

Implementing Cisco Unified Wireless Voice Networks (IUWVN) V2.0

1. What is the main difference between the Cisco Unified Wireless IP Phone 7921G and the Cisco Unified Wireless IP Phone 7925G?

A. 7925G supports WPA2, whereas the 7921G supports only WPA1.

B. The 7925G is suited for a more rugged environment.

C. The 7925G has support for 802.11n, whereas the 7921G does not.

D. The 7925G supports 802.11a/b/g, whereas the 7921G supports only 802.11b/g.

Answer(s): B

2. You are given a new single Cisco 2500 Series Wireless Controller with 8 to 12 APs. Which two statements describe the minimum required multicast configuration? (Choose two.)

A. Enable WLC to AP Multicast Mode for unicast.

B. Configure the IGMP Query Interval for 20 seconds.

C. Enable Global Multicast Mode.

D. Enable IGMP Snooping.

E. Configure the IGMP Timeout for 60 seconds.

F. Enable WLC to AP Multicast Mode for multicast.

G. Enable the WLAN Multicast VLAN feature.

Answer(s): C,F

3. A downstream packet containing a DSCP value arrives at the WLC Ethernet interface from the wired source network. The WLC is configured for QoS WLAN 802.1p mapping. How does the WLC treat the CAPWAP QoS marking when leaving the controller interface for the respective AP and final wireless client destination?

A. The outer CAPWAP CoS is marked and capped while the inner DSCP maintains the original marking.

B. The outer CAPWAP DHCP is marked and capped without any inner DSCP value.

C. No outer CAPWAP or inner QoS tagging is applied.

D. No outer CAPWAP QoS tag is applied, but the original DSCP is maintained inside CAPWAP.

Answer(s): A

4. Users are experiencing poor audio quality when calling from their 7925 series VoIP Phones. Call quality is exceptional from wired to wired phones, but not from wired to wireless phones. The wired network has QoS deployed properly and the SSID is configured with Platinum QoS. What should be verified to troubleshoot the issue?

A. The controller is marking the 802.1p tag of 3, the AP switchport has been configured to trust DSCP, and the controller's switchport to trust CoS.

B. The controller is marking the 802.1p tag of 4, the AP switchport has been configured to trust CoS, and the controller's switchport to trust DSCP.

C. The controller is marking the 802.1p tag of 6, the AP switchport has been configured to trust CoS, and the controller's switchport to trust DSCP.

D. The controller is marking the 802.1p tag of 5, the AP switchport has been configured to trust DSCP, and the controller's switchport to trust CoS.

Answer(s): D

5. WLC v7.0 is configured for multicast with WLC-to-AP multicast mode, using IP address

A. CS4

B. EF

C. CS5

D. CS6

E. BE

F. CS1

G. CS3

H. CS2

Answer(s): E

6. The customer has deployed C7260 phones with clients connected to them. What switch feature could be enabled to distinguish IP voice traffic from client data traffic?

A. QoS routing

B. Weighted Queuing

C. WME

D. Voice VLAN

E. QBSS

Answer(s): D

7. An engineer has been assigned the task of deciding the cell overlap for a wireless voice deployment. Which Cisco measurement recommendation should be considered?

A. The measurement should be done on the 2.4-GHz band.

B. One AP should be deployed per 3000 square feet.

C. The edge of the cell should be -67 dBm.

D. The edge of the cell should be below 35 RSSI.

Answer(s): C

8. Clients are experiencing artifacts in multicast video even though the network was recently upgraded to 802.11n APs. What three configuration changes will be most effective to improve performance? (Choose three.)

A. enable Call Admission Control

B. increase QoS marking on multicast

C. increase mandatory data rate

D. enable 40 MHz wide channels

E. disable Multicast Messaging

F. enable VideoStream

Answer(s): A,D,F

9. A network engineer wants the DSCP marking to align with the 802.11e access category video. What will this marking be?

A. AF31

B. 4

C. 5

D. 34

Answer(s): D

10. Which two configurations can resolve one-way audio in WLANs? (Choose two.)

A. TPC on AP

B. maximum transmit power

C. admission control

D. Platinum QoS in the WLAN

E. DTPC

Answer(s): A,E

11. What three minimal configurations are required for a correctly scaled multicast configuration using WLC v7.0? (Choose three.)

A. Configure IGMP timeout for 60 seconds

B. Enable WLAN multicast VLAN feature

C. Enable global multicast mode

D. Configure IGMP query interval for 20 seconds

E. Enable AP multicast mode for Unicast

F. Enable AP multicast mode for multicast

G. Enable IGMP snooping

Answer(s): C,F,G

12. WLCs v7.0 have been configured for multicast and IGMP snooping enabled, with all other parameters set to default. A wireless client actively receiving a multicast group roams from WLC1 to WLC2, both of which are configured for the client IP subnet. Which statement describes the roaming process?

A. A new IGMP packet is required from the client and WLC2 becomes the local anchor controller.

B. A new IGMP packet is required from the client and WLC2 becomes foreign controller and WLC1 becomes anchor controller.

C. There is no required action from the client and WLC2 becomes the local anchor controller.

D. There is no required action from the client and WLC2 becomes foreign controller and WLC1 becomes anchor controller.

Answer(s): C

13. Which of these authentication and encryption combinations would be considered the most secure?

A. EAP-FAST and WPA TKIP

B. EAP-FAST and WPA2 AES

C. LEAP and WPA TKIP

D. WPA-PSK and TKIP

Answer(s): B

14. A wired packet that is marked for QoS priority CS4 arrives on VLAN-4 at Cisco WLC v7.0, with a destination of a WLAN SSID-4. The Cisco WLC is configured for the wired and wireless QoS level of Silver. The infrastructure routers and switches have incorrect QoS configurations. They have mismarked the CAPWAP outer header to a QoS priority EF.

A. The AP sends the packet with an 802.11 priority tag of 0 (Best Effort).

B. The AP sends the packet with an 802.11 priority tag of 6 (Platinum).

C. The AP sends the packet with an 802.11 priority tag of 3 (Silver).

D. The AP sends the packet with an 802.11 priority tag of 5 (Gold).

Answer(s): C

15. A network engineer is having wireless multicast fail when it hits the wired network. What command will show the source of multicast groups for troubleshooting?

A. show ip igmp

B. show ip route

C. show ip mroute

D. show ip interface counts

E. show ip mcache

Answer(s): C

16. An engineer is designing a wireless infrastructure to support secured wireless access for Cisco 7925 series phones. What 802.1X authentication protocol would create the least overhead for authentication, while also securely transporting credentials?

A. PEAP-EAP-GTC

B. EAP-TLS

C. PEAP-EAP-MSCHAPv2

D. EAP-MSCHAPv2

E. EAP-FAST

F. PEAP-EAP-TLS

Answer(s): E

17. An engineer finishes configuring a voice over wireless deployment. However, during the

A. check that the lowest data rate is 5.5Mbps to support TSPEC, and verify that the SSID is set to Platinum

B. modify the SIP CAC Access Control List on the controller to permit voice traffic for 7925 phones

C. ensure the lowest data rate is 12Mbps and set to Mandatory, and verify there is enough allocated bandwidth to support voice calls

D. turn off traffic stream metrics

Answer(s): C

18. A wireless network needs for QoS to be mapped end-to-end to provide reliability for network applications. What two port configurations and QoS markings should be utilized for the switch to accept the APs tags? (Choose two.)

A. The switch should have MLS QoS enabled with all uplink and downlink ports configured to trust CoS tags. All uplink switches need to trust the CoS tags.

B. For a local mode AP the switchport should be configured as a trunk port trusting both DSCP or CoS tags from the AP.

C. For a local mode AP, the switchport should be configured as an access port trusting the CoS tag from the AP.

D. The switch should have MLS QoS enabled with all uplink and downlink ports configured to trust DSCP tags. All uplink switches need to trust the DSCP tags as well.

E. For a local mode AP, the switchport should be configured as an access port trusting the DSCP tag from the AP.

Answer(s): A,E

19. Controllers in a mobility group must all have which of these characteristics in common?

A. mobility group name, version of controller code, and Control and Provisioning of Wireless Access Points mode

B. mobility domain name, version of controller code, Control and Provisioning of Wireless Access Points mode, ACLs, and WLANs (SSIDs)

C. mobility domain name, version of controller code, and Control and Provisioning of Wireless Access Points mode

D. mobility group name, version of controller code, Control and Provisioning of Wireless Access Points mode, ACLs, and WLANs (SSIDs)

Answer(s): D

20. When designing the coverage area for high call capacity, what two actions should you take with data rates and channels? (Choose two.)

A. Avoid channels with high AP co-channel interference.

B. Use channels with high AP co-channel interference to avoid channel roaming.

C. Use 2.4-GHz channels when possible.

D. Use 5-GHz channels when possible.

E. Set the 2.4-GHz data rate of 5.5 Mb/s to required.

Answer(s): A,D
