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QUESTION 1

ABC Company has a WLAN controller with 10 controller-based APs; the Voice SSID is configured for centralized data forwarding. Each AP is connected to an access port on a layer-2 Ethernet switch. Each layer-2 switch is uplinked to a single layer-3 core Ethernet switch. The WLAN controller is connected directly to the layer-3 core Ethernet switch. Layer-3 tunnels are created between all controller-based APs and the WLAN controller. A voice server is connected to the layer-3 Ethernet switch.

When a voice-enabled QoS STA sends an IP data packet to a voice server in this scenario, the DSCP value carried in the STA's IP data packet gets mapped to what and by which device?

- A. The DSCP value is mapped to an IEEE 802.1Q priority tag value by the WLAN controller.
- B. The DSCP value is mapped to the DSCP value in the encapsulating IP header by the layer-3 switch.
- C. The DSCP value is mapped to an IEEE 802.1p (802.1D-2004) UP value by the access point.
- D. The DSCP value is mapped to an IEEE 802.1Q VLAN tag by the access point.

Correct Answer: A

QUESTION 2

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.

Correct Answer: B

QUESTION 3

In a manufacturing facility with highly reflective materials, you are planning an upgrade to your existing 802.11b WLAN implementation. You have chosen a dual-band 802.11n infrastructure product for this purpose. Your client applications include:

Handheld scanners -- for inventory management Toughbooks (laptops) -- mounted on forklifts for inventory and workflow management VoWiFi phones -- used by select employees throughout the facility



You are evaluating all of the 802.11n enhancements and determining which features to enable for your environment and applications.

In this scenario, what 802.11n enhancement typically should NOT be enabled on the 2.4 GHz radio of the new APs?

- A. Multiple streams
- B. Short guard intervals
- C. Block Acknowledgments
- D. Frame aggregation

Correct Answer: B

QUESTION 4

Given: In a site survey deliverable report, you are expected to explain the spectrum measurements taken at the customer's site. What portion of a spectrum analyzer view can be used to determine if a given channel is too active for use as the active channel for a new AP?

- A. Device list
- B. Frame decode
- C. Real time FFT
- D. Duty cycle

Correct Answer: D

QUESTION 5

You are site surveying a network for VoWiFi. You have positioned an AP for a manual survey and are moving away from the AP with a phone in Survey Mode in your hand and you are reading the RSSI value of the signal received from the AP. You have previously determined that the noise floor was approximately -94 dBm on this floor of the building. The phone's documentation does not specify a recommended RSSI or SNR value for best performance.

Based on the information provided and the type of device (VoWiFi phone) you are deploying, what minimum RSSI should you plan for in all areas you are monitoring and where VoWiFi service is desired?

- A. -75 dBm
- B. -72 dBm
- C. -67 dBm
- D. -62 dBm

Correct Answer: C



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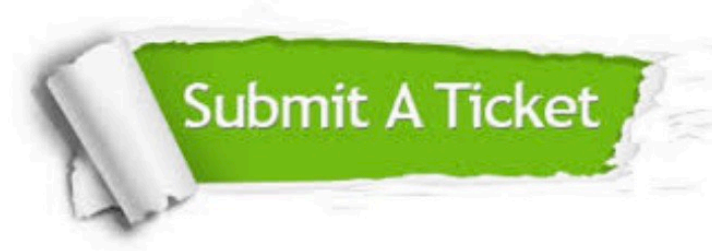
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