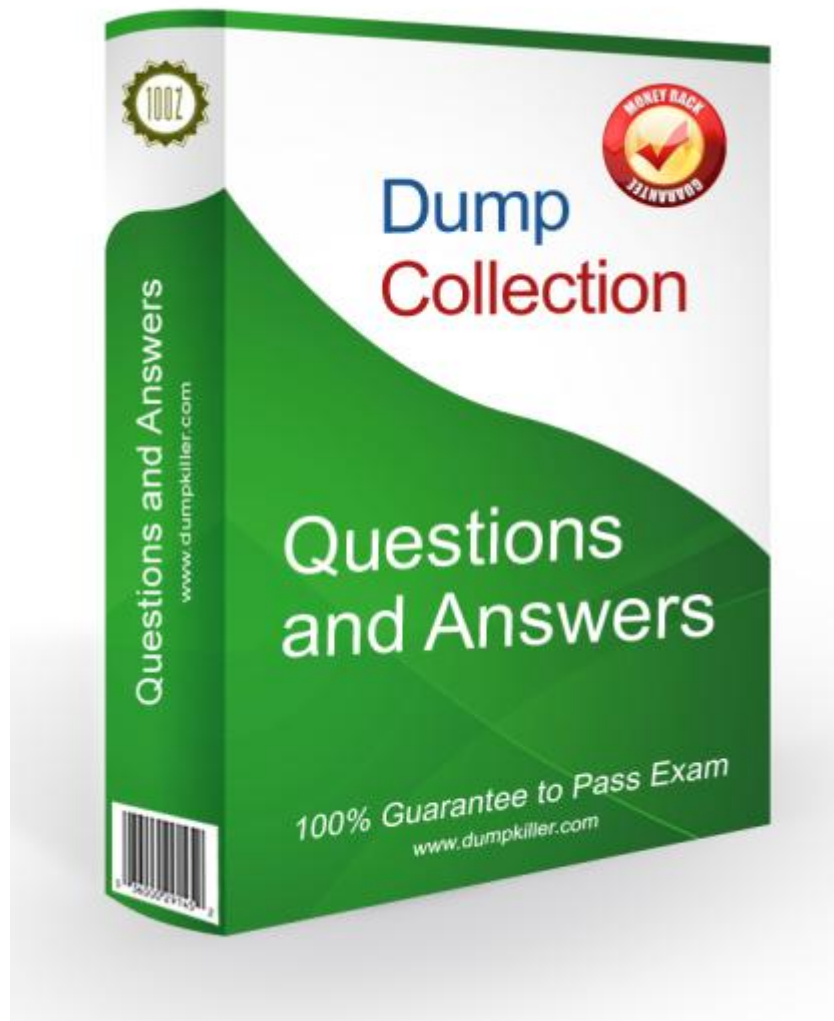


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Exam : **300-360**

Title : **Designing Cisco Wireless
Enterprise Networks**

Vendor : **Cisco**

Version : **DEMO**

NO.1 When designing and deploying an outdoor mesh network, what is the appropriate RF cell overlap?

- A. 10 percent
- B. 15 percent
- C. 20 percent
- D. 25 percent
- E. Application dependent

Answer: E

NO.2 You are designing a wireless mesh network for an oil refinery.

What is the Cisco- recommended model of a Cisco Aironet 1550 Series Outdoor Access Point for this location?

- A. 1552I
- B. 1552CU
- C. 1552E
- D. 1552H

Answer: D

Explanation:

Cisco Aironet 1552H Access Point

This ruggedized, outdoor, 802.11n access point is suitable for generic hazardous environments, and does not require a wireless sensor network.

<https://www.cisco.com/c/en/us/products/wireless/aironet-1550-series/index.html>

NO.3 Which type of information should be included in an installation report?

- A. A complete characterization of the external WLAN environment.
- B. The exact number of users the WLAN will support.
- C. Soft copies of configuration for switches, routers, controllers, and location appliances.
- D. A detailed description of the WLAN environment during the post-installation testing, for example, number of people present, furniture, no furniture, and sources of interference present.

Answer: C

NO.4 During an installation of a wireless network in a country that follows ETSI standards, the customer is requesting to manually set the channels on the 2.4GHz radios. Which channels are recommended for use in this deployment?

- A. 52, 56, 60, 64
- B. 1, 6, 11, 14
- C. 36, 40, 44, 48
- D. 1, 5, 9, 13

Answer: C

NO.5 Refer to the exhibit.



Which type of cable connector is displayed that is used to connect antennas to transmitters?

- A. RP-TNC
- B. N
- C. SMA
- D. SMB
- E. MMCX

Answer: B

NO.6 What is the optimal distance between APs for location services without considering the physical environment?

- A. 10 to 25 feet
- B. 90 to 120 feet
- C. 50 to 70 feet
- D. 80 to 100 feet

Answer: C

Reference:

<http://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Mobility/emob41dg/emob41dg-wrapper/ch13LocA.html>

NO.7 An engineer has performed a post-deployment site survey and noticed that access points were installed in suboptimal locations due to physical restrictions and obstacles. Which action must the engineer take to resolve this deployment issue?

- A. Set DCA Channel Assignment Method to freeze.
- B. Set all Auto RE parameters to factory default
- C. Set TPC maximum and minimum power levels.
- D. Set static channels on all AP radios.

Answer: C

Explanation:

Suspect poor coverage/not enough AP density -- If AP transmit power is already at the maximum, you can enable the lower data rates to allow clients to connect from farther away. This has a negative

impact on performance, but it can help the customer understand that additional APs might be necessary.

<https://www.cisco.com/c/en/us/support/docs/wireless/5500-series-wireless-controllers/116057-site-survey-guidelineswlan-00.html>

NO.8 Which two types of information must be included in the installation inventory portion of the post-installation report? (Choose two.)

- A. all AP, controller, and MSE administrator credentials
- B. the names, locations, IP addresses, MAC addresses, etc. for every AP, controller, and MSE in the WLAN
- C. a layout of the rack that the equipment is installed
- D. results of the coverage audit performed with the site survey mapping tool
- E. the number and type of all WLAN clients and tags

Answer: A,B

NO.9 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.10 An engineer is assigned to replace an older data-grade autonomous wireless network with a Cisco controllerbased wireless network to meet Voice over WLAN needs. The customer also wants all existing cable infrastructure to be reused and no new cable be specified.

How should the engineer respond to the customer's requirements?

- A. Implement the wireless network with the restraints and decrease the TPC neighbor threshold to increase Tx power to provide overlapping cell coverage at sufficient SNR to provide for Voice over WLAN service.
- B. Implement the wireless network with the restraints and utilize high-gain antenna to provide overlapping cell coverage at sufficient SNR to provide for Voice over WLAN service.
- C. Inform the customer that the network will not likely function as desired and a post install survey with the possibility of some new cable would be recommended.
- D. Inform the customer that it is not possible to provide coverage and quality for Voice over WLAN using existing AP locations and an entire overbuild will be necessary.

Answer: B

NO.11 An engineer has added an access point to a deployment after a post-installation site survey. The engineer then notices that there has been an increase in co-channel interference and retransmissions. Which two features can help mitigate the issue? (Choose two.)

- A. Coverage Hole Detection
- B. Transmit Power Control

- C. Enhanced Distributed Channel Access
- D. Cisco Compatible Extensions
- E. Dynamic Channel Assignment

Answer: C,E

NO.12 A wireless engineer is configuring VoWLAN on a WLC.

Which configuration should be implemented on the router or switch that is connected to the WLC?

- A. The interface on the switch or router should trust the CoS settings of the WLC.
- B. The interface on the WLC should mark all packets as EF.
- C. The interface on the switch or router should strip all CoS markings on the IEEE 802.11 header.
- D. The interface must be configured as a Layer 3 interface.

Answer: A

Explanation:

We recommend that the QoS policy on the router/switch interfaces connected to the WLC be set to trust the CoS settings of the WLC. This means that the wired network responds to the CoS values controlled by the QoS policy set on the WLC. The WLC does not enforce any policy that changes the WLAN client DSCP values. The WLC policy effects will only be seen in the CoS values associated with the WLAN client traffic.

If the routers and switches connecting to the WLC are set to trust DSCP, then a DSCP policy must be created and maintained on those router and switch interfaces--in addition to the policies applied on the WLC. For more information on WLAN QoS and traffic classification, refer to the Chapter 3, "Voice over WLAN Radio Frequency Design".

https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Mobility/vowlan/41dg/vowlan41dg-book/vowlan_ch8.html

NO.13 What protocol can be enabled to listen in on IPv4 multicast streams and maintain a map of what each client requests on a wireless LAN controller?

- A. IGMP
- B. MLD
- C. PAP
- D. ICMP
- E. SIP
- F. NTP

Answer: A

NO.14 Which two pieces of physical infrastructure information should be included in the installation report presented to the customer? (Choose two.)

- A. A list of router and switch models, serial numbers and locations.
- B. The total square footage of the customer's facility.
- C. An analysis of the facility exterior wall and roof construction materials.
- D. The cable scan results for the entire customer facility.
- E. An installation inventory of all controllers and APs in the WLAN coverage area.

Answer: D,E

NO.15 A wireless engineer is hired to troubleshoot wireless network issues and discovers that the customer is using 802.11ac access points with 80 MHz-wide channels in a high-density environment. Which solution addresses these issues?

- A. Disable RRM on the WLC.
- B. Disable TPC on the WLC
- C. Decrease the channel width.
- D. Increase the minimum data rate supported

Answer: D

NO.16 An engineer is preparing for an active site survey of a hospital and is informed that he or she should not enter any active surgery suites.

Which option describes how the engineer should address this restriction?

- A. Conduct a passive wireless survey in the restricted areas.
- B. Use the predictive AP placement tool on the wireless controller
- C. Skip the area and estimate where to place the access points.
- D. Arrange to perform survey activities after hours.

Answer: A

Explanation:

Passive Survey

Passive surveys are surveys that are performed with a listen-only mode. The survey client never associates to the access point (AP). Such surveys can be helpful when you look for rogue devices or you want a good gauge of downlink RF coverage from the infrastructure devices. These can be accomplished with a passive survey.