



300-370^{Q&As}

Troubleshooting Cisco Wireless Enterprise Networks

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QUESTION 1

Which three components are needed to identify the zone of impact for non-802.11 sources of 2.4 GHz and 5.0 GHz interference? (Choose three.)

- A. WLC
- B. MSE
- C. RF site survey tool
- D. Wi-Fi analyzer
- E. CleanAir AP
- F. spectrum analyzer

Correct Answer: CEF

QUESTION 2

Some users are experiencing inconsistent performance on their mobile devices as they move throughout the building when browsing the Internet. Which feature provides a more consistent user experience?

- A. low RSSI check
- B. 802.11r
- C. RX-SOP
- D. optimized roaming

Correct Answer: A

QUESTION 3

Refer to the exhibit.



iOS 8

• 802.1X

Available for: iPhone 4s and later, iPod touch (5th generation) and later, iPad 2 and later

Impact: An attacker can obtain WiFi credentials

Description: An attacker could have impersonated a WiFi access point, offered to authenticate with LEAP, broken the MS-CHAPv1 hash, and used the derived credentials to authenticate to the intended access point even if that access point supported stronger authentication methods. This issue was addressed by disabling LEAP by default.

CVE-ID

CVE-2014-4364 : Pieter Robyns, Bram Bonne, Peter Quax, and Wim Lamotte of Universiteit Hasselt

Employees upgraded company issued iOS devices, which are configured to authenticate to the network using WPA2-Enterprise 802.1x with LEAP. As a result, the devices are no longer able to authenticate. Which action must the engineer do to resolve the issue?

- A. Redeploy the existing configuration profile.
- B. Change LEAP certificate on the ACS server.
- C. Reset network settings on the devices.
- D. Rejoin the enterprise network manually.
- E. Deploy a new configuration profile with LEAP enabled.

Correct Answer: B

QUESTION 4

An engineer is troubleshooting a DHCP configuration that is being used to discover two WLCs with the IP addresses of 192.168.10.10 and 192.168.10.11. Which string is used for configuration?

- A. option 80 hex f108.c0a8.0a0a.c0a8.0a0b
- B. option 60 ip 192.168.10.10 192.168.10.11
- C. option 43 ip f108.c0a8.0a0a.c0a8.0a0b
- D. option 43 hex f108.c0a8.0a0a.c0a0b

Correct Answer: D



QUESTION 5

When designing your wireless network for iOS devices, which two limits of packet loss and jitter ensure stable, quality communication? (Choose two.)

- A. Jitter should be kept to less than 500 ms.
- B. Packet loss should remain under 1 percent.
- C. Packet loss should remain under 5 percent.
- D. Packet loss should remain under 2 percent.
- E. Jitter should be kept to less than 100 ms.

Correct Answer: BE

Reference: https://www.cisco.com/c/en/us/td/docs/wireless/technology/vowlan/troubleshooting/vowlan_troubleshoot/8_Site_Survey_RF_Design_Valid.pdf

QUESTION 6

In a high-density deployment on a customer site with ID 339696181, how do you mitigate the cell size in a large coverage area?

- A. Disable ClientLink on the WLC.
- B. Set a high supported data rate.
- C. Increase the power of the AP.
- D. Set a high mandatory

Correct Answer: C

QUESTION 7



802.11b/g Global Parameters

General		Data Rates**	
802.11b/g Network Status	<input checked="" type="checkbox"/> Enabled	1 Mbps	Mandatory ▾
802.11g Support	<input checked="" type="checkbox"/> Enabled	2 Mbps	Supported ▾
Beacon Period (milliseconds)	100	5.5 Mbps	Supported ▾
Short Preamble	<input checked="" type="checkbox"/> Enabled	6 Mbps	Supported ▾
Fragmentation Threshold (bytes)	2346	9 Mbps	Supported ▾
DTPC Support	<input checked="" type="checkbox"/> Enabled	11 Mbps	Supported ▾
Maximum Allowed Clients	200	12 Mbps	Supported ▾
RSSI Low Check	<input checked="" type="checkbox"/> Enabled	18 Mbps	Supported ▾
RSSI Threshold (-60 to -90 dBm)		24 Mbps	Supported ▾
CCX Location Measurement		36 Mbps	Supported ▾
Mode	<input checked="" type="checkbox"/> Enabled	48 Mbps	Supported ▾
Interval (seconds)	60	54 Mbps	Supported ▾

Refer to the exhibit.

A new wireless deployment with high AP density is experiencing high latency and connectivity issues on the 2.4 GHz band, despite an initial site survey done by a certified partner. Which option is the most impactful change a wireless consultant recommends?

- A. Increase the fragmentation threshold to allow larger packets over the air.
- B. Reduce the beacon period because it reduces the RF interference.
- C. Disable lower data rates such as 1 Mbps and 2 Mbps.
- D. Disable the short preamble.
- E. Disable 802.11g support to reduce interference.

Correct Answer: C

QUESTION 8

Wireless users encounter choppy VoVLAN on one floor of a building. Which troubleshooting approach will determine the cause of the issue in the least amount of time?

- A. move the problem
- B. top down
- C. shoot from the hip
- D. bottom up

Correct Answer: A

**QUESTION 9**

Refer to the exhibit.

	General	Credentials	Interfaces	High Availability	Inventory	Advanced
	Name		Management IP Address (Ipv4/Ipv6)			
Primary Controller	WLC-Primary		192.168.1.11			
Secondary Controller	WLC-Secondary		10.42.98.11			
Tertiary Controller						
AP Failover Priority	Low					

An engineer has determined that during a recent controller failure, some access points did not fail over to their secondary controller, which has sufficient licenses for all APs. The controllers are not in a mobility group, but have A records for their hostnames in DNS.

Using these high availability settings, which option is the most likely cause of this issue?

- A. The AP failover priority was not set high enough.
- B. The controllers must be in the same mobility group.
- C. DNS hostnames are required to be FQDN.
- D. The secondary controller IP address is incorrect.

Correct Answer: A

QUESTION 10

Which two EAP types are tunneled? (Choose two.)

- A. EAP-MD5
- B. EAP-MSCHAPv2
- C. PAP
- D. EAP-FAST
- E. EAP-MD6

Correct Answer: BD

**QUESTION 11**

Clients are maintaining association to access points that they were previously connected to rather than roaming to adjacent access points with higher received signal strength.

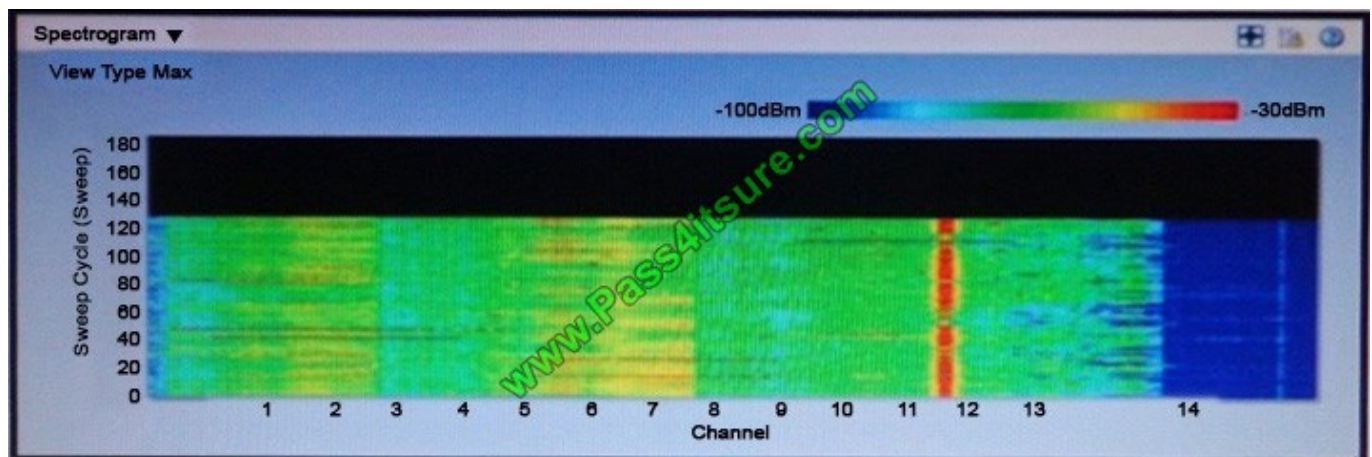
Which two actions can be taken to fix this issue? (Choose two.)

- A. Set DCA channel sensitivity to low.
- B. Utilize Rx-SOP.
- C. Increase access point power.
- D. Enable optimized roaming.
- E. Add access points to the area.

Correct Answer: AD

QUESTION 12

Refer to the exhibit.



An engineer is troubleshooting non-802.11 interference and observes this output. Which type of interference signatures can the engineer identify?

- A. microwave
- B. DECT phone
- C. Bluetooth
- D. jammer

Correct Answer: A



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