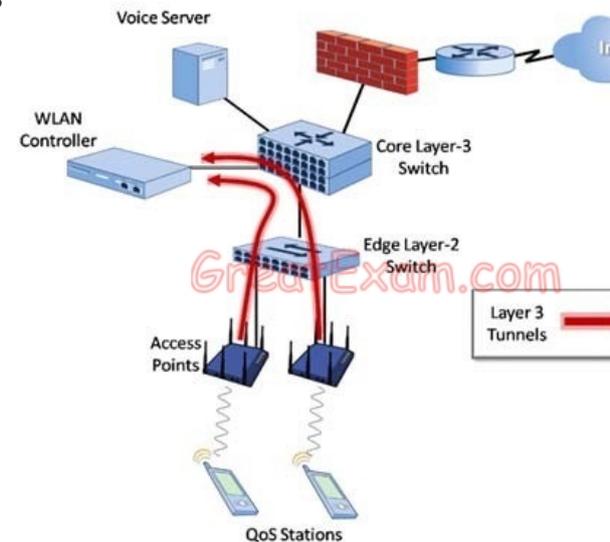


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QUESTION 11 Given: Use the exhibit as a reference. ABC Company has a WLAN controller with 10 controller-based APs; the Voice SSID is configured for centralized data forwarding. Each AP is connected to an access port on a layer-2 Ethernet switch. Each layer-2 switch is uplinked to a single layer-3 core Ethernet switch. The WLAN controller is connected directly to the layer-3 core Ethernet switch. Layer-3 tunnels are created between all controller-based APs and the WLAN controller. A voice server is connected to the layer-3 Ethernet switch. When a voice-enabled QoS STA sends an IP data packet to a voice server in this scenario, the DSCP value carried in the STA's IP data packet gets mapped to what and by which device?



A. The DSCP value is mapped to an IEEE 802.1Q priority tag value by the WLAN controller.
B. The DSCP value is mapped to the DSCP value in the encapsulating IP header by the layer-3 switch.
C. The DSCP value is mapped to an IEEE 802.1p (802.1D-2004) UP value by the access point.
D. The DSCP value is mapped to an IEEE 802.1Q VLAN tag by the access point.
E. The DSCP value is mapped to the VLAN ID by the layer-2 Ethernet switch.
Answer: A

QUESTION 12 Given: For this fill-in the blank question, each answer option contains an answer for the first and second blanks, separated by a dash "--". Choose the answer option that correctly fills in both blanks in the following sentence. A WLAN may use 802.11 admission control to _____, and admission control requirements are configured separately for each _____.
A. Block stations with inadequate security parameters -- SSID
B. Identify voice-enabled wireless devices -- AP radio (that is, 2.4 GHz or 5 GHz)
C. Regulate the available bandwidth resources -- Access Category
D. Mark ingress and egress frames with priority values -- TCP/IP port
E. Administer VoWiFi use policy -- VLAN
Answer: C

QUESTION 13 In a large enterprise (5000+ wireless users), by what recommended methods are IP addresses and VLANs assigned to different clients associated to the same AP? (Choose 3)
A. Each SSID is mapped to a static VLAN assignment
B. Upstream AAA servers dynamically assign VLANs to each user or group profile
C. Radio signal metrics (RSSI, SNR, etc.) of WLAN clients are triangulated for location-based VLAN assignment during association
D. Each BSSID is assigned a unique VLAN to help manage the size of broadcast domains on the wired network
E. Multiple VLAN pools are designated for an SSID and user IP addresses are selected in a round-robin fashion from the associated pools
F. In a centralized data forwarding model, clients automatically receive an IP address on the native VLAN of the AP's Ethernet access port
G. The configuration profile of the client supplicant is hard-coded with a VLAN ID.
Answer: ABE

QUESTION 14 In a multiple channel architecture (MCA) network supporting 802.1X authentication, what aspects of WLAN design affect client roaming efficiency and effectiveness? (Choose 3)
A. Channels supported by infrastructure
B. Key caching protocols
C. Cipher suite
D. PHY standard used by client
E. Supported uplink and downlink MCS rates
F. The infrastructure's roaming algorithm
G. Channels supported and scanned by client
Answer: ABG

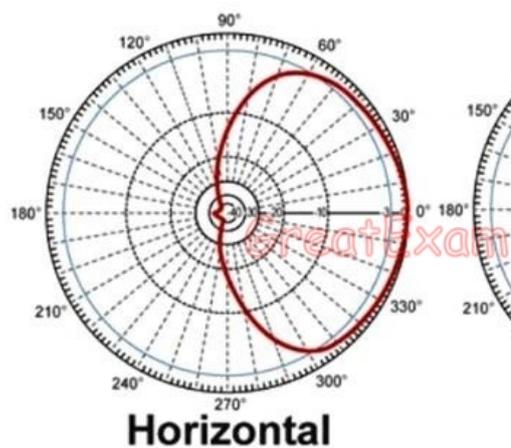
QUESTION 15 An associated STA detects a new BSS with the same SSID as the STA's current BSS. The new BSS uses a different IP subnet than the current BSS. If the STA is configured to use 802.1X/EAP preauthentication, what is likely to occur?
A. The STA will not attempt to preauthenticate because the new BSS uses a different IP subnet.
B. The STA will attempt to preauthenticate, but fail because the new BSS uses a different data-link broadcast domain.
C. The STA will attempt to preauthenticate and succeed if DHCP is supported on the new subnet.
D. The STA will attempt to preauthenticate and succeed if IP Mobility is enabled on the AP or WLAN controller.
E. The STA will attempt to

preauthenticate and succeed if the current AP has shared its cached PMK. Answer: B QUESTION 16 Given: A WLAN controller is connected to ABC Company's core layer 3 Ethernet switch with an IEEE 802.1Q trunk connection. The WLAN controller's native VLAN is VLAN 6 and its IP address is 10.0.14.2 /24. Lightweight APs supporting centralized forwarding are connected to the network on VLANs 7, 8, and 9, and they each build a layer 3 tunnel back to the WLAN controller's IP address. The dynamically assigned IP addresses received by each AP from a DHCP server will be _____. A. Associated with the VLAN on which they are connected. B. Associated with the native VLAN of the WLAN controller. C. Associated with VLAN 1, the default VLAN for new APs. D. Associated with a non-routable VLAN until the MAC address of the AP is removed from the controller's MAC filter Answer: A

QUESTION 17 What is the purpose of DHCP Option 43, and how is it used with WLANs? A. It provides clients with a temporary IP address on a restricted VLAN until 802.1X authentication is completed. Then the client receives its long-term IP address. B. It provides IP address bindings for specific network nodes that require long-term IP address assignments. WLAN controllers are configured to use Option 43 to receive long-term IP address leases that are centrally managed with DHCP. C. It supports vendor-specific IP address attributes for node discovery purposes. APs use Option 43 with vendor class identifiers to obtain the IP address of a centralized WLAN controller. D. It integrates a DHCP server with AAA servers and user databases to dynamically assign IP addresses to client devices. During 802.1X, the AAA server uses Option 43 to notify the DHCP server what IP pool the client's address should be drawn from. Answer: C

QUESTION 18 You deployed an AP and installed its antenna, and you now need to set the AP transmit power. Given a desired EIRP of 21 dBm, and an antenna gain of 5.85 dBd connected through 25 feet of cable with a loss specification of 4 dB/100 feet. Assuming that there is no significant loss from the connectors, what should be the transmit power level for this AP? A. 10 mW B. 14 mW C. 20 mW D. 25 mW E. 40 mW F. 50 mW Answer: D

QUESTION 19 The exhibit illustrates the azimuth and elevation for what type of antenna?



A. Omni-directional B. 20 degree vertical yagi C. 120 degree horizontal sector D. 60 degree horizontal patch E. 10 degree vertical grid Answer: C QUESTION 20 What is a radome? A. A type of semi-circular ceiling found in atriums and that is a heavy cause of RF reflection. B. A weatherproof piece of plastic covering an antenna or antenna system. C. The unit used to measure the signal reflected backward by the end of a cable. D. A piece of metal positioned behind APs mounted on outdoor poles, designed to limit the butterfly effect. E. The unwanted signal coverage provided by either side or back lobes in directional antennas. Answer: B

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