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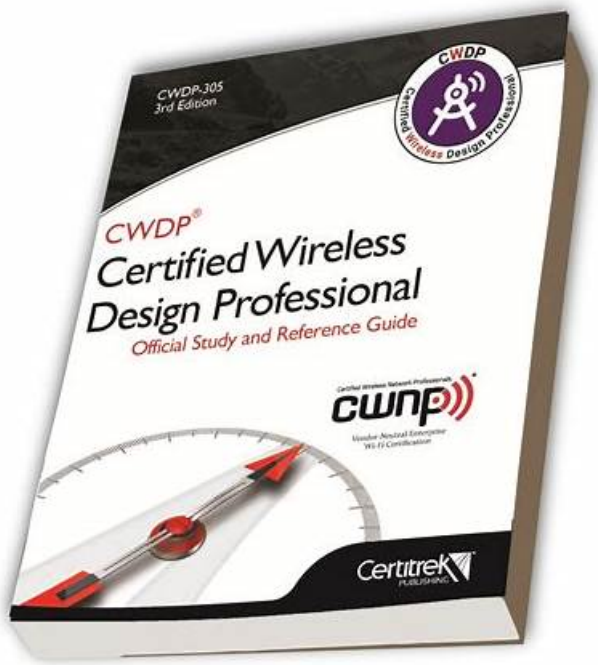

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CWNP CWDP-305 Exam Syllabus Topics:

Topic	Details
Topic 1	• 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 2	• 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.

Topic 3	• 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	• 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.

CWDP-305 exam dump, dumps VCE for Certified Wireless Design Professional

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CWNP Certified Wireless Design Professional Sample Questions (Q149-Q154):

NEW QUESTION # 149
You are testing a VoWLAN deployment, and your communication measurements show a certain amount of lost packets. What would be an acceptable packet error rate value to still provide acceptable call quality?

- A. No more than 4% PER max should be acceptable
- B. No more than 8% PER max should be acceptable
- C. There should be 0% error in a VoWLAN type of deployment
- D. No more than 1% PER max should be acceptable

Answer: D

Explanation:
Comprehensive and Detailed Explanation:
Voice over WLAN (VoWLAN) applications are sensitive to packet loss, which can degrade call quality. An acceptable packet error rate (PER) for VoWLAN is typically no more than 1%. Maintaining a PER at or below this threshold ensures that voice communications remain clear and intelligible, minimizing the impact of lost packets on the user experience.
Reference: CWDP-305 Official Study Guide, Chapter on Designing for Specific Applications

NEW QUESTION # 150
Your customer is using PSK as their only authentication. They have an industry requirement to move to a stronger solution. Your recommendation is to move to a certificate-based type of authentication where both the client and server require certificates. Which EAP type would be the best fit?

- A. PEAP
- B. EAP-FAST
- C. EAP-TLS
- D. EAP-TTLS

Answer: C

NEW QUESTION # 151
In 802.11, clients are required to be calibrated for RSSI and SNR reporting to:

- A. Within ±3 dB
- B. Within ±5 dB
- C. Within ±1 dB
- D. Within ±0.5 dB
- E. Within ±0.25 dB
- F. No specific value

Answer: F

Explanation:
Comprehensive and Detailed Explanation:
The IEEE 802.11 standard does not mandate a specific calibration accuracy for Received Signal Strength Indicator (RSSI) and Signal-to-Noise Ratio (SNR) reporting across client devices. RSSI values are relative and can vary between different hardware vendors, as each manufacturer may implement their own scale and measurement methods. This lack of standardization means that RSSI readings are not directly comparable across different devices. Therefore, there is no specific value to which clients are required to be calibrated for RSSI and SNR reporting.
Reference: CWDP-305 Official Study Guide, Chapter on ProtocolandSpectrum Analysis

NEW QUESTION # 152
If a 24-port switch has a PoE budget of 740 W, how many IEEE 802.3at devices can certainly be powered on by it?

- A. 0
- B. 1
- C. 2
- D. 3

Answer: B

Explanation:
IEEE 802.3at (PoE+) provides up to 30 watts of power per port. To determine how many devices can be supported with a total budget of 740 W:
740 W ÷ 30 W per device = 24.67
However, due to real-world power overheads and cable losses, it's safe to estimate each device may draw up to ~25-30 W. Most vendors recommend a planning budget of around 25-28 W per 802.3at device.
Safe calculation using full 30 W:
740 ÷ 30 = 24.6 # you could theoretically power 24, but for guaranteed power availability considering margin, most designs plan for:
740 ÷ 40 = 18.5 # about 18 devices conservatively
answer: 18 devices can certainly be powered.
- Reference: CWDP-305 Official Study and Reference Guide, Chapter on Infrastructure Design

NEW QUESTION # 153
Main Topic:Infrastructure Design
Question:
What operational plane would a WNMS primarily interact with?

- A. Data
- B. Integration
- C. Control
- D. Distribution
- E. Management

Answer: E

Explanation:

Comprehensive and Detailed Explanation:
A Wireless Network Management System (WNMS) is designed to monitor, configure, and manage wireless network components. It primarily interacts with theManagement Plane, which is responsible for:
Monitoring network performance.
Configuring network devices.
Managing firmware updates and policies.
This interaction allows administrators to oversee the network's health and make necessary adjustments to maintain optimal performance.
Reference:CWDP-305 Study Guide, Chapter on Infrastructure Design - Network Management Planes.

NEW QUESTION # 154
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