



200-355^{Q&As}

Implementing Cisco Wireless Network Fundamentals

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QUESTION 1

When the pre-shared key authentication method is used for WPA or WPA2, for which two functions is the pre-shared key used? (Choose two.)

- A. to act as the Group Transient Key during the bidirectional handshake
- B. to act as the Pairwise Master Key during the bidirectional handshake
- C. to derive the nonce at each side of the exchange
- D. to derive the Pairwise Transient Key

Correct Answer: BD

Pre-shared key (PSK) is computed based on a shared secret (pass-phrase) which was previously shared between the two parties using some secure channel before it needs to be used. It is used to identify both peers to each other.

The strength of the PSK depends on the strength of the pass-phrase. The strength of the PSK is important, because WPA-Personal (and WPA2-Personal) use the PSK as the Pairwise Master Key (PMK). The PMK, when combined with two random numbers (nonces) and the MAC addresses of the access point and the client, produces a unique Pairwise Transient Key (PTK) that secures the unicast traffic between the access point and the client. A new PTK is produced each time a client connects to the access point.

QUESTION 2

Which two pieces of information are needed for the wireless client to connect to the wireless network? (Choose two.)

- A. SSID
- B. security settings
- C. channel number
- D. AP name

Correct Answer: AB

QUESTION 3

From which type of diagnostic equipment must you request screenshots and recordings of possible sources of interference when you have a survey vendor perform a site survey?

- A. data link circuit identifier
- B. access point
- C. virtual path virtual circuit
- D. spectrum analysis software



Correct Answer: D

QUESTION 4

Which two statements about AES-CCMP are true? (Choose two.)

- A. It is an encryption algorithm used in the 802.11i security protocol.
- B. It is defined in 802.1X.
- C. It is the encryption algorithm used in TKIP implementations.
- D. It is required in WPA.
- E. It is required in WPA2.

Correct Answer: AE

WPA2 has replaced WPA. WPA2, which requires testing and certification by the Wi-Fi Alliance, implements the mandatory elements of IEEE 802.11i. In particular, it includes mandatory support for CCMP, an AES-based encryption mode with strong security. http://en.wikipedia.org/wiki/Wi-Fi_Protected_Access

QUESTION 5

A customer needs wireless access points on a different VLAN from the controller to join via broadcast. Which two commands are required on the Layer 3 switch? (Choose two.)

- A. ip forward-protocol tcp 5246
- B. ip helper-address
- C. ip helper-address
- D. ip forward-protocol udp 5246
- E. ip helper-address

Correct Answer: DE

Reference: <https://community.cisco.com/t5/other-wireless-mobility-subjects/capwap-discovery-using-broadcasts-only/td-p/2377189>

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