

642-731^{Q&As}

Conducting Cisco Unified Wireless Site Survey

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QUESTION 1

An engineer is installing a wireless network in an industrial area with extreme temperatures and a significant amount of dust. Which enclosure should be used to protect the APs?

- A. NEMA
- B. ACU
- C. WLSE
- D. ADU

Correct Answer: A

QUESTION 2

Refer to the exhibit.



After performing a Layer 1 survey using Cisco Spectrum Expert, what is the result indicated by the visual screen?

- A. Normal 802.11g activity
- B. Microwave oven interference
- C. Video camera interference

D. Bluetooth device interference

E. RF jammer

Correct Answer: B

QUESTION 3

An engineer has WLC redundancy included in WLAN design documentation, where the WLCs are loaded to half the license capacity therefore allowing half the WLCs to fail without an AP going offline at a given time. What redundancy model does this describe?

A. N+1

B. N+N

C. N+N+1

D. N+1+1

Correct Answer: B

QUESTION 4

A new client has contacted you to design a WLAN solution for a new 30-foot high-bay warehouse that will use high-lift electric forklifts. The warehouse is currently empty except for storage racks. The customer is planning to continue to use their existing wireless barcode scanners and also deploy wireless IP phones for communication. Which four issues do you need to consider prior to performing the site survey? (Choose four.)

A. Which protocol do the wireless barcode scanners and IP phones need to use?

B. What is the proximity to other warehouses?

C. Which types of goods will be stored in the warehouse and what is the expected average warehouse capacity?

D. Do any planned WLC locations exceed 100 meter cable distances?

E. Is there sufficient clearance between the roof and the top of the racks for placing APs?

F. What is the expected humidity level in the warehouse on average during the year?

G. Are there any secure enclosures that use chain-link fence that will require wireless access?

Correct Answer: ACEG

QUESTION 5

An engineer is conducting a site survey for use of Cisco 7925 wireless clients. Which two design criteria are necessary to ensure proper network design? (Choose two.)

A. 15 percent overlap

- B. 20 percent overlap
- C. 25 percent overlap
- D. -65 dBm RSSI or better
- E. -67 dBm RSSI or better
- F. -72 dBm RSSI or better

Correct Answer: BE

QUESTION 6

You are working with a client that owns a six-story building in Charlotte, N.C. They occupy the bottom three floors, and currently have a wired LAN. They have contacted you to perform a WLAN site survey of their facility. Which three issues do you need to take into consideration before performing the site survey? (Choose three.)

- A. How many other organizations occupy the building?
- B. Does the customer facility have a multistory atrium or lobby?
- C. Protocol type required, client types in place, and client density?
- D. Is WLAN coverage required in the elevators?
- E. How many equipment closets do they have per floor and does the infrastructure all run back to a central location?
- F. How much signal bleedthrough is permissible between floors?
- G. How much WLAN experience does the customer IT staff have?

Correct Answer: BCD

QUESTION 7

What is the basic difference in the manner in which a client location is determined on a map when using Cisco WCS Location v7.0 versus Cisco WCS Base?

- A. Cisco WCS Base uses SNR from two or more APs, and Cisco WCS Location uses the SNR from the closest AP.
- B. Cisco WCS Base uses highest SNR signal from a single AP, and Cisco WCS Location uses highest SNR signal from two or more APs.
- C. Cisco WCS Base uses RSSI from a single AP, and Cisco WCS Location compares the RSSI signal strength from two or more APs.
- D. Cisco WCS Base uses RSSI from two or more APs, and Cisco WCS Location uses RSSI from the closest AP.

Correct Answer: C

QUESTION 8

What is the biggest challenge a customer faces when they are presented with the post- installation report?

- A. Validating the information is correct.
- B. Interpreting the configuration parameters and settings for the WLAN devices.
- C. Maintaining the report so that once the first change to the WLAN is made the documentation remains current.
- D. Maintaining the security of the report so that only IT personnel have access to the information contained in the report.

Correct Answer: C

QUESTION 9

A site survey proposes placement of new APs to replace older APs. Which three options are three potential placements of the new APs? (Choose three.)

- A. Use the old placements where they are near the proposed location.
- B. Add APs from the site survey that have no APs in older installation.
- C. Mount new APs on the exact location according to site survey report.
- D. Use network cables and mounting brackets from the older installation.
- E. Deploy APs every 4000 square feet.
- F. Deploy APs every 3000 square feet.

Correct Answer: ABC

QUESTION 10

The customer requires connectivity between two buildings that are 100 meters apart. Which type of antenna is suitable for this installation?

- A. sector antenna
- B. dipole antenna
- C. parabolic antenna
- D. patch antenna

Correct Answer: C

QUESTION 11

After you have run the VoWLAN Voice Readiness Tool in WCS 7.0, you see there are potential problem areas in your facility. Which two actions will help you troubleshoot these coverage areas? (Choose two.)

- A. Verify the green, yellow, and red regions in the RF environment only if the floor has not been calibrated.
- B. To prevent one-way audio, set the AP power levels to half the power of the client. This will ensure proper radio coverage.
- C. You need to edit the RSSI values for Cisco IP Phones so the 802.11b/g/n radios display the region map properly.
- D. Determine if the coverage area will have enough APs to support the VoWLAN client, since all APs must have a Tx power level that does not exceed that of the client.
- E. Set the AP power level to match the VoWLAN client to avoid one-way audio.

Correct Answer: DE

QUESTION 12

You have been contacted by a medium-sized hospitality company that has 50 hotels. They would like to upgrade their existing WLAN in each hotel to 802.11n. While performing the site surveys for each hotel, what are the issues that you need to take into consideration when determining the locations for each AP?

- A. Selecting AP locations where power is already available
- B. Selecting APs that can be hidden in ceiling panels to provide a secure and clean aesthetic look
- C. Selecting locations that are easily accessed so maintenance and upgrades can be performed quickly
- D. Selecting locations that make visual assessment of the AP operation easy

Correct Answer: B

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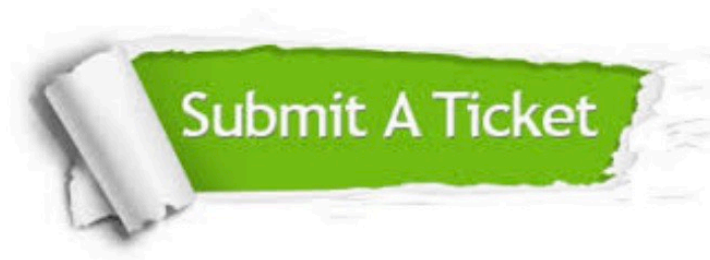
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