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QUESTION 1

Which features are incorporated in the 802.11-2007 specification and are recommend for robust WLAN client security? (Choose 2)

A. SSID hiding

B. CAPWAP with DTLS

C. 802.1X/EAP

D. CCMP cipher suite

E. IPSec VPN

F. MAC address whitelists

Correct Answer: CD

QUESTION 2

What statement about the IEEE 802.11e QoS facility is true?

A. 802.11 QoS is achieved by giving high priority queues a statistical advantage at winning contention.

B. Four 802.1p user priorities are mapped to eight 802.11 transmit queues.

C. When the Voice queue has frames awaiting transmission, no data will be transmitted from the Best Effort queue.

D. To improve efficiency, Block Acknowledgments are required for Voice and Video WMM queues.

E. 802.11 control frames are assigned to the 802.11 EF priority queue.

Correct Answer: A

QUESTION 3

What is required to establish a high quality 2.4 GHz RF link at a distance of 3 miles (5 kilometers)?

A. Minimum output power level of 1 W

B. Accurate Earth Bulge calculations

C. Directional antennas at each endpoint

D. A minimum antenna gain of 13 dBi at both endpoints

E. A Fresnel Zone that is at least 60% clear of obstructions

Correct Answer: E

QUESTION 4

The 802.11 protocol specifies a fundamental channel access method that is required for all stations and is used in all IBSS and BSS networks. What is this fundamental channel access method called?

A. DCF

B. PCF

C. HCF

D. EDCAF

E. HCCA

F. PCF/CA

Correct Answer: A

QUESTION 5

In addition to throughput enhancements, what other improvements does 802.11n provide when compared with 802.11a/g? (Choose 2)

A. Introduces "fast transition" roaming protocols for VoWiFi phones

B. Better link reliability between 802.11a/b/g client devices and 802.11n APs

C. Improves service quality for real-time applications at greater distances

D. Increases in receive sensitivity enhance RTLS location accuracy

E. Stronger security with more robust encryption modes.

Correct Answer: BC

QUESTION 6

What problems may exist for a multiple channel architecture (MCA) WLAN when its APs are all operating at full power (typically 100mW)? (Choose two)

A. Wi-Fi enabled voice handsets with low transmit power can experience asynchronous downlink and uplink performance.

B. WLAN client stations can experience the hidden node problem when located near each other within the same cell.

C. The mismatched power between WLAN client stations and APs violates regulatory and IEEE signal quality requirements.

D. Cell size may be too large, causing co-channel interference to adjacent cells and reducing system capacity.

E. APs operating in the 2.4 GHz band would prevent microwave ovens and analog video cameras from functioning.

Correct Answer: AD

QUESTION 7

What features were introduced in the IEEE 802.11h amendment in order to uphold regulatory requirements for 5 GHz operation? (Choose two)

A. Automated Radio Measurement (ARM)

B. Distributed Coordination Function (DCF)

C. Frequency Shift Keying (FSK)

D. Transmit Power Control (TPC)

E. Radio Resource Management (RRM)

F. Dynamic Frequency Selection (DFS)

Correct Answer: DF

QUESTION 8

During the discovery and connectivity process, client and AP stations exchange information about their supported data rates. After the association, how do client and AP stations select the supported data rate that will be used to send an

802.11 data frame?

A. During the association, the client and AP agree to use the same transmit rate, but either station can request a change at any time after the association.

B. The client and AP each choose the optimal data rate to use independently of one another, based on their own experience of the RF link.

C. The client and AP may use different transmit rates, but the AP determines the data rate that will be used by each client station in the BSS.

D. The client and AP may use different transmit rates, but the client determines the data rate that it will use and the data rate that the AP will use when communicating to the client.

E. The client and AP may use a different transmit rates, but the transmit rate is determined by the peer station, based on the peer\\'s experience of the RF link.

Correct Answer: B

QUESTION 9

What are two channel modes specified by the 802.11n (High Throughput) PHY? (Choose two)

A. 20 MHz

B. 20/40 MHz

C. 5/10 MHz

D. 22 MHz

E. 80 MHz

F. 160 MHz

Correct Answer: AB

QUESTION 10

Given:

ABC Company has hired you to perform an indoor site survey of their 7-story facility. ABC Company owns the building and rents out unused floors (floors 2 and 4) to other companies, and the other companies use 802.11 WLANs already.

ABC Company wants all of the offices they occupy to be surveyed as part of the project.

What actions should be recommended as part of the site survey project? (Choose two)

A. Verify that RF signals from ABC\\'s APs are not penetrating outside the perimeter of the building.

B. Determine how much signal strength is bleeding between floors.

C. Locate wiring closets on each floor occupied by ABC Company.

D. Identify security best practice violations on neighboring WLANs.

E. Verify that ABC\\'s APs are not directly above or below APs on adjacent floors.

Correct Answer: BC

QUESTION 11

What statement best describes the manual RF site survey report?

A. It is a series of notes taken during the interview with the network manager and given to the site survey project manager.

B. It is a one-page network inspection summary used to create a certificate of network compliance.

C. It contains the results from the RF coverage, capacity, and interference analysis.

D. It is an internal document used by the site surveying firm for network deployment, and is not usually shown to the client.

E. It states the customer requirements, business justification, and a detailed budget for the WLAN.

Correct Answer: C

QUESTION 12

What statement about 802.3af Power over Ethernet (802.3, Clause 33) is true?

A. If a dual-radio access point requires 12W to operate, a PoE power source supplies 15.4W to the powered interface.

B. 802.3af-compliant endpoint and midspan PSE devices support 10/100 as well as Gigabit (1000Base- T) data rates.

C. Class 1 powered devices may use a maximum of 29W of power.

D. 802.3af-compliant Ethernet switches must be able to simultaneously support class 3 powered devices on every powered interface.

E. There are two classes of 802.3af PSEs: Type A supports up to 7W and Type B supports up to 15W of supplied power.

Correct Answer: A

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