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QUESTION 1

During a post-deployment verification, you are requested to troubleshoot an area where users are experiencing poor throughput. They are using data communication only, mainly from laptops. You captured the frame displayed in the exhibit from the location where problems are reported. This frame is typical of those that were captured by the analyzer.

```
⊞ Frame 14887 (59 bytes on wire, 59 bytes captured)
⊟ Radiotap Header v0, Length 20
    Header revision: 0
    Header pad: 0
    Header length: 20
  ⊞ Present flags: 0x000018ee
  ⊞ Flags: 0x10
    Data Rate: 6.0 Mb/s
    Channel frequency: 2412 [BG 1]
  ⊞ Channel type: 802.11g (pure-g) (0x00c0)
    SSI Signal: -80 dBm
    SSI Noise: -100 dBm
    Signal Quality: 10
    Antenna: 0
    SSI Signal: 20 dB
⊟ IEEE 802.11 QoS CF-Ack + CF-Poll (No data), Flags: .pmP.MFT.
    Type/Subtype: QoS CF-Ack + CF-Poll (No data) (0x2f)
  ⊟ Frame Control: 0x77F9 (Normal)
      Version: 1
      Type: Data frame (2)
      Subtype: 15
    ⊞ Flags: 0x77
    Duration: 39687
    Receiver address: 7a:a2:40:d5:49:be (7a:a2:40:d5:49:be)
    Transmitter address: ef:20:6f:0d:da:a7 (ef:20:6f:0d:da:a7)
    Destination address: 7c:b9:f8:1a:39:dd (7c:b9:f8:1a:39:dd)
    Fragment number: 15
    Sequence number: 890
    Source address: b7:97:16:50:00:7b (b7:97:16:50:00:7b)
  ⊞ Frame check sequence: 0x0a348121 [incorrect, should be 0x09615e51]
  ⊟ QoS Control
      Priority: 5 (Video) (Video)
      ...1 .... = EOSP: End of service period
      Ack Policy: Block Ack (0x03)
      TXOP Limit: 2
```

What does this frame reveal about the RF network in this area?

A. One station seems to be streaming video, thus may have reserved significant bandwidth via admission control

B. Contention Free is in place in this network, which may starve some non-QoS stations from access

C. Multipath or excessive collisions seem to be an issue in this area

D. The AP seems to be too far to provide enough coverage to this area

E. Stations are using null data frames as protection mechanisms to reserve the medium

F. The station that sent this frame is causing a DoS attack by using extended Duration values

Correct Answer: C

QUESTION 2

Which definition correctly describes the "local MAC" variation of the centralized WLAN architecture?

A. All MAC functions are performed by the AP. A minimal subset of network control is offloaded to the WLAN controller along with management and monitoring functions.

B. PHY functions are performed directly by the AP. MAC functions are divided almost equally between the WLAN controller and the AP, according to the time sensitivity of the feature or service.

C. The AP provides the RF termination point for the WLAN, but performs very few of the WLAN functions or services. The WLAN controller performs all MAC functions and the AP is very simple and lightweight.

D. All RF-, data-, and control-related WLAN functions are performed by the AP. APs coordinate network services with one another and are managed by a WNMS, so no WLAN controller is used in this architecture.

Correct Answer: A

QUESTION 3

According to WLAN security design best practices, what is true of the EAP properties shown in the exhibit?
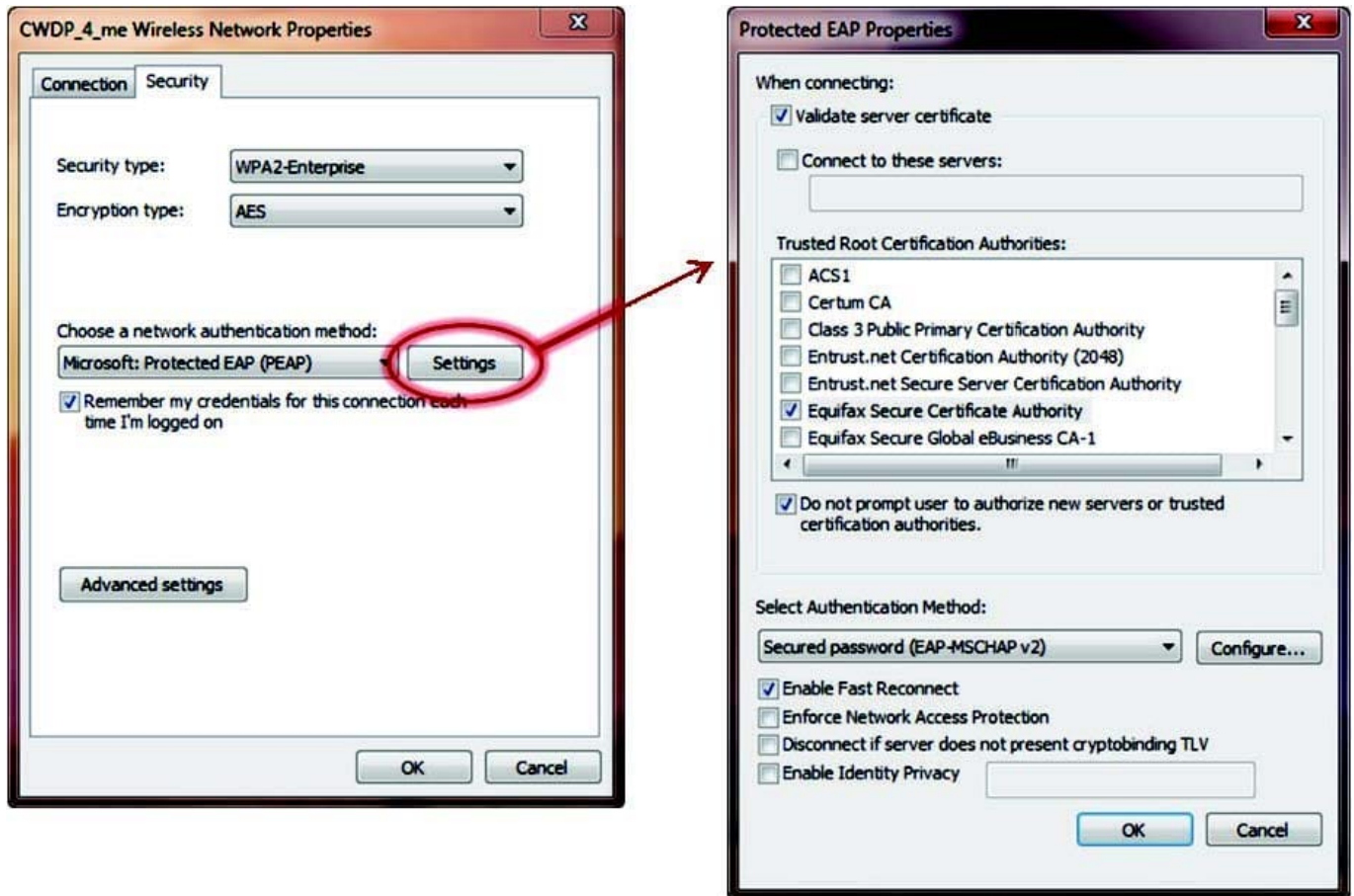
A. The "Validate server certificate" checkbox should be checked if you purchased a third-party SSL certificate for the AS, but left unchecked if you have a self-signed certificate for the AS.

B. The "Validate server certificate" checkbox should always be checked to prevent MITM attacks from rogue authentication servers.

C. The "Trusted Root Certification Authorities" list is provided to identify the certificate that the client should send to the AS for client authentication.

D. The "Do not prompt user to authorize new servers or trusted certification authorities" box should be checked only for administrative users.

E. The "Enable Identity Privacy" checkbox and anonymous name field are only useful for networks supporting EAP-LEAP.

Correct Answer: B

QUESTION 4

Excessive uplink RTP frame retransmissions can result in . (Choose 3)

A. Deauthentication of the transmitter by the receiver

B. Lowering of the data transmission rate by the transmitting station

C. MOS scores in excess of 5

D. Head-of-Line blocking at the receiver

E. Shortened battery life of a transmitting station

F. Increased jitter in a VoWiFi connection

Correct Answer: BEF

QUESTION 5

What is the DSCP Per Hop Behavior equivalent classification of the 802.11e AC_VO priority level?

A. AF31

B. CS3

C. VO

D. EF

E. AF12

Correct Answer: D