

# Cisco

## Exam 642-747

### Implementing Cisco Unified Wireless Mobility Services (IUWMS v2.0)

Version: 8.1

[ Total Questions: 164 ]

**Question No : 1**

Refer to the exhibit.

| Monitor                    | Mobility Statistics                  |     |                                      |
|----------------------------|--------------------------------------|-----|--------------------------------------|
| <b>Summary</b>             |                                      |     | Anchor Request Sent 0                |
| ▶ <b>Access Points</b>     | <b>Global Mobility Statistics</b>    |     | Anchor Deny Received 0               |
| ▼ <b>Statistics</b>        | Rx Errors                            | 2   | Anchor Grant Received 0              |
| Controller                 | Tx Errors                            | 0   | Anchor Transfer Received 0           |
| Ports                      | Responses Retransmitted              | 0   |                                      |
| RADIUS Servers             | Handoff Requests Received            | 264 |                                      |
| <u>Mobility Statistics</u> | Handoff End Requests Received        | 0   |                                      |
| ▶ <b>CDP</b>               | State Transitions Disallowed         | 0   |                                      |
| ▶ <b>Rogues</b>            | Resource Unavailable                 | 0   |                                      |
| <b>Clients</b>             | <b>Mobility Initiator Statistics</b> |     |                                      |
| <b>Multicast</b>           | Handoff Requests Sent                | 20  |                                      |
|                            | Handoff Replies Received             | 0   |                                      |
|                            | Handoff as Local Received            | 20  |                                      |
|                            | Handoff as Foreign Received          | 0   |                                      |
|                            | Handoff Denys Received               | 0   |                                      |
|                            |                                      |     | <b>Mobility Responder Statistics</b> |
|                            |                                      |     | Handoff Requests Ignored 62          |
|                            |                                      |     | Ping Pong Handoff Requests Dropped 0 |
|                            |                                      |     | Handoff Requests Dropped 2           |
|                            |                                      |     | Handoff Requests Denied 0            |
|                            |                                      |     | Client Handoff as Local 0            |
|                            |                                      |     | Client Handoff as Foreign 0          |
|                            |                                      |     | Anchor Requests Received 0           |
|                            |                                      |     | Anchor Requests Denied 0             |
|                            |                                      |     | Anchor Requests Granted 0            |
|                            |                                      |     | Anchor Transferred 0                 |

What does the count of 62 for Handoff Requests Ignored represent in the Mobility Statistics output?

- A. the number of handoff requests that were denied because the handoff period was too short (3 seconds)
- B. the number of handoff requests or client announcements that were ignored because the controller had no knowledge of that client
- C. the number of anchor requests that were ignored because the session closed on the current anchor and transferred the anchor back to the requestor
- D. the number of handoff responses that were denied

**Answer: B**

**Question No : 2**

What are two limitations of using a Mesh AP as a workgroup bridge? (Choose two.)

- A. There is a limit of 20 wired client devices.
- B. Multiple VLANs are not supported for wireless clients.
- C. A limited subset of Layer 2 security types are supported for wireless clients of a WGB.

- D. Only factory configured Mesh APs can support WGB mode.
- E. Mesh APs configured in WGB mode do not answer S36 radio measurement requests.

**Answer: A,B**

**Question No : 3**

How often is the Cisco WCS v7.0 map updated regarding mesh information?

- A. 30 seconds
- B. 90 seconds
- C. 5 minutes
- D. 15 minutes
- E. 20 minutes

**Answer: D**

**Question No : 4**

Which statement correctly describes a "salt and pepper" approach to AP deployment?

- A. It improves client roaming time.
- B. It improves controller loss failover.
- C. It reduces administrative Cisco WLC configuration.
- D. It supports larger mobility lists per controller.

**Answer: B**

**Question No : 5**

An engineer is configuring a category of event notifications that currently does not exist on the WCS. What step must be completed first to create this new event?

- A. define what will trigger the notification
- B. define an event definition
- C. define an event group
- D. define where to send the notification

**Answer: C**

**Question No : 6**

Which method is used by Cisco WLC v7.0 for the autoinstall process?

- A. CAPWAP discovery broadcast
- B. IP address stored in NVRAM
- C. DNS "cisco-capwap-controller"
- D. DHCP option 150
- E. DHCP option 43
- F. DHCP option 60

**Answer: D**

**Question No : 7**

A network engineer needs to bridge a wired IP surveillance camera in the parking lot through a Mesh AP. What mode would the AP the camera is connected to be operating in?

- A. RAP
- B. MAP
- C. Local
- D. FlexConnect

**Answer: B**

**Question No : 8**

What is an engineer doing when empirically calibrating the RSSI of a RTLS system?

- A. fingerprinting
- B. tuning
- C. averaging
- D. RF identifying

**Answer: A**

**Question No : 9**

An engineer wants to test Context Aware Notifications configured in WCS. What three events can be test fired? (Choose three.)

- A. Missing
- B. Battery Level
- C. Location Change
- D. Chokepoint
- E. Emergency

**Answer: A,B,C**

**Question No : 10**

Which two statements describe the software v7.0 implementation of LAG on a Cisco controller? (Choose two.)

- A. It is supported on Cisco WLC 2500.
- B. It is supported on the Cisco FlexConnect 7500 controller.
- C. Fewer IP addresses are required.
- D. The LAG port becomes port 15.
- E. The LAG port becomes port 29.
- F. The switch channel group negotiates with LAGP.
- G. The switch channel group negotiates with PaGP.

**Answer: C,F**

**Question No : 11**

What is the list of Cisco 3300 Series MSE v7.0 network location service elements that can be individually enabled or disabled for device tracking and quantity limitation?

- A. Clients and Tags only
- B. Clients, Rogue APs, Interferers, and Tags only
- C. Clients, Rogue APs, Rogue Clients, Interferers, and Tags only

- D. Wired Clients, Wireless Clients, Rogue APs, Rogue Clients, Interferers, and Tags only
- E. Wired Clients, Wireless Clients, Rogue APs, Rogue Clients, Interferers, Active Tags, and Choke Point Tags

**Answer: D**

**Question No : 12**

An engineer is receiving out-of-sync notifications in the alarm window of WCS. What should the engineer configure to ensure these alarms are addressed?

- A. disable Out of Sync Alerts as they are resolved automatically
- B. On the WCS, Check the Mobility Service Synchronization check box, choose Execute Now, and then click Go.
- C. On the MSE, check the Mobility Service Synchronization check box, choose Execute Now, and then click Go.
- D. On the WCS, edit the Mobility Service Synchronization.

**Answer: D**

**Question No : 13**

Which option correctly describes the implementation of AP groups on Cisco WLC v7.0?

- A. applied to individual interfaces only
- B. applied to individual or groups of interfaces
- C. APs are assigned by WLAN SSID
- D. applied transparently to the user when the AP is assigned

**Answer: B**

**Question No : 14**

Controllers WLC\_1 and WLC\_2 are in the same mobility group. A wireless client that does not have the same VLAN interface roams from WLC\_1 to WLC\_2. What happens to the client roaming?

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- A. The client context is deleted in controller WLC\_1, and a new client context is created in WLC\_2 to become the anchor controller.
- B. The client context is moved from controller WLC\_1 to controller WLC\_2. The result is that the WLC\_1 client context is deleted and WLC\_2 becomes the anchor controller.
- C. The client context is copied from controller WLC\_1 to controller WLC\_2. The result is that WLC\_1 becomes the anchor controller and WLC\_2 becomes the foreign controller.
- D. The client context is copied from controller WLC\_1 to controller WLC\_2. The result is that WLC\_1 becomes the foreign controller and WLC\_2 becomes the anchor controller.

**Answer: C**

### Question No : 15

Which two options describe the ability to schedule AP power status? (Choose two.)

- A. switch management configuration of respective switch port PoE status connected to AP
- B. Cisco WLC v7.0 configuration for time of day for combined AP radio status
- C. Cisco WLC v7.0 configuration for time of day for individual AP radio status
- D. Cisco WCS v7.0 configuration for time of day for combined AP radio status
- E. Cisco WCS v7.0 configuration for time of day for individual AP radio status

**Answer: A,D**

### Question No : 16

Access points not assigned to an MSE are receiving out of sync alerts. Where can this feature be disabled?

- A. Mobility Service Background Tasks
- B. Mobility Service Event Groups
- C. Mobility Service Network Designs
- D. Mobility Service Maintenance

**Answer: A**

### Question No : 17

How is distance determined using the RF fingerprinting technique?

- A. modified cell of origin
- B. difference in signal time arrival between locations
- C. RSS lateration using angle of arrival
- D. RSS lateration using enhanced path loss modeling

**Answer: D**

**Question No : 18**

Which issue may lead to inconsistent wireless client locations being reported by Cisco WCS v7.0?

- A. Roaming between APs is controlled by different controllers.
- B. A mix of APs is configured for monitor and local mode.
- C. The wireless client does not transmit a probe request to all channels.
- D. The wireless client is not compliant with Cisco Compatible Extensions.
- E. The wireless client does not associate.

**Answer: C**

**Question No : 19**

After running a scheduled autonomous AP migration template, the status of the task shows as "Disabled" What has happened with the task?

- A. The template failed to migrate all of the selected autonomous access points to CAPWAP.
- B. The template did not run at the time for which it was scheduled.
- C. The template timed out and migrated a subset of the selected autonomous access points to CAPWAP.
- D. The template does not have autonomous access points selected and will not run on time.

**Answer: D**

**Question No : 20**

Which two statements describe Cisco WLC v7.0 implementation of country codes for RF



regulatory domains? (Choose two.)

- A. There is a maximum of one per controller.
- B. There is a maximum of 12 per controller.
- C. There is a maximum of 20 per controller.
- D. The AP defaults its RF code selection.
- E. The AP is configurable for one RF code per radio.
- F. The AP is configurable for one RF code across both radios.

**Answer: C,D**

**Question No : 21**

Through which method can a client device connect to a MAP v7.0 to access the corporate network?

- A. wired Ethernet only
- B. 5-GHz radio only
- C. 2.4-GHz radio only
- D. 2.4- or 5-GHz radio only
- E. wired Ethernet or 2.4- or 5-GHz radio

**Answer: E**

**Question No : 22**

Context-aware usage has been deployed on a Cisco MSE 3310 that is licensed to maximum capacity. Approximately 900 wireless clients are currently being tracked. New services need to be added for 500 RFID tags based on RSSI and 500 RF interferers tracked via CleanAir. What should be changed regarding the Cisco 3300 Series MSE v7.0?

- A. Add a second Cisco MSE 3310 with a license for RFID tags, and then add a license for CleanAir to either the original or new Cisco MSE.
- B. Replace Cisco MSE 3310 with MSE 3355 with a license for CleanAir and tags, and then move the license from Cisco MSE 3310 to MSE 3355 for context-aware.
- C. Add a CleanAir and RFID tag license to Cisco MSE 3310.
- D. Add only an RFID tag license to Cisco MSE 3310.
- E. Add only a CleanAir license to Cisco MSE 3310.
- F. Increase only the context-aware license.

G. No license is required.

**Answer: G**

**Question No : 23**

An engineer has found that the many of the access points are going offline after 21:00 everyday, then recover the following morning at 7:00. What menu would lead the engineer to the resolution of this issue in WCS?

- A. Services - Synchronize Services
- B. Configure - Scheduled Configuration Tasks
- C. Configure - Access Points
- D. Services - Mobility Services

**Answer: B**

**Question No : 24**

Which option describes Cisco support of Distributed Antenna Systems?

- A. requires DAS integration vendor
- B. requires disabled Cisco WLC RRM service
- C. requires Cisco WCS antenna gain adjustment
- D. requires disabled CleanAir services
- E. requires disabled ClientLink services

**Answer: A**

**Question No : 25**

Which view does Cisco WCS v7.0 have of a connected Cisco WGB?

- A. as a regular wireless client
- B. not viewed directly; only the connected clients behind the Cisco WGB
- C. as an autonomous AP
- D. as a Cisco WGB client and connected clients behind the Cisco WGB