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**QUESTION 1**

Excessive uplink RTP frame retransmissions can result in _____.

- A. Deauthentication of the transmitter by the receiver
- B. Lowering of the data transmission rate by the transmitting station
- C. MOS scores in excess of 5
- D. Head-of-Line blocking at the receiver

Correct Answer: B

QUESTION 2

What is the purpose of DHCP Option 43, and how is it used with WLANs?

- A. It provides clients with a temporary IP address on a restricted VLAN until 802.1X authentication is completed. Then the client receives its long-term IP address.
- B. It provides IP address bindings for specific network nodes that require long-term IP address assignments. WLAN controllers are configured to use Option 43 to receive long-term IP address leases that are centrally managed with DHCP.
- C. It supports vendor-specific IP address attributes for node discovery purposes. APs use Option 43 with vendor class identifiers to obtain the IP address of a centralized WLAN controller.
- D. It integrates a DHCP server with AAA servers and user databases to dynamically assign IP addresses to client devices. During 802.1X, the AAA server uses Option 43 to notify the DHCP server what IP pool the client's address should be drawn from.

Correct Answer: C

QUESTION 3

When preparing a floor plan graphic for use in predictive and manual site surveying, what calibration method will lead to the most accurate and reliable RF data?

- A. Use the known size of a small object, such as a ceiling tile, and use a single instance of this object (e.g. a single ceiling tile) to scale the floor plan.
- B. Measure the width of an actual office doorway with a tape measure and use this value to calibrate against a doorway graphic.
- C. Use the longest available measurement (like a straight exterior wall) to calibrate the graphic's scale.
- D. Calibrate the ceiling height of the floor plan first, then the survey software should be able to auto-calibrate the X and Y planes of the graphic.

Correct Answer: C

**QUESTION 4**

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

QUESTION 5

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 6

During a post-deployment verification, you are requested to troubleshoot an area where users are experiencing poor throughput. They are using data communication only, mainly from laptops. You captured the frame showing an incorrect FCS. This frame is typical of those that were captured by the analyzer.

What does this frame reveal about the RF network in this area?



- A. One station seems to be streaming video, thus may have reserved significant bandwidth via admission control
- B. Contention Free is in place in this network, which may starve some non-QoS stations from access
- C. Multipath or excessive collisions seem to be an issue in this area
- D. The AP seems to be too far to provide enough coverage to this area

Correct Answer: C

QUESTION 7

What statement is true of a WLAN design that supports Real-Time Location Services (RTLS) with 802.11 RFID asset tags?

- A. When passive tags are implemented, the AP density should be increased by 25% to make up for the shorter transmit range of passive tags as compared to active tags.
- B. Active RFID tags periodically transmit 802.11 beacon management frames that must be synchronized with the AP for proper location of the tagged asset.
- C. With passive tags, AP transmit gain should be increased to supply extra power for near-field coupling or backscatter modulation from the tag to the AP since the passive tag lacks an internal power source.
- D. Passive tags do not communicate directly with the WLAN infrastructure, but instead they rely on the tag reader to communicate tag information to the infrastructure's location tracking server/database.

Correct Answer: D

QUESTION 8

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

Correct Answer: B

QUESTION 9

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

Correct Answer: B

QUESTION 10

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 11

Given: The 802.11ac APs you have selected for your public access deployment support many of the PHY and MAC enhancements offered by the 802.11n and 802.11ac amendments. The AP is configured for a single-band (2.4 GHz) and only allows 20 MHz channels. The WLAN radio in the AP is a 3x3 802.11n chip that supports two spatial streams.

What is the maximum MCS rate that could be supported by this AP?

- A. 54 Mbps
- B. 65 Mbps
- C. 108 Mbps
- D. 144 Mbps

Correct Answer: D

QUESTION 12



In a PC-based spectrum analyzer, what data chart identifies the overall RF utilization of a specific frequency in the environment being surveyed?

- A. FFT Max Hold
- B. FFT Average
- C. Swept Spectrogram
- D. Duty cycle

Correct Answer: D

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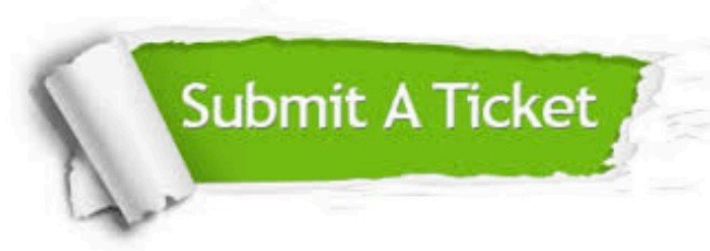
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