



300-425^{Q&As}

Designing Cisco Enterprise Wireless Networks (ENWLSD)

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**QUESTION 1**

Multiple WLCs are implemented in a high-availability configuration in a mobility group. APs are deployed with only a primary controller assigned. By default, which mobility group member controller do the orphaned APs join in the event of a failed controller?

- A. controller with the most available AP free license capacity
- B. controller with the lowest percent of associated APs per license capacity
- C. controller with the least CPU utilization over the last reporting period
- D. controller with the least number of associated APs

Correct Answer: A

Reference: <https://mrnciew.com/2013/04/07/ap-failover/>

QUESTION 2

An AP is receiving 802.11 packets on its 802.11a radio with an RSSI value of -77 dBm. The current AP is part of an AP group that has been assigned an RF profile with RX-SOP set to Medium for 802.11a. Which action does the AP take with the packets?

- A. All frames are classified as non-Wi-Fi frames and are not decoded by the 5 GHz radio.
- B. Frames are decoded by the 2.4 GHz radio.
- C. All frames are classified as non-Wi-Fi frames and are not decoded by the 2.4 GHz radio.
- D. Frames are decoded by the 5 GHz radio.

Correct Answer: D

QUESTION 3

A wireless engineer is utilizing the voice readiness tool in Cisco Prime for a customer that wants to deploy Cisco IP phones. Which dBm range is the network inspected against?

- A. -78 to-65 dBm
- B. -72 to-67 dBm
- C. -85 to-65 dBm
- D. -85 to-67 dBm

Correct Answer: D



Reference:

Default voice minimum RSSI is -75 dBm. but cisco recommend to get RSSI better than -67 dBm.

https://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/34/user/guide/bk_CiscoPrimeInfrastructure_3_4_0_UserGuide/bk_CiscoPrimeInfrastructure_3_4_0_UserGuide_chapter_01010.html minimum is-90 and maximum is-67 for IP phone

QUESTION 4

An engineer is performing an AP-on-a-stick survey and finds that the 5 GHz channel overlap is too high when an appropriate number of APs are used for the density requirements. Which two actions during the survey reduce channel overlap? (Choose two.)

- A. Raise the minimum data rate to 24 Mbps.
- B. Increase AP transmit power to improve the SNR.
- C. Allow the use of UNII-2e channels.
- D. Use directional antennas to limit the coverage area of some APs.
- E. Enable power saving mode.

Correct Answer: DE

QUESTION 5

An engineer must perform an assessment of a customer LAN for a future IEEE 802.11ac Wave 2 wireless deployment. All access switches are Fast Ethernet-Capable only, and the wired infrastructure between existing APs and access switches is based on the CAT 6A standard. Which two actions provide maximum support of Cisco 3800 Series access points? (Choose two.)

- A. Replace the existing switches with mGig switches.
- B. Replace the existing switches with gigabit switches with 10G uplinks.
- C. Ensure that cable distances between access switches and APs are not longer than 100 meters.
- D. Replace the existing wiring infrastructure with the CAT-7E wiring standard.
- E. Ensure that cable distances between access switches and APs are not longer than 55 meters.

Correct Answer: AC
