

## 300-425<sup>Q&As</sup>

Designing Cisco Enterprise Wireless Networks (ENWLSD)

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**QUESTION 1**

A customer has a Cisco wireless network that supports VoWLAN services. The customer wants supported voice clients to receive roaming recommendations and suggestions from APs. This functionality must not impact non-VoWLAN clients. What should be enabled on the VoWLAN SSID?

- A. 802.11r Fast Transition
- B. 802.11k neighbor lists
- C. CCKM with 802.1X
- D. 802.11v BSS Transition Management

Correct Answer: D

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**QUESTION 2**

A customer has determined that aesthetics is a primary concern for their upcoming guest deployment. Which design consideration can be leveraged to address this concern?

- A. Paint the access point to cover the LED from being noticeable.
- B. Use enclosures to hide the wireless infrastructure in the surrounding environment.
- C. Use AIR-AP-BRACKET-1 to allow for greater mounting locations
- D. Deploy environmentally friendly cabling components to blend into the environment.

Correct Answer: B

Reference:

- Use cables that are resistive to bend loss if excessive bending of cables cannot be prevented due to installation constraints.
  - Avoid mounting the cabling components in places that block accessibility to other equipment (such as a power strip or fans) in and out of the racks.
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**QUESTION 3**

An engineer is implementing a wireless design for a service provider. The design includes a Catalyst 9800, a stack of two Catalyst 9300X-48HX switches, and 9166 APs. Each AP must be named using the Floor-439412509-01X sting where X is the area number. The engineer wants to connect the APs to the switch stack using POE. How many APs must the engineer connect to the stack so the APs run using full functionalities?

- A. all ports on switch 2 of the stack
- B. all ports on switch 1 of the stack

- C. all ports of the switches
- D. half ports per switch

Correct Answer: C

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#### QUESTION 4

A network engineer is working on a predictive WLAN design, the new wireless network must support access to Internet, email, voice, and the inventory database, to successfully support these services, which configuration must the engineer use for the signal strength levels and SNR on the planning tool?

- A. signal strength of -67 dBm, 25-dB SNR, and maximum 1 percent packet loss.
- B. signal strength of -67 dBm, 20-dB SNR, and maximum 5 percent, packet loss.
- C. signal strength of 67 dBm, 20-dB SNR, and maximum 1 percent packet loss.
- D. signal strength of -70 dBm, 30-dB SNR, and maximum 10 percent packet loss.

Correct Answer: A

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

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#### QUESTION 5

A Cisco controller-based wireless network must support workgroup bridges. The APs configured as workgroup bridges must support wired and wireless clients. The wireless clients must connect to the spare radio. What is the maximum number of wired client connections supported on a workgroup bridge?

- A. 20
- B. 25
- C. 30
- D. 35

Correct Answer: A

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