



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

Designing Cisco Enterprise Wireless Networks (ENWLSD)

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### QUESTION 1

A customer has multiple WLCs running N+1 redundancy with APs equally distributed. Only one WLC is a designated backup for all other WLCs so the customer must ensure that the most critical APs remain registered or get priority over other APs in case of a WLC failure. However, the customer notices on WLC failure that some critical APs remain unregistered. What needs to be addressed in the design?

- A. AP fallback is not enabled on the backup WLC.
- B. AP failover priority is not enabled globally on the backup WLC.
- C. AP failover priority is not enabled globally on the failed WLC.
- D. AP fallback is not enabled on the failed WLC.

Correct Answer: B

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### QUESTION 2

A network engineer is working on a design for a wireless network that must support data, voice, and location services. To support these services, which access point placement must the engineer use?

- A. corner only
- B. perimeter and corner
- C. perimeter only
- D. indoor and outdoor

Correct Answer: B

Reference:

In a location-ready design, it is important to ensure that access points are not solely clustered in the interior and toward the center of floors. Rather, perimeter access points should complement access points located within floor interior areas. In addition, access points should be placed in each of the four corners of the floor, and at any other corners that are encountered along the floor perimeter. These perimeter access points play a vital role in ensuring good location fidelity within the areas they encircle, and in some cases may participate in the provisioning of general voice or data coverage as well.

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### QUESTION 3

A wireless network consultant must assess an existing wireless LAN controller. Which section must the consultant check before replacing the old APs with APs that are IEEE 802.11ac-capable?

- A. number of AP licenses
- B. controller PSU
- C. throughput capacity



D. software version

Correct Answer: D

Reference: <https://www.cisco.com/c/en/us/products/collateral/wireless/catalyst-9100ax-access-points/nb-06-802-11ax-faq-cte-en.html>

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#### QUESTION 4

A customer has two Cisco WLCs configured in a SSO cluster. The wireless network supports a large warehouse. The customer purchases new iPads to replace legacy scanners. Both devices connect to a single SSID named Scanning by using WPA2 Personal. The customer wants to use a standards-based method for fast roaming on the new iPads. Which approach meets the scanner requirement and still supports the legacy scanners?

- A. Enable FT PSK and set Fast Transition to Adaptive for the Scanning SSID.
- B. Enable FT 802.1X and set Fast Transition to Adaptive for the Scanning SSID.
- C. Enable optimized roaming globally and enable FT 802.1X on the Scanning SSID.
- D. Enable optimized roaming globally and enable FT PSK on the Scanning SSID.

Correct Answer: A

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#### QUESTION 5

An engineer is designing an outdoor mesh network to cover several sports fields. The core of the network is located in a building at the entrance of a sports complex. Which type of antenna should be used with the RAP for backhaul connectivity?

- A. 5 GHz. 8-dBi omnidirectional antenna
- B. 2.4 GHz. 8-dBi patch antenna
- C. 2.4 GHz. 14-dBi omnidirectional antenna
- D. 5 GHz. 14-DBi patch antenna

Correct Answer: D

Reference: [https://www.cisco.com/c/en/us/products/collateral/wireless/aironet-antennas-accessories/product\\_data\\_sheet09186a008008883b.html](https://www.cisco.com/c/en/us/products/collateral/wireless/aironet-antennas-accessories/product_data_sheet09186a008008883b.html)