

QUESTIONS & ANSWERS

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CWNP

CWNA-106

Certified Wireless Network Administrator

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QUESTION: 112

When performing a site survey for a Multiple Channel Architecture (MCA) system in a multi-tenant building with five floors, what aspect should you, as the site surveyor, keep in mind?

- A. The RF interference caused by passing airplanes supporting on-board Wi-Fi should be a prime consideration.
- B. The omni-directional antennas of the access points should be oriented parallel to the floor to maximize the coverage pattern across as many floors as possible.
- C. The channel reuse pattern should be three dimensional with the RF cell extending coverage of each access point to other floors.
- D. The Fresnel Zone is completely blocked between floors so each floor is considered a separate site survey.

Answer: C

QUESTION: 113

You were previously onsite at XYZ's facility to conduct a pre-deployment RF site survey. The WLAN has been deployed according to your recommendations and you are onsite again to perform a post-deployment validation survey. When performing this type of post-deployment RF site survey for VoWiFi, what are two steps that must be performed? (Choose 2)

- A. Coverage analysis to verify appropriate coverage and roaming boundaries
- B. Spectrum analysis to locate and identify RF interference sources
- C. Frequency-band hopping analysis to detect improper RF channel implementations
- D. Protocol analysis to discover channel use on neighboring APs
- E. Application analysis with an active phone call on a VoWiFi handset

Answer: A, E

QUESTION: 114

A company has hired you to perform a pre-deployment site survey of their facility. During an interview, the network manager informs you that the new wireless network must use 5 GHz bands and OFDM, and VoWiFi handsets will be used extensively over the wireless network. What items do you need to include in the RF site survey report? (Choose 2)

- A. A heat map demonstrating signal quality in areas where VoWiFi is supported.
- B. Codec types and sampling rates for each VoWiFi phone
- C. Security parameters and configuration steps for VoWiFi handsets.
- D. Test results from an active survey with a VoWiFi handset
- E. Results of OFDM versus ERP performance in each BSA

Answer: A, D

QUESTION: 115

You are onsite with a client to perform a post-deployment site survey. When verifying a multiple channel VoWiFi deployment using a VoWiFi handset, which aspect is most important?

- A. Performing protocol analysis with a single wireless adapter that is scanning all channels in use
- B. Testing a constant conversation or handset tone while roaming from area to area, or performing an active survey
- C. Configuring DSCP-to-802.11e QoS maps on the handset for each access category.
- D. Verifying the VHT functionality to handle the call volume incurred by a single VoIP phone call.

Answer: B

QUESTION: 116

You are being interviewed by ABC Company for employment as a wireless site survey expert. The interviewing manager asks you what items should be included in a site survey report generated as part of a manual site survey process. What answer would be accurate? (Choose 2)

- A. Itemized list of equipment, licenses, and support contracts required for the facility
- B. RF heat map illustrating coverage and signal quality for each frequency band
- C. Documentation proving proper entry of wall material types into the site survey software
- D. Documentation noting where each access point will be placed and how it will be mounted
- E. Documentation noting how each WLAN user group will authenticate to the network

Answer: B, D

QUESTION: 117

In addition to coverage analysis results, what should be included in a site survey report to ensure WLAN users experience acceptable performance?

- A. Application Layer protocol availability analysis results
- B. Layer 4 protocol availability analysis results
- C. Capacity analysis results
- D. WAN interface analysis results

Answer: C

QUESTION: 118

What advantages does using predictive site survey modeling software offer over performing a manual site survey? (Choose 2)

- A. Predictive modeling software can predict the ideal access point location 100% of the time, whereas the results from manual surveying are less reliable.
- B. Predictive modeling software makes it simple to assess multiple different AP locations and then adjust and display the AP's expected coverage pattern in almost real-time.
- C. Predictive modeling software provides more reliable data than manual surveys when fine-tuning and validating access point placement after the installation.
- D. The exact impact of interference sources from external networks can be more accurately measured when using predictive modeling software than with manual surveys.
- E. It takes less time to create an initial site survey for a large facility when using predictive modeling software than when performing a manual survey.

Answer: B, E

QUESTION: 119

Your consulting firm has recently been hired to complete a site survey for a company. Your engineers use predictive modeling software for surveying, but the company insists on a pre-deployment site visit. What tasks should be performed as part of the pre-deployment visit to prepare for a predictive survey? (Choose 2)

- A. With a spectrum analyzer, identify the type, amplitude, and location of RF interference sources, if any are present.
- B. Evaluate the building materials at ABC's facility and confirm that the floor plan documents are consistent with the actual building.
- C. Test several antenna types connected to the intended APs for use in the eventual deployment.
- D. Collect information about the company's security requirements and the current configuration of their RADIUS and user database servers.
- E. Install at least one AP on each side of the exterior walls to test for co-channel interference through these walls.

Answer: A, B

QUESTION: 120

What item is essential for performing a manual RF site survey for a warehouse facility?

- A. A facility map with an explanation of applications used in each area
- B. I-Beam mounting kits for hanging temporary access points
- C. Low-gain omni antennas for APs mounted high on warehouse ceilings
- D. Predictive site survey software that supports highly directional antennas
- E. NEMA enclosures that protect APs used for the survey

Answer: A

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