

Sample CWDP-305 Exam - CWDP-305 Certification Exam



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CWNP CWDP-305 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Define Specifications for the WLAN: This section of the exam measures the skills of a Wireless Network Planner and focuses on gathering business and technical requirements needed for designing wireless LANs. It includes understanding user needs, regulatory and safety constraints, and environmental factors. Candidates are expected to identify critical elements such as coverage, capacity, security, and device compatibility, and to analyse existing infrastructure and documentation to ensure a successful design strategy.
Topic 2	<ul style="list-style-type: none">Validate and Optimize the WLAN: This section of the exam measures the skills of a WLAN Optimization Specialist and assesses the ability to test, validate, and fine-tune wireless networks post-deployment. Key tasks include RF validation surveys, performance testing, troubleshooting connectivity and security issues, and applying appropriate physical or RF adjustments. It also involves client testing and final project handover, including documentation, knowledge transfer, and meetings to ensure long-term WLAN success.

Topic 3	<ul style="list-style-type: none"> • Design the WLAN: This section of the exam measures the skills of a WLAN Design Engineer and covers the process of selecting configurations, architecture types, and wireless components to meet business and technical requirements. It includes using design software, selecting access points and antennas, and applying methodologies such as predictive or measured design. Candidates must demonstrate the ability to produce effective documentation and configure features like QoS, roaming security, and network services for different types of client devices and applications.
Topic 4	<ul style="list-style-type: none"> • Deploy the WLAN: This section of the exam measures the skills of a WLAN Implementation Specialist and involves overseeing the deployment phase of wireless networks. It focuses on understanding deployment procedures for various WLAN architectures, configuring supporting infrastructure, and verifying proper installation. The section also addresses physical installation checks, documentation handover, and quality assurance practices during ongoing installations.

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CWNP Certified Wireless Design Professional Sample Questions (Q55-Q60):

NEW QUESTION # 55

Which document provided to your customer should include all devices and parts that are going to be used during the deployment of their WLAN infrastructure?

- A. Design report
- B. Project plan
- C. SoW
- **D. BoM**

Answer: D

NEW QUESTION # 56

Which document provided to your customer should include all devices and parts that will be used during the deployment of their WLAN infrastructure?

- **A. BoM (Bill of Materials)**
- B. Design report
- C. Project plan
- D. SoW (Statement of Work)

Answer: A

NEW QUESTION # 57

What functions do the control plane of centralized and distributed WLAN architectures help solve? (Choose all that apply.)

- **A. Transmit power**
- **B. Mobility management**
- **C. Load balancing**
- **D. Channel reuse plans**

Answer: A,B,C,D

Explanation:

The control plane in WLAN architectures is responsible for managing and optimizing various network functions to ensure efficient and reliable wireless communication. Key functions include:

Channel Reuse Plans: Determining optimal channel assignments to minimize interference and maximize spectrum efficiency.

Mobility Management: Facilitating seamless client roaming between access points without service interruption.

Transmit Power: Adjusting the power levels of access points to ensure adequate coverage while reducing interference.

Load Balancing: Distributing client connections across multiple access points to prevent overloading and maintain performance.

These functions are critical in both centralized and distributed WLAN architectures to maintain optimal network performance and user experience.

Reference: CWDP-305 Official Study and Reference Guide, Chapter on Infrastructure Design

NEW QUESTION # 58

After importing a floor plan to a predictive design tool, what should be done prior to adding APs, antennas, and attenuators (e.g., walls)?

- A. Nothing; just begin by adding APs, antennas, and attenuators
- **B. Calibrate the floor plan to increase accuracy**
- C. Add pictures of the environment
- D. Set the transmit power for all APs

Answer: B

Explanation:

When using predictive design tools for WLAN planning, it's crucial to calibrate the floor plan to ensure accurate distance measurements. This involves setting the scale of the imported floor plan so that the tool can accurately simulate RF propagation and coverage.

The CWDP-305 Official Study and Reference Guide states:

"Before placing APs and other elements, calibrate the floor plan to ensure that distances and areas are accurately represented, which is essential for precise predictive modeling." Reference: CWDP-305 Official Study and Reference Guide, Chapter on Wireless Design Process

NEW QUESTION # 59

What commonly causes a client-to-AP link imbalance?

- A. The AP's transmit power is significantly lower than the client's transmit power
- B. The AP's antenna gain is lower than the client's antenna gain
- **C. The client's transmit power is significantly lower than the AP's transmit power**
- D. The client's antenna gain is lower than the AP's antenna gain

Answer: C

Explanation:

A client-to-AP link imbalance occurs when the AP's transmit power is significantly higher than that of the client device. This disparity can lead to situations where the client can receive signals from the AP but cannot transmit signals back effectively. This imbalance is particularly problematic in environments where clients have limited transmit capabilities, such as battery-powered devices. To mitigate this issue, it's recommended to adjust the AP's transmit power to match the capabilities of the client devices, ensuring balanced communication.

Reference: CWDP-305 Official Study and Reference Guide, Chapter on Infrastructure Design

NEW QUESTION # 60

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