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QUESTION 1

Given: As the wireless network administrator for XYZ Company, you are planning to upgrade your aging wireless network infrastructure, as well as some clients, to support 802.11n. In your research, you have discovered that your new wireless client devices and infrastructure are 802.11n, WMM, and WMM-PS certified by the Wi-Fi Alliance. Some of your existing client devices are 802.11a/b/g devices that do not support WMM.

Given this information, what scenario is possible when your company\\'s employees begin using both types of client devices on the new WLAN?

A. All WMM-PS certified client devices will be prevented from utilizing WMM-PS features until all stations in use on the wireless medium are WMM-PS certified.

B. The WLAN infrastructure will set the dozing times of the WMM-PS certified client devices based upon their WMM access category, while the non-WMM-PS client devices will continue to use PS- Poll frames.

C. Performance and battery life will be inconsistent between WMM-PS and non-WMM-PS client devices when used with applications that support WMM-PS.

D. WMM-PS enabled APs will allow both WMM-PS and non-WMM-PS stations to use the trigger- and-delivery mechanism, but WMM-PS stations will get priority.

E. When all STAs are using Power Save features, WMM-PS STAs will experience poor performance due to PS protection mechanisms.
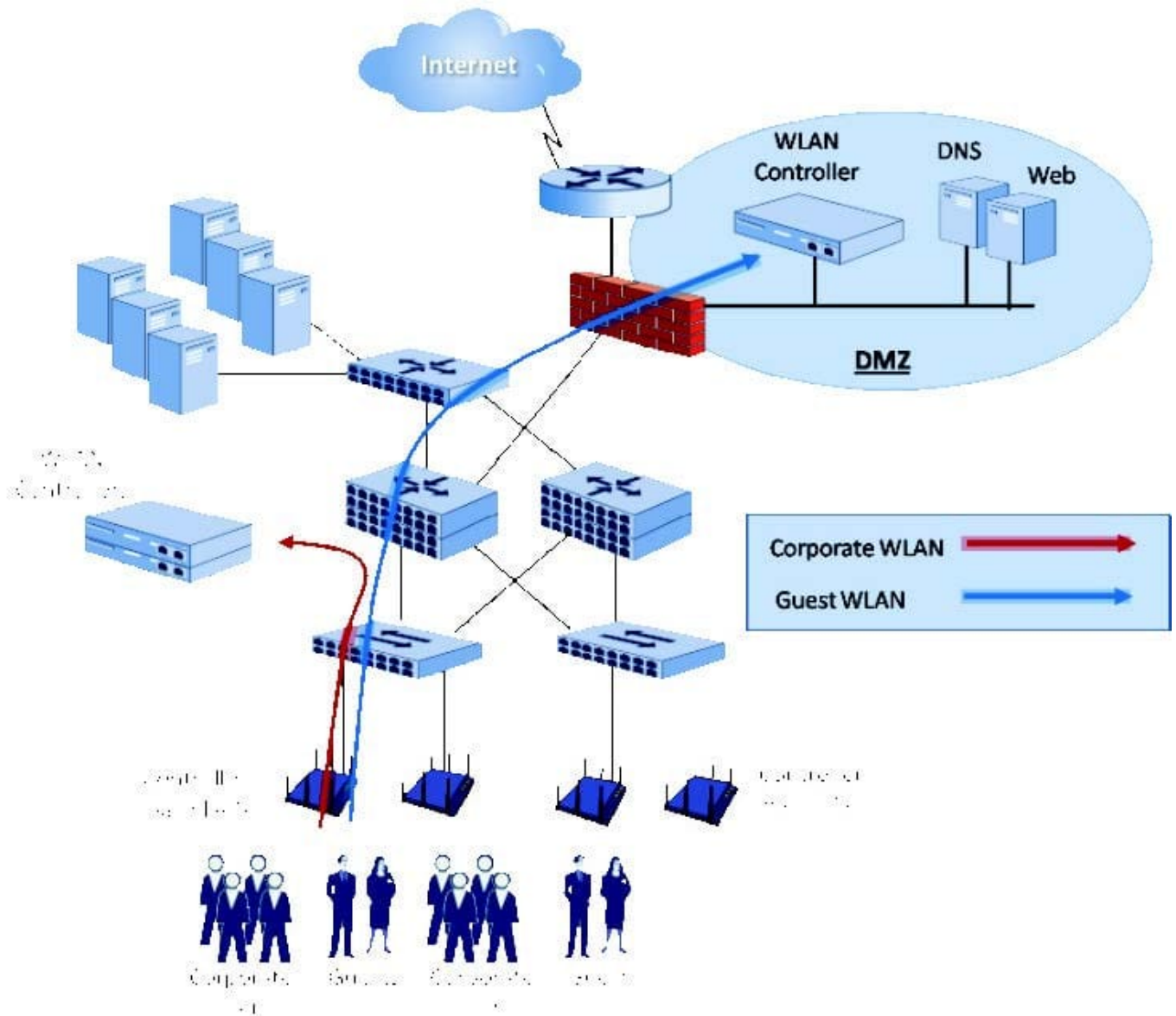
Correct Answer: C

QUESTION 2

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

Correct Answer: D

QUESTION 3

What are some advantages of designing guest access as it is shown in the exhibit?

A. Allows a single SSID with different authentication/encryption models to be used for all WLAN services for corporate users and guests

B. Minimizes configuration requirements for segmentation and filtering of guest traffic across internal LAN

C. The border firewall configuration will not require any additional rules to pass guest traffic to the DMZ controller

D. Enhances performance of web proxy servers in the DMZ for guest Internet traffic

E. Allows simple and secure guest collaboration (file/print sharing) with corporate users

Correct Answer: B

QUESTION 4

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.

Correct Answer: C

QUESTION 5

To achieve a 450 Mbps MCS, what 802.11n features (from the numbered list below) are required?

1.

 Frame aggregation

2.

 Short GI

3.

 40 MHz channels

4.

 2 spatial streams

5.

 3 spatial streams

6.

 Transmit beamforming (TxBF)

A. 1, 2, 3, 4

B. 1, 2, 3, 5

C. 1, 2, 3, 4, 6

D. 1, 2, 3, 5, 6

E. 2, 3, 4

F. 2, 3, 5

Correct Answer: F