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Cisco Exam Questions 300-370
WITSHOOT Troubleshooting Cisco Wireless Enterprise Network
NEW QUESTION 1
An engineer is using various techniques to discover and isolate rogues on the network. For which technique must the engineer consider legal ramifications?

A. rogue AP containment  
B. RF detection  
C. switch port tracing  
D. wire detection  
E. Cisco Prime Infrastructure location services

Answer: A

NEW QUESTION 2

Scenario
The big Engineering IT team has been in the lab to test some new features that the existing network does not support. The AP Groups, AP Failover, and Local Web Auth features are having problems. In this test environment, the controllers support the only Composite Structural Engineering and Aerodynamic Engineering groups. All SSIDs must omit the department name.

Refer to the exhibit. The diagram is the floor plan for the Big Engineering office and the distribution of the departments. These tables show how the controllers have been configured.

Note, not all menu items, text boxes, or radio buttons are active.

- **BE-GA**
  - Controller Management Interfaces

<table>
<thead>
<tr>
<th>Name</th>
<th>IP address</th>
<th>Gateway</th>
<th>DHCP Interface</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSE-2504A</td>
<td>192.168.2.98/24</td>
<td>192.168.2.1</td>
<td>192.168.2.98</td>
</tr>
<tr>
<td>AE-2504A</td>
<td>192.168.3.98/24</td>
<td>192.168.3.1</td>
<td>192.168.3.98</td>
</tr>
<tr>
<td>HF-2504A</td>
<td>192.168.4.98/24</td>
<td>192.168.4.1</td>
<td>192.168.4.98</td>
</tr>
</tbody>
</table>

- **Composite and Structural Engineering (CSE) WLANs**

<table>
<thead>
<tr>
<th>Profile Name</th>
<th>SSID</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSE-Engineering</td>
<td>CSE-Engineering</td>
</tr>
<tr>
<td>CSE-Contractors</td>
<td>CSE-Contractors</td>
</tr>
<tr>
<td>CSE-Employees</td>
<td>CSE-Employees</td>
</tr>
</tbody>
</table>

- **AP Groups-CSE-WLANs**

<table>
<thead>
<tr>
<th>WLANs</th>
<th>APs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSE-Engineering</td>
<td>3700-CSE-A</td>
</tr>
<tr>
<td>CSE-Contractors</td>
<td>3700-CSE-B</td>
</tr>
<tr>
<td>CSE-Employees</td>
<td></td>
</tr>
</tbody>
</table>

- **AE-User Names and Passwords**

<table>
<thead>
<tr>
<th>User Name</th>
<th>Password</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joan Smith</td>
<td>actest</td>
</tr>
<tr>
<td>Carol Black</td>
<td>actest</td>
</tr>
</tbody>
</table>

You review the configuration of the test network controller. Which four changes must be made to resolve the problems? (Choose four.)

A. Change the High Availability Primary Controller Management Interface IP address.  
B. Remove the current WLANs and replace them with WLANs that have the same SSID names as on the AE-2504A controller.  
C. Add the Local Net User names and passwords  
D. Change the Layer 2 security to none and Layer 3 Security to Web Policy for the CSE-Contractors WLAN  
E. Remove me current WLAN from the CSE-WLAN AP Group and add all three of the WLANs configured in the CSE-2504A  
F. Add the CSE APs to the CSE-WLANs AP-Grou

Answer: BCDF
NEW QUESTION 3
Which statement about the join process of the access point is true? Refer to the exhibit.

A. The time on the controller is outside of the certificates validity time interval, so the join phase failed.
B. The AP successfully joined the controller.
C. The AP moved from this controller to its primary controller.
D. The AP failed to join because the MAC address of the AP was not correct on the controller.
E. The controller rejected all discovery requests from the AP because they were not received on the management interface subnet.

Answer: E

NEW QUESTION 4
A new wireless deployment with high AP density is experiencing high latency and connectivity issues on the 24 GHz band, despite an initial site survey done by a certified partner. Which option is the most impactful change a wireless consultant recommends? Refer to the exhibit.

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 rate, such as 1 Mbps and 2 Mbps.
D. Disable the short preamble.
E. Disable 80211g support to reduce interference.

Answer: C

NEW QUESTION 5
An engineer is troubleshooting AP join issues on a wireless infrastructure. While gathering debugs, the engineer notices that one of the commands may generate an excessive amount of data on the console. Which command causes this to occur?

A. debug capwap detail enable
B. debug capwap errors enable
C. debug capwap info enable
D. debug capwap events enable
E. debug capwap packet enable
F. debug capwap payload enable
NEW QUESTION 6
A network engineer is troubleshooting why EAP authentication with a client is failing. Which two commands should be used to resolve the issue? (Choose two)

A. debug dot1x notifications enable
B. debug dot1x events enable
C. debug arp
D. debug aaa detail enable
E. debug aaa events detail enable

Answer: BE

NEW QUESTION 7
A mobile workstation in a factory contains an AP that is configured as a workgroup bridge. When the workstation moves, it loses connectivity and disrupts operation. What can the engineer implement to minimize roaming problems?

A. Use 802.1X authentication.
B. Use Cisco Centralized Key Management for fast roaming.
C. Use AES for encryption.
D. Use the mobile station command

Answer: B

NEW QUESTION 8
Two 5508 Wireless Lan Controllers are managing all Access Points throughout the network. The WLCs are located in different locations to provide geographical redundancy. A Mobility Group has been configured on both WLCs and has a UP status on both controllers. The APs in location A are statically configured to use Controller A as the Primary and Controller B as the Secondary. If the WLC in location A goes offline, the APs successfully join the WLC in location B but they do not failover to their Primary configured Controller. What configuration task will fix this issue?

A. Change the AP Failover Priority to critical.
B. Enable AP Fallback globally on the WLC.
C. Configure the WLC in location A as Primary using the CAPWAP AP Controller IP Address command on all the location A Access Points.
D. Use DHCP Option 43 and specify WLC in location A as Primary

Answer: C

NEW QUESTION 9
An engineer is concerned about rogue-on-wire and wants to enable port security. Which guideline must the engineer follow?

A. Configure Switched Port Analyzer destination ports as secure.
B. Use 802.1X with port security to prevent MAC spoofing.
C. Enable port security on dynamic access ports.
D. Employ static MAC address configuration for APs with port security

Answer: A

NEW QUESTION 10
A company consists of two adjacent buildings, each with its own Cisco 5508 Wireless Controller with APs joined to the controller in the building. The two controllers are configured identically except for interface IP addresses. Only one SSID is being used in both buildings. The clients in building A are not experiencing any connectivity issues, but the clients in building B report poor connections. An engineer performs a site survey and finds co-channel interference. Why is the connectivity issue occurring?

A. Ensure WMM is enabled on the SSID.
B. Manually select controller B as RF group leader.
C. Configure controller B to be in a separate RF group.
D. Doable the low data rates on the a radio and the b/g radio in building

Answer: C

NEW QUESTION 11
An engineer is troubleshooting reports from a Cisco 7925 user that is experiencing consistent gaps in audio when roaming from one area of the facility to another. Packet analysis shows that the phone is flapping between two access points due to poor SNR. Which action fixes this issue?

A. Add access points to the areas that have a noise floor below -90 dBm.
B. Adjust the roaming threshold of the WLC to -67 dBm for improved access point performance.
C. Use coverage hole detection to allow the access points to compensate for the poor roaming.
D. Redesign the area for sufficient overlap with access points running at reduced power level

Answer: C

NEW QUESTION 12
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Which modulation, which was introduced in 802.11ac standard, influences end-user experience by providing the highest data rates and throughput?

A. 256 QAM  
B. QPSK  
C. 16 QAM  
D. 64 QAM  

Answer: A

NEW QUESTION 13
Refer to the exhibit.

Which two statements about the WLAN are true? (Choose two.)

A. 802.11b data rates are disabled in this WLAN.  
B. The Cisco device is a 3600 series AP.  
C. The client is 802.11n capable.  
D. The client has authenticated.  
E. The client has a 5 GHz connection.

Answer: CE

NEW QUESTION 14
You have a single Cisco 5508 WLC with a management IP address of 172.16.24.5/24. You need to register 50 new Cisco AIR-CAP3702I-E-K9 Access Points to the WLC using DHCP option 43. The access points are connected to a switch in VLAN 37, which uses the 172.16.37.0/24 subnet. You have configured the DHCP scope on the switch like this:

```
Network 172.16.37.0 255.255.255.0  
Default Router 172.16.37.1  
Option 43 Asei 172.16.24.5
```

The access points are failing to join the wireless LAN controller. Which command fixes the issue?

A. Option 43 Hex F108.CA10.1805  
B. Option 43 Hex F104.AC10.1705  
C. Option 43 Hex F112.CA10.1805  
D. Option 43 Hex F104.AC10.1805

Answer: D

NEW QUESTION 15
Which statement about the process of rogue containment performed on a rogue AP and rogue clients is true?

A. Trusted clients are configured to ignore the rogue AP so that only the rogue clients can connect.  
B. An RF jammer is used to prevent the rogue AP from transmitting.  
C. An authorized AP spoofs de-authentication packets that have the spoofed source address of the rogue AP.  
D. A trusted AP is configured to mimic the rogue AP and to prevent clients from associating to the rogue AP.

Answer: C

NEW QUESTION 16
Which three details are contained within the LWAPP discovery response sent by each WLC to enable the LAP to choose a WLC? (Choose three.)

A. the controller sysName  
B. an AP-manager IP address  
C. the WLC IOS version  
D. the mobility domain name  
E. the master controller flag
NEW QUESTION 17
An engineer is attempting to resolve wireless channel overlap issues in the 2.4 GHz network. Which network change reduces channel overlap?

A. Shut down 802.11b/g/n radios.
B. Enable 40 MHz channel bonding on 802.11b/g/n.
C. Enable 802.11b data rates.
D. Enable all 802.11b/g/n channel

Answer: D

NEW QUESTION 18
You are troubleshooting an AP that fails to join a WLC. Which step of the DTLS handshake is first when establishing a secure CAPWAP connection?

A. ServerHello
B. HelloVerifyRequest
C. Server-ChangeCipherSpec
D. ClientHello

Answer: D

NEW QUESTION 19
Which three options can be configured as roaming triggers on a WGB? (Choose three.)

A. SNR
B. co-channel interference
C. RSSi
D. packet fragmentation
E. packet retries
F. minimum data rate

Answer: CEF

NEW QUESTION 20
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

Answer: A

NEW QUESTION 21
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