



300-360^{Q&As}

Designing Cisco Wireless Enterprise Networks

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**QUESTION 1**

An engineer is tasked with designing a WLAN. The customer is prioritizing data speeds to the laptops, but is also entertaining the idea of adding 802.11 phones in the future. Given this information, how should the engineer conduct the survey?

- A. restrict AP cell edges to -67dBm and be sure to strategically place APs in congested office spaces
- B. consider the employee head count in congested office space and limit the edge of each cell to an RSSI of -67mW
- C. stagger the AP placements, and be sure to have a high signal to noise ratio that will accommodate the future VoIP devices
- D. co-locate access points when possible to cover high user areas and place APs at each corner of the facility

Correct Answer: A

QUESTION 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

Correct Answer: D

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>

QUESTION 3

An engineer is performing a post-installation site survey and is concerned that Coverage Hole Detection is negatively skewing the survey results. Which two events signify that Coverage Hole Detection (in its default configuration) is being triggered? (Choose two.)

- A. a power level increase after 90 seconds of poor performance
- B. three clients on an AP reporting an RSSI of -77 dBm
- C. a power level increase after 5 seconds of poor performance
- D. three clients on an AP reporting an RSSI of -83 dBm
- E. two clients on an AP reporting an RSSI of -80 dBm



Correct Answer: BE

QUESTION 4

If you are calibrating for 2.4 GHz and the site will not be using 802.11 and 802.11b data rates, what should be done to ensure an accurate calibration?

- A. Make sure that the access points have the unused rates disabled.
- B. Make sure that you are using an 802.11b client when calibrating.
- C. Make certain that there are no legacy clients when performing the calibration because they will disrupt the process.
- D. Make sure to use a client that supports both 802.11b/g and 802.11a.

Correct Answer: A

QUESTION 5

A wireless engineer must improve the roaming performance of the handheld mobile video units. Which feature must be enabled in the controller?

- A. HT
- B. AVC
- C. PMF
- D. FT

Correct Answer: D

QUESTION 6

An engineer is preparing for an indoor wireless LAN survey and is provisioning a survey kit. Which three pieces of equipment should be included? (Choose three.)

- A. external connector access point
- B. integrated antenna access point
- C. coax low-loss cable
- D. battery operated power supply
- E. range finder
- F. Yagi antennas

Correct Answer: BDE

**QUESTION 7**

Which three statements describe WLAN RF interaction with environmental situations? (Choose three.)

- A. Outdoor rain or indoor humidity affects diffraction.
- B. Outdoor rain or indoor humidity affects attenuation.
- C. RF frequency is inversely related to attenuation.
- D. RF frequency is directly related to attenuation.
- E. The human body affects diffusion.
- F. The human body affects attenuation.

Correct Answer: BDF

QUESTION 8

What is the Cisco-recommended cell overlap percentage for a typical RToWLAN network design?

- A. 5 to 10
- B. at least 20
- C. a maximum of 20
- D. at least 50

Correct Answer: B

QUESTION 9

An engineer has performed a post-installation site survey using Ekahau Site Survey with a recommended adapter. Which two metrics can be different between the adapter used to survey and the client adapter? (Choose two.)

- A. SNR
- B. data rate
- C. DFS
- D. channel overlap
- E. WMM

Correct Answer: AB

You must take note on what adapter was used in a site survey. The adapter should have similar characteristics to the adapters on the devices that are actually to be used in the wireless network. You should always verify what type of client



adapter was used throughout the survey. A client adapter with a better receiver sensitivity and stronger antenna does not provide accurate results to compare against clients that are actually used in production.

QUESTION 10

The CIO of a company wants to start tracking inventory in the warehouse using RFID tags and their existing wireless network.

The company hires a wireless engineer to ensure that their existing network can support this new initiative. Which tool in the Cisco Prime Infrastructure can you use to identify whether an existing network can support RFID tags?

- A. Planning Mode
- B. Voice Readiness
- C. Site Survey
- D. Location Readiness

Correct Answer: D

QUESTION 11

A customer has dual-band devices that they want to use 40 MHz channels. If the customer is using Cisco 3600 Series access points with a 5508 controller. Which setting assists with this change?

- A. Enable band select globally.
- B. Enable aggressive load balancing.
- C. Disable lower data rates on 802.11G GHz radios.
- D. Disable overlapping 802.11G channels.

Correct Answer: A

QUESTION 12

You have a customer that is building a new campus of four 3-story buildings that you have just completed the site survey for. The customer is interested in the amount of rack space they will need to allocate in either the building MDF or in the data center for controllers. Each building is going to require 75 APs to support voice and data. How should the controllers be deployed to provide the least number of controllers, the highest redundancy, and the easiest management?

- A. Use the centralized deployment method in the data center with the N + N redundancy method.
- B. Use the centralized deployment method in the data center with the N + 1 redundancy method
- C. Use the centralized deployment method in the data center with the 1 + 1 redundancy method and client SSO.
- D. Use the distributed deployment method in each building MDF with the N + 1 redundancy method.



E. Use the distributed deployment method in each building MDF with the N + N + 1 redundancy method.

F. Use the distributed deployment method in each building MDF with the N + N redundancy method.

Correct Answer: B

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