

CWDP-302 - Certified Wireless Design Professional

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1.. Of the following antenna connector types, which one is the smallest?

- A. RP-TNC
- B. MC Connector
- C. N Connector
- D. Male N Connector

Answer: B

2. In this question, you will compare the mobility processes of a network that supports WPA2- Personal and WPA2-Enterprise. Assume the use of a 15-character ASCII passphrase for WPA2-Personal and EAP-TTLS/MSCHAPv2 with WPA2-Enterprise. Also, assume that proprietary roaming protocols are not supported.

When a device transitions from one BSS to another within the same ESS, what step must be performed in the WPA2-Enterprise transition that are not performed in the WPA2- Personal transition?

- A. Open System Authentication
- B. 802.11 Reassociation
- C. 802.1X authentication
- D. 4-Way Handshake

Answer: C

3. A wireless engineer from your company performed a site survey in an office building where a wireless network extension was needed. He reports that while performing a Layer 1 sweep near a meeting room full of people, he detected RF activity with a very low duty cycle. He is unsure how to interpret what he recorded to determine its impact on a future Wi-Fi network.

What is true about this RF environment and its potential impact on the WLAN?

- A. The signal affects the entire spectrum and will render the wireless network unusable. It must be located and removed.
- B. The signal has a low duty cycle and should not be of major impact on the wireless network.
- C. The signal is alternating between peaks (high interference level) and valleys (low interference level). The network channel design must be built to avoid the affected peak frequencies.
- D. The signal is typical of a high radio card background noise. It shows that the card used for the Layer 1 sweep should be replaced and the Layer 1 sweep re-done.

Answer: B

4. When implementing WLAN security according to common best practices, what feature should be enabled when configuring an EAP type?

- A. The “Use WEP if RADIUS server unavailable” option
- B. The “Validate server certificate” option
- C. The “Trusted Root Certification Authorities” list
- D. The “Do not prompt user to authorize new servers or trusted certification authorities” option

Answer: B

5. What is a radome?

- A. A type of semi-circular ceiling found in atriums and that is a heavy cause of RF reflection.
- B. A weatherproof piece of plastic covering an antenna or antenna system.
- C. The unit used to measure the signal reflected backward by the end of a cable.
- D. A piece of metal positioned behind APs mounted on outdoor poles, designed to limit the butterfly effect.

Answer: B

6. Given:

In your regulatory domain, a Tx Power Level of “1” is equivalent to 17 dBm.

For every integer increment (e.g. from 1 to 2) to the Tx Power Level, the AP’s transmit power is halved.

In units of mW, what is the actual transmit power for an AP configured at a Tx Power Level of “4”?

- A. 6.25 mW
- B. 50 mW
- C. 12.5 mW
- D. 8 mW

Answer: A

7. In a large enterprise (5000+ wireless users), by what would NOT be a recommended method by which IP addresses and VLANs are assigned to different clients associated to the same AP?

- A. Each SSID is mapped to a static VLAN assignment
- B. Upstream AAA servers dynamically assign VLANs to each user or group profile

C. Radio signal metrics (RSSI, SNR, etc.) of WLAN clients are triangulated for location- based VLAN assignment during association

D. Multiple VLAN pools are designated for an SSID and user IP addresses are selected in a round-robin fashion from the associated pools

Answer: C

8. Assume that your network operates in a regulatory domain that allows use of the entire 5 GHz space allowed in the 802.11ac amendment. In your upcoming 802.11ac deployment, you would like to take advantage of the performance improvements that result from channel bonding. However, after extensive testing, you have determined that your mission- critical WLAN should not use channels requiring DFS support.

Given those two criteria (enable channel bonding and disable DFS channels), in the 5 GHz spectrum, how many non-overlapping 40 MHz channels will your system be able to use?

A. 2

B. 3

C. 4

D. 6

Answer: C

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