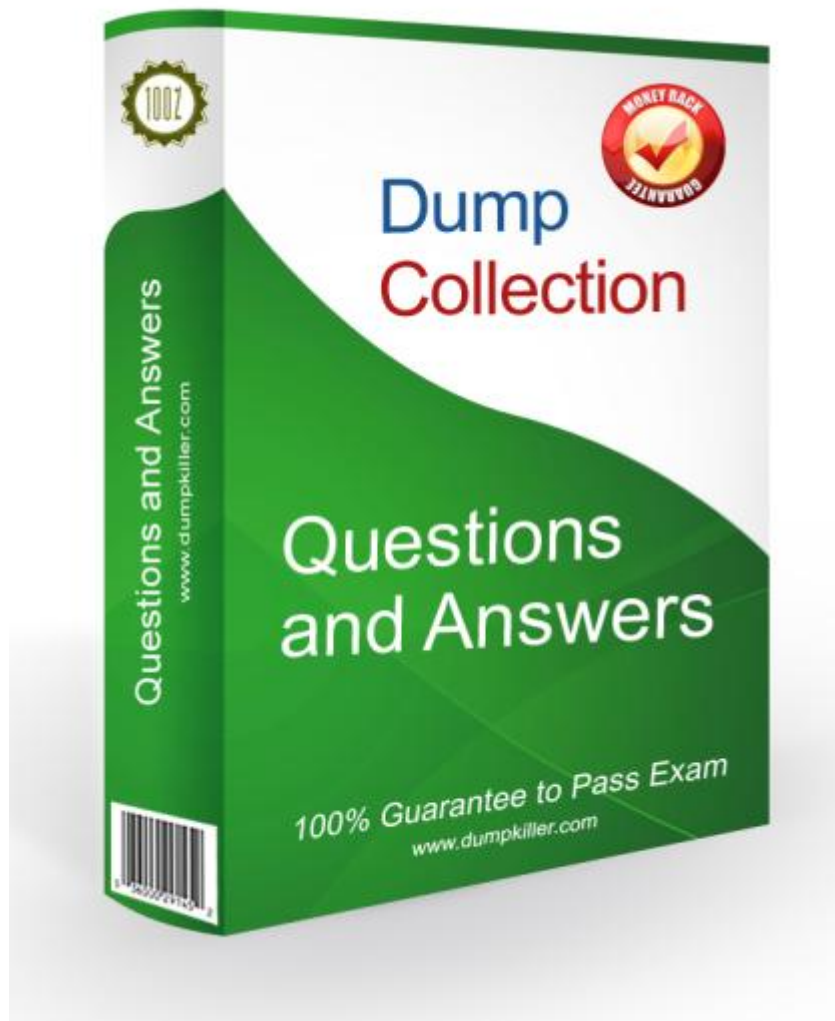


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Exam : **300-360**

Title : **Designing Cisco Wireless Enterprise Networks**

Vendor : **Cisco**

Version : **DEMO**

NO.1 Which description of the ideal VoWLAN design is true?

- A. smaller cells with all data rates enabled to ensure that all clients can associate
- B. larger cells with higher data rates enabled and WPA2 to secure voice conversations
- C. smaller cells with higher data rates enabled and admission control enabled through WMM
- D. smaller cells with higher data rates enabled and no overlap to prevent co-channel interference

Answer: C

NO.2 An engineer is concerned with the compliance guidelines for human exposure to a rooftop RF transmitter that has been recently installed.

What regulation should be reviewed to ensure proper certification?

- A. OSHA 1910.97
- B. FCC QET Bulletin 65
- C. NFPS Article 810
- D. SCEE Section 28.1

Answer: B

Explanation

Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields; This revised OET Bulletin 65 has been prepared <https://www.fcc.gov/general/oet-bulletins-line>

NO.3 An engineer plugs in a Cisco Aironet 2700 Series Access Point and it is running in low power. Which three power requirements should be verified? (Choose three.)

- A. 802.3ac compliant
- B. 802.3at compliant
- C. AP requires 43 VDC to function in full power.
- D. AIR-PWRINJ3 power injector should be used.
- E. AP requires 57 VDC to function in full power.
- F. AIR-PWRINJ4 power injector should be used.

Answer: B E F

Explanation

The access point should be powered by any 802.3at compliant device.

The recommended external power supply for the access point is the Cisco AIR-PWR-B power supply.

The access point can also be powered by the following optional external power sources:

- Access point power injector (AIR-PWRINJ4)
- Any 802.3af compliant power injector is supported, but in this case the access point will dynamically shift from 3x4 to 3x3.

NO.4 What are two advantages of conducting an active survey versus a passive survey when verifying RF coverage?

(Choose two.)

- A. verifies packet loss
- B. verifies roaming
- C. verifies SNR
- D. verifies signal level

E. verifies interferers

Answer: A B

NO.5 Which three WLC actions are needed to properly enable queuing with TSPEC for voice traffic?(choose three)

A. configure WLAN platinum QoS

B. configure WLAN gold QoS

C. configure DTIM=2

D. configure global 802.11b/g/n/ac, or both, to voice CAC

E. configure WLAN setting to enable WMM.

F. Configure WLAN Aironet information elements to enabled.

Answer: A D E

NO.6 A Cisco 7925 phone at a client's location is not registering with CUCM. The engineer analyzes a packet capture, sees that the phone receives an IP, and downloads the proper configuration file from TFTP successfully. What type of messages should the phone be sending at this point?

A. H.245

B. H.323

C. MCGP

D. SCCP

Answer: D

NO.7 An engineer is performing a predictive wireless design for a carpeted office space, which requires voice capability and location services. Which two requirements are inputs to the design? (Choose two.)

A. overlapping -67 dBm coverage from three access points

B. overlapping -75 dBm coverage from three access points

C. overlapping -72 dBm coverage from two access points

D. continuous -67 dBm coverage from one access point

E. continuous -72 dBm coverage from one access point

Answer: A D

Explanation

For a voice network the APs are grouped closer together and have more overlap than a data-only installation because voice clients need to roam to a better AP before dropping packets. Generally, you should create smaller cells than for data-only networks and ensure the overlapping cell edges are at or above -67 dBm.

NO.8 An engineer is configuring an autonomous AP for RADIUS authentication. What three pieces of information must be known to configure the AP? (Choose three.)

A. BVI IP address

B. group name

C. RADIUS IP address

D. PAC encryption key

E. username and password

F. shared secret

Answer: B C F

NO.9 What is a common cause for signal attenuation?

A. Cinder block wall

B. Office window

C. Metal door

D. Glass wall

Answer: C

NO.10 A wireless engineer is hired to design a network for six buildings with a WLC in each building to support the access points.

Which type of wireless architecture is being used?

A. distributed deployment

B. autonomous deployment

C. unified deployment

D. centralized deployment

Answer: D

NO.11 A customer has a business-critical voice network and wants to be alerted whenever voice clients move out of a coverage area and experience RSSI below -67 dBm on the 5 GHz band. Which option can be configured on the wireless controller to alert network administrators when this limit is surpassed?

A. EDCA; voice optimized

B. SIP voice sample interval

C. 802.11a voice RSSI coverage threshold

D. traffic stream metrics

Answer: C

NO.12 Refer to the exhibit.

<input type="radio"/> Freeze <input type="radio"/> OFF <input type="button" value="Invoke Channel Update Once"/> Avoid Foreign AP interference <input checked="" type="checkbox"/> Enabled Avoid Cisco AP load <input type="checkbox"/> Enabled Avoid non-802.11a noise <input checked="" type="checkbox"/> Enabled Avoid Persistent Non-WiFi Interference <input checked="" type="checkbox"/> Enabled Channel Assignment Leader REMOTE (10.10.200.254) Last Auto Channel Assignment 684 secs ago DCA Channel Sensitivity Medium (15 dB) Channel Width <input checked="" type="radio"/> 20 MHz <input type="radio"/> 40 MHz <input type="radio"/> 80 MHz Avoid check for non-DFS channel <input checked="" type="checkbox"/> Enabled	<input type="radio"/> Interference Optimal Mode (TPCv2) <input checked="" type="radio"/> Coverage Optimal Mode (TPCv1) Tx Power Level Assignment Algorithm Power Level Assignment Method <input checked="" type="radio"/> Automatic Every 600 secs <input type="radio"/> On Demand <input type="button" value="Invoke Power Update Once"/> <input type="radio"/> Fixed 1 - Maximum Power Level Assignment (-10 to 30 dBm) 30 Minimum Power Level Assignment (-10 to 30 dBm) 20 Power Assignment Leader REMOTE (10.10.200.254) Last Power Level Assignment 50 secs ago Power Threshold (-80 to -50 dBm) -70 Power Neighbor Count 3	
DCA Channel List 52, 56, 60, 64, 149, 153, 157, 161, 165 DCA Channels	802.11a Global Parameters General 802.11a Network Status <input checked="" type="checkbox"/> Enabled Beacon Period (milliseconds) 100 Fragmentation Threshold (bytes) 2346 DTPC Support <input checked="" type="checkbox"/> Enabled Maximum Allowed Clients 200 RSSI Low Check <input type="checkbox"/> Enabled RSSI Threshold (-60 to -90 dBm) -80 802.11a Band Status Low Band Enabled Mid Band Enabled High Band Enabled	Data Rates** 5 Mbps Supported 9 Mbps Supported 12 Mbps Mandatory 18 Mbps Supported 24 Mbps Supported 36 Mbps Supported 48 Mbps Supported 54 Mbps Supported CCX Location Measurement Mode <input type="checkbox"/> Enabled

An engineer has determined that Cisco 7925 phones are roaming between 2.4 GHz and 5 GHz radios on the same access points, which results in poor audio performance. Which action must the engineer take to mitigate this issue?

- A. Enable TPCv2 to normalize the RF environment.
- B. Configure EDCA parameters for Voice Optimized.
- C. Configure the Cisco 7925 phone to only use 5 GHz.
- D. Enable Band Select on the WLAN

Answer: B