



**Cisco**

## **Exam Questions 300-425**

Designing Cisco Enterprise Wireless Networks (ENWLSD)

#### NEW QUESTION 1

An engineer is designing a wireless deployment for a university auditorium. Which two features can be used to help deal with the issues introduced by high AP count? (Choose two.)

- A. TSPEC
- B. RXSOP
- C. TPC
- D. LSS
- E. DFS

**Answer:** CE

#### NEW QUESTION 2

A network administrator of a global organization is collapsing all controllers to a single cluster located in central Europe. Which concern must be addressed?

- A. Some channels may not be available consistently across the organization.
- B. Different RF policies per office are not available in this configuration.
- C. Syslog must be configured to the time-zone of the NMS platform.
- D. Centralized controllers cannot uniformly authenticate global users.

**Answer:** C

#### NEW QUESTION 3

An engineer must ensure that the new wireless LAN deployment can support seamless roaming between access points using a standard based on an amendment to the 802.11 protocol. Which protocol must the engineer select?

- A. 802.11i
- B. 802.11ac
- C. 802.11r
- D. 802.11e

**Answer:** C

#### NEW QUESTION 4

A high-density wireless network is designed. Which Cisco WLC configuration setting must be incorporated in the design to encourage clients to use the 5 GHz spectrum?

- A. Band Select
- B. RRM
- C. Cisco Centralized Key Management
- D. load balancing

**Answer:** A

#### NEW QUESTION 5

Which two considerations must a network engineer have when planning for voice over wireless roaming? (Choose two.)

- A. Full reauthentication introduces gaps in a voice conversation.
- B. Roaming time increases when using 802.1x + Cisco Centralized Key Management.
- C. Roaming occurs when the phone has seen at least four APs.
- D. Roaming occurs when the phone has reached -80 dBm or below.
- E. Roaming with only 802.1x authentication requires full reauthentication.

**Answer:** AE

#### NEW QUESTION 6

An engineer has performed a predictive site survey for high-speed data and voice in an indoor office. What is the recommended data rate with -67 dBm signal level for optimal VoWLAN design?

- A. 6 Mbps on 802.11 bgn
- B. 24 Mbps on 802.11 bgn
- C. 12 Mbps on 802.11 an
- D. 24 Mbps on 802.11 an

**Answer:** B

#### NEW QUESTION 7

Which statement about creating a mobility group is true, excluding mobility anchors?

- A. Each WLC must use the same mobility name and be defined as a peer in each other's static mobility members list.
- B. If WLCs with HA SSO are deployed, each WLC in the WLC HA pair is considered separately as a mobility peer.
- C. The WLCs do not have to be of the same model or type to be a member of a mobility group, however each member should be running different software versions.
- D. A mobility group does not require all WLCs in the group to use the same virtual IP address.

**Answer: B**

**NEW QUESTION 8**

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

**Answer: A**

**NEW QUESTION 9**

Clustering Cisco WLCs into a single RF group enables the RRM algorithms to scale beyond the capabilities of a single Cisco WLC. How many WLC and APs in an RF group can the controller software scale up to in WLC release 8.9 depending on the platform?

- A. up to 20 WLCs and 1000 APs
- B. up to 20 WLCs and 3000 APs
- C. up to 20 WLCs and 4000 APs
- D. up to 20 WLCs and 6000 APs

**Answer: D**

**NEW QUESTION 10**

An engineer must speed up the reauthentication delays that are being experienced on the wireless infrastructure by deploying a key-caching mechanism. Which mechanism must be configured?

- A. PEAP
- B. FT
- C. PMF
- D. GTK-randomization

**Answer: B**

**NEW QUESTION 10**

An engineer has successfully configured high availability and SSO using two Cisco 5508 Wireless LAN Controllers. The engineer can access the Active Primary WLC, but the Secondary Standby WLC is not accessible. Which two methods allow access to the standby unit? (Choose two.)

- A. via the console connection
- B. SSH to the redundancy management interface of the primary WLC
- C. SSH to the service port interface
- D. SSH to the virtual interface of the secondary WLC
- E. SSH to the management interface of the primary WLC

**Answer: AC**

**NEW QUESTION 12**

What is the recommended cell overlap when designing a wireless network for Cisco Hyperlocation?

- A. 20%
- B. 30%
- C. 40%
- D. 50%

**Answer: A**

**NEW QUESTION 17**

An engineer must create data-link redundancy for the company's Cisco Wireless LAN Controller. The engineer has decided to configure LAG-based redundancy instead of port-based redundancy. Which three features of LAG-based redundancy influenced this decision? (Choose three.)

- A. Packets are always sent out on the same port they are received on.
- B. All interface traffic passes as long as one port is up.
- C. The same port has multiple untagged dynamics interfaces.
- D. Interface connection to two separate nonstacked switches is available.
- E. Full bandwidth of all links is available.
- F. Ports are grouped into multiple LAGs.

**Answer: ABF**

**NEW QUESTION 18**

A wireless engineer is designing a wireless network for a warehouse using access points with internal antennas. Which two elements have a negative effect on the wireless users? (Choose two.)

- A. wireless channels

- B. access point height
- C. client authentication
- D. client authorization
- E. absorption

**Answer:** BE

#### NEW QUESTION 23

Refer to the exhibit. Which two statements about Cisco Prime Infrastructure are true? (Choose two.)

- A. It presents the recommended number of APs for the selected coverage area based on the selections made.
- B. Planning mode requires a special license in Cisco Prime Infrastructure.
- C. It shows the map editor feature in Cisco Prime Infrastructure.
- D. Controllers must be synchronized with Cisco Prime Infrastructure for planning mode to work.
- E. It shows the planning mode feature in Cisco Prime Infrastructure.

**Answer:** DE

#### NEW QUESTION 28

A wireless engineer is performing a post verification of a wireless network. Which two metrics does the engineer verify to ensure that the wireless network can support voice services? (Choose two.)

- A. The coverage area must have a noise floor that does not exceed -87 dBm.
- B. The client device must have at least an -67 dBm RSSI.
- C. The rate of retransmitted packets must be 15 percent or below.
- D. The rate of retransmitted packets must be 20 percent or below.
- E. The client device must have at least an -65 dBm RSSI.

**Answer:** BC

#### NEW QUESTION 30

Which three pieces of equipment are needed to conduct a fully measured wireless survey? (Choose three.)

- A. PoE battery
- B. spirit level
- C. access point
- D. tall tripod
- E. goggles
- F. ladder

**Answer:** ACD

#### NEW QUESTION 31

Which CLI command does an engineer use to validate that the redundancy peer of a Stateful Switchover pair of controllers is up and connected?

- A. rping
- B. ping
- C. eping
- D. mping

**Answer:** B

#### NEW QUESTION 33

A network engineer is configuring high availability on an access point. What is the maximum number of controllers that can be configured?

- A. 1
- B. 2
- C. 3
- D. 4

**Answer:** B

#### NEW QUESTION 36

When conducting a site survey for real-time traffic over wireless, which two design capabilities of smartphones and tablets must be considered? (Choose two.)

- A. no support for 802.11ac
- B. higher data rates than laptops

- C. fewer antennas than laptops
- D. no support for 802.11r
- E. lower data rates than laptops

**Answer:** BC

**NEW QUESTION 39**

An engineer has deployed a group of APs in an auditorium and notices that the APs are showing high co-channel interference. Which profile can be used to adjust the parameters for these high-density APs?

- A. QoS profile
- B. AVC profile
- C. RF profile
- D. ISE profile

**Answer:** A

**NEW QUESTION 42**

A wireless deployment in a high-density environment is being used by vendors to process credit card payment transactions via handheld mobile scanners. The scanners are having problems roaming between access points in the environment. Which feature on the wireless controller should have been incorporated in the design?

- A. RX SOP
- B. 802.11w
- C. AP Heartbeat Timeout
- D. Application Visibility Control

**Answer:** A

**NEW QUESTION 45**

A customer has two Cisco 550B WLCs that manage all the access points in their network and provide N+1 redundancy and load balancing. The primary Cisco WLC has 60 licenses and the secondary Cisco WLC has 40. The customer wants to convert the N+1 model to an HA model and provide SSO. Configuration must be performed during a maintenance window. After performing all the configurations on both controllers, the config redundancy unit secondary command is issued on the secondary Cisco WLC and it fails. Which parameter needs to be in place to complete the configuration?

- A. A cable in the RP port
- B. The secondary Cisco WLC needs a minimum of 50 base licenses
- C. The primary Cisco WLC is already set as the secondary unit.
- D. SSO needs to be enabled

**Answer:** B

**NEW QUESTION 48**

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