Vendor: CISCO

Exam Code: 642-732

Exam Name: Conducting Cisco Unified Wireless Site Survey V2
QUESTION 1
When designing for location services, how many APs should be heard by each location-ready AP and at what dBm signal level? (Choose two.)

A. At least 1 to 2 APs at a signal level of -67 dBm or better
B. No more than 3 APs at a signal level of -72 dBm or better
C. At least 5 to 6 APs at a signal level of -75 dBm or better
D. At least three and preferably four at a signal level of -75 dBm or better
E. As many APs as possible at a signal level of -72 dBm or better

Answer: CD

QUESTION 2
You have completed a WLAN site survey for a customer. Which two pieces of information will need to be included in the final customer report? (Choose two.)

A. Client association report
B. Client inventory
C. Printed cable scan certification results
D. Map location of all APs and controllers
E. WCS device inventory report of only the AP, WLC, and location server (MSE)

Answer: CD

QUESTION 3
Which three types of information should be included in the post-installation customer report? (Choose three.)

A. VLAN structure and naming convention
B. Throughput and dB loss for all fiber-optic backbone connections
C. Naming convention for APs and controllers
D. Reachability status for all WLAN clients and tags
E. The number of licenses consumed by clients and tags at installation
F. Any locations in the WLAN coverage that are secure and require special access
QUESTION 4
What two factors could cause a post-deployment audit to show a high retransmission rate for the WLAN? (Choose two.)

A. CRC errors
B. Rate shifting
C. CCX compatible clients
D. High SNR values
E. High RSSI values

Answer: AB

QUESTION 5
When performing a post-installation audit with a auditing tool such as Ekahau, which two steps are associated with the active portion of the audit? (Choose two.)

A. Check that all channels are supported by the APs regardless of client capabilities.
B. Check for co-channel interference by standing near an access point on one channel and watching for other access points that are on the same channel.
C. Verify that the network traffic of physical data rate and packet loss meets user requirements.
D. Verify smooth roaming.
E. Check to see if the signal level on other access points that are heard on the same channel is at least 19 dBm weaker than the access point that you are next to.

Answer: CD

QUESTION 6
When surveying and deploying a mesh network, considerations need to be made for the actual path selection process made by AWPP for any MAP to reach the final RAP. Which two factors are used by AWPP in path selection calculation? (Choose two.)
A. Beamwidth  
B. RSSI  
C. SNR  
D. Hop count  
E. Interface radio power setting  
F. Interface bandwidth  
G. Interface load

Answer: CD

QUESTION 7
Which two options describes the vertical RF coverage pattern of an antenna? (Choose two.)

A. View from the side  
B. View from above  
C. Azimuth  
D. H-plane  
E. E-plane

Answer: AE

QUESTION 8
You have completed a WLAN site survey for a customer. Which two pieces of information will need to be included in the final customer report? (Choose two.)

A. Location and placement of application servers  
B. The number of active users that are planned to use the system in a specific area  
C. The number of APs dedicated to location services  
D. The results from customer end user interviews  
E. Analysis of WLAN signals on the networks of neighboring companies

Answer: BC
QUESTION 9
Which three basic pieces of information will you need to perform a WLAN site survey? (Choose three.)

A. How many customer user interviews will be required?
B. Which network hardware vendor do they currently use for their infrastructure?
C. What is the location of the facility that needs to be surveyed?
D. What financial information will my company need to provide to the customer?
E. How many engineers will be required to perform the work?
F. What is the expected timeline to complete the project?

Answer: CEF

QUESTION 10
Which infrastructure issue needs to be verified and potentially resolved before deploying a centralized 802.11n WLAN?

A. That all the access layer switches that the 802.11n APs will connect to support 802.3af power.
B. That all the access layer switches that the 802.11n APs will connect to contain 10/100/1000 Ethernet ports.
C. The location of application and authentication servers.
D. The proposed location for the WDS server.
E. The proposed location for the WCS.

Answer: B

QUESTION 11
You have a client that would like to upgrade their 2.4-GHz point-to-point wireless bridge link between buildings in their facility in Mexico. Currently, they have radios from vendor A that are transmitting at 14 dBm with 6 dBm antennas. They would like to upgrade the radios to vendor B but keep the existing antennas. The new radios from vendor B have a fixed transmit power of 7 dBm. How should you proceed?

A. Install the new radios with existing vendor A antennas.
B. Install new radios with replacement vendor A antennas rated at 13 dBm.
C. Install new radios with replacement vendor A antennas rated at 30 dBm.
D. Install the new radios with new vendor B antennas rated at 29 dBm.
E. Install the new radios with new vendor B antennas rated at 13 dBm.

Answer: E

QUESTION 12
What are two reasons that it is always preferable to obtain a digital copy of the "as built" drawings for a site you need to perform a WLAN site survey on? (Choose two.)

A. A digital copy of the "as built" drawings is always more accurate than design drawings because it includes the placement of office furniture.
B. A digital copy of the "as built" drawings includes all the changes made during construction that are not included in the design drawings.
C. A digital copy of the "as built" drawings includes a full set of preliminary mechanical drawings so sources of interference, diffusion, and absorption can be easily identified.
D. A digital copy of the "as built" drawings allows you to more accurately estimate physical AP placement in the customer environment.
E. A digital copy of the "as built" drawings assists in the placement of WLAN equipment so the WLAN signal minimizes wired network delay.

Answer: BD

QUESTION 13
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.
QUESTION 14
When using WCS 7.0 to calibrate a floor, is it more important to collect 50 or more distinct locations or to collect 150+ measurements?

A. 150+ measurements are more important than the locations because the information gathered is more granular.
B. Collecting 50 or more distinct locations is more important because this provides a wider coverage across the floor being calibrated.
C. Depending on the size of the floor 50+ distinct locations and 150+ measurements may provide divergent information that requires more data collection.
D. When calibrating a floor 50 or more distinct locations will yield 150+ measurements because multiple measurements are collected at each distinct location.

Answer: D

QUESTION 15
Which two of the following are considered best practices upon the completion of a wireless installation? (Choose two.)

A. Consult with the customer to ensure that the IT staff has a complete set of design and installation documents.
B. Test all the customer’s wireless devices and applications to ensure they are working properly.
C. Make sure the customer is aware that they should consider purchasing a support contract immediately after the installation is complete.
D. Spend time with the customer showing them the controller GUI as well as inform them how they can reach the Cisco TAC if they have any problems.

Answer: AB

QUESTION 16
Which two options indicate the RF channels regulated by 802.1h for outdoor deployment
regarding FCC? (Choose two.)

A. 36, 40, 44, 48
B. 52, 56, 60, 64
C. 100, 104, 108, 112
D. 149, 153, 157, 161
E. 165

Answer: BC

QUESTION 17
Which item is more of an issue to outdoor wireless mesh deployment than indoor?

A. Reflection
B. Scattering
C. Absorption
D. Delay spread

Answer: D

QUESTION 18
Which two basic factors have the most influence on the size of the Fresnel zone of an outdoor RF point-to-point link? (Choose two.)

A. beamwidth
B. frequency
C. distance
D. horizontally polarized antenna
E. vertically polarized antenna

Answer: BC

QUESTION 19
What are the most appropriate channels for an 802.11a/n VoWLAN survey and deployment in the FCC domain?

A. 4 channels of UNII-1
B. 8 channels of UNII-1, and UNII-2
C. 8 channels of UNII-1, and UNII-3
D. 15 channels of UNII-2, and UNII-2 extended
E. 23 channels of UNII-1, UNII-2, UNII-2 extended, and UNII-3
F. 24 channels of UNII-1, UNII-2, UNII-2 extended, UNII-3, and ISM

Answer: C

QUESTION 20
Which two basic characteristics would be needed from antennas used for survey and deployment in various indoor situations? (Choose two.)

A. Horizontally polarized
B. Vertically polarized
C. Aesthetically fitting
D. Least cost
E. Highest gain
F. Largest beamwidth

Answer: BC