation-Auto, 10/100/1000 Mbps, or fixed rate.

\* Spanning Tree Mode (D): Controls loop prevention through STP configuration on AP Ethernet ports.

\* 802.1X Authentication (E): Enables port-based authentication for secure wired access on AP Ethernet interfaces, commonly used in hospitality and MDU deployments.

Other listed options-LAG creation(handled via controller-side link aggregation configuration), number of clients(a WLAN-level setting), and Tunnel Profile selection(handled under WLAN or Zone configuration)- are not part of the Ethernet Port Profile feature. Thus, the correct answers are A (Port speed), D (Spanning Tree mode), and E (802.1X Authentication).

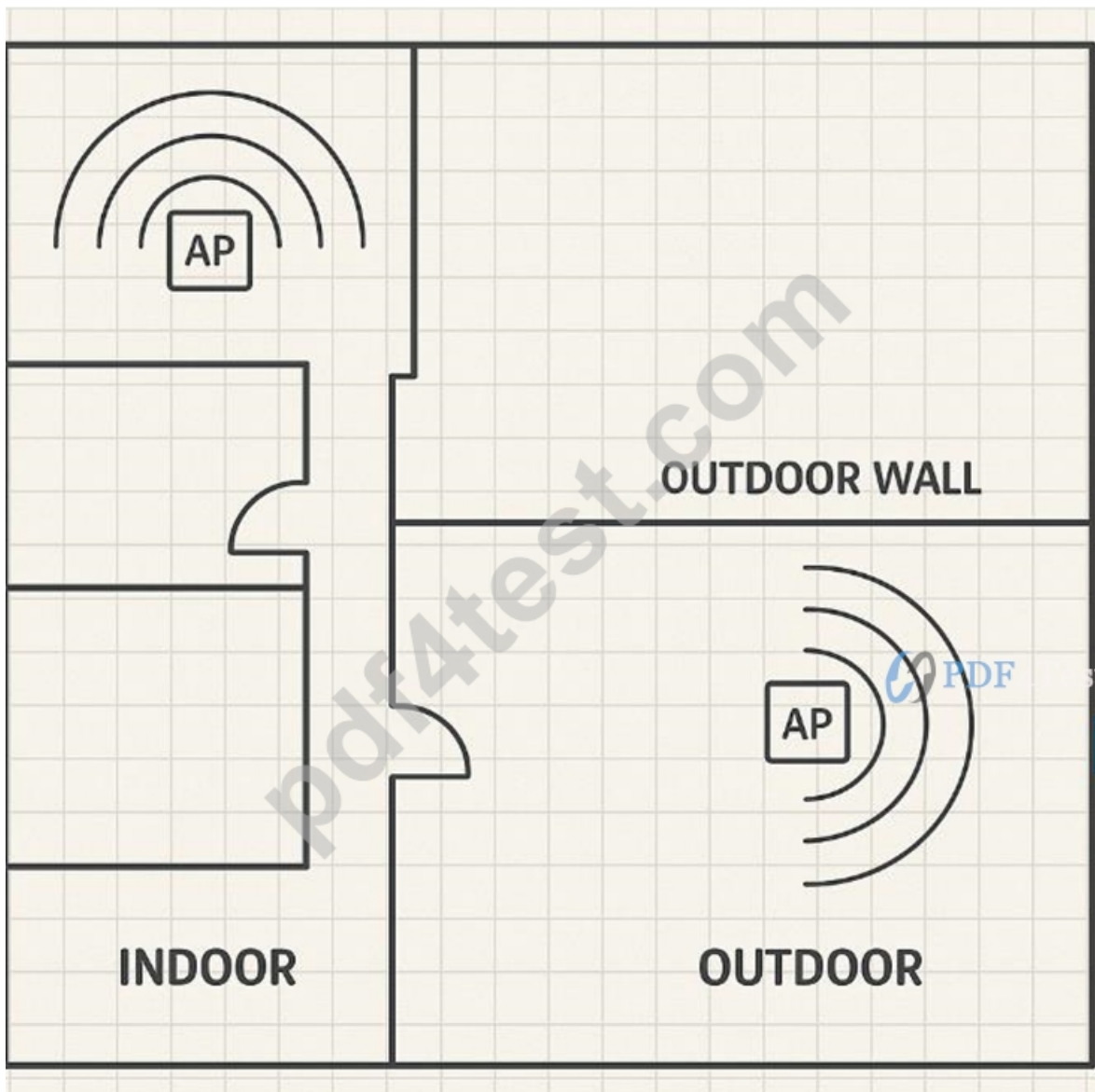
References:

RUCKUS One Online Help - AP Ethernet Port Profile Configuration

RUCKUS Analytics 3.5 User Guide - Port Configuration and Wired Interface Statistics RUCKUS AI Documentation - AP Ethernet and Wired Port Control Features

## **NEW QUESTION # 51**

Review the exhibit.



Based on the AP mounting locations, which AP antenna types provide complete coverage to both the indoor and outdoor areas?

- A. The indoor space should use Omni-Directional, while the outdoor space should use a Yagi antenna.
- B. The indoor space should use Semi-Directional, while the outdoor space should use a Patch antenna.
- C. The indoor space should use Semi-Directional, while the outdoor space should use a Yagi antenna.
- **D. The indoor space should use Omni-Directional, while the outdoor space should use a Patch antenna.**

**Answer: D**

**Explanation:**

In this layout, the indoor APs are centrally mounted to provide even signal distribution in all directions, while outdoor APs are wall-mounted facing the exterior coverage zone.

According to RUCKUS One Online Help - Antenna Selection and Deployment and RUCKUS AI Documentation - RF Design Guidelines, the best configuration for complete coverage is:

Indoor space: Use Omni-Directional antennas, which radiate uniformly in 360° for even indoor coverage and minimal dead zones.

Outdoor space: Use Patch antennas, which are semi-directional with a 60°-90° beamwidth ideal for covering patios, courtyards, or building perimeters without wasting signal behind the AP.

Yagi antennas are highly directional and suited for long-distance point-to-point links, not area coverage. Semi-directional indoor antennas are unnecessary unless indoor partitioning or wall density requires focused energy.

This combination-Omni indoors and Patch outdoors-provides optimal performance for mixed indoor-outdoor designs and aligns with RUCKUS high-density deployment best practices.

**Reference:**

RUCKUS One Online Help - Antenna Orientation and Coverage Recommendations RUCKUS Analytics 3.5 User Guide - RF Propagation and Signal Distribution Analysis RUCKUS AI Documentation - Mixed Environment RF and Antenna Design

### NEW QUESTION # 52

When configuring a WLAN for 802.1X, which mode will provide authentication service for APs in the event of a controller failure?

- A. Dynamic PSK
- B. Proxy
- C. Non-proxy
- D. Local user database

**Answer: D**

Explanation:

When configuring an 802.1X-secured WLAN, RUCKUS systems such as SmartZone, RUCKUS One, or RUCKUS Cloud typically rely on an external RADIUS server for user authentication. However, in the event of a controller failure or connectivity loss to the RADIUS server, RUCKUS APs can continue to authenticate users locally if the local user database is enabled and configured. The Local Authentication Database allows APs or controllers to store a limited set of credentials that can be used when external AAA services are unavailable. This ensures continued access and redundancy for critical WLANs without requiring external dependency. According to RUCKUS One Online Help - WLAN Configuration and AAA Settings, enabling the Local Authentication Database provides fallback authentication for 802.1X clients during system or connectivity failures. In contrast, the proxy and non-proxy modes define how authentication requests are relayed to the RADIUS server, while Dynamic PSK (DPSK) is a separate authentication method that replaces 802.1X with per-user keys.

References:

RUCKUS One Online Help - WLAN Configuration: AAA Authentication and Fallback Options  
RUCKUS Analytics 3.5 User Guide - Client Authentication and WLAN Events  
Ruckus Cloud / RUCKUS AI Documentation - Authentication Mode Descriptions

### NEW QUESTION # 53

Which three actions help keep airtime utilization low within a wireless deployment? (Choose three.)

- A. Creating extra WLANs to spread usage
- B. Mitigating sources of non-802.11 interference
- C. Ensuring sufficient AP capacity for clients
- D. Requiring all APs to use full transmit power
- E. Placing APs for coverage only
- F. Limiting older/legacy clients

**Answer: B,C,F**

Explanation:

Maintaining low airtime utilization is key to achieving high efficiency and performance in Wi-Fi networks. RUCKUS recommends minimizing factors that increase channel contention and protocol overhead.

Per RUCKUS One Online Help - Airtime Management and Optimization and RUCKUS AI Documentation - Channel Utilization Insights, the following actions are most effective:

(A) Limiting older/legacy clients: 802.11a/b/g clients transmit at lower rates and occupy more airtime per packet.

(D) Ensuring sufficient AP capacity for clients: Proper AP density ensures users are distributed evenly, reducing per-AP contention.

(F) Mitigating non-802.11 interference: Removing microwave ovens, Bluetooth devices, and other RF noise sources prevents wasted airtime from retries.

Adding more SSIDs (WLANs) increases management frame overhead, and full transmit power causes excessive cell overlap-both raise airtime use.

Reference:

RUCKUS One Online Help - Airtime Utilization and Channel Efficiency Tuning  
RUCKUS Analytics 3.5 User Guide - Channel Utilization and RF Health  
RUCKUS AI Documentation - Wi-Fi Efficiency and Airtime Optimization Techniques

### NEW QUESTION # 54

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

- A. MU-MIMO

- B. QAM256
- **C. OFDMA**
- D. RTS/CTS

**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 # 55

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