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QUESTION 1

Which statements regarding an IEEE 802.11 Channel Switch Announcement frame are true? (Choose 2)

- A. Channel Switch Announcement frames use the Action frame body format.
- B. Channel Switch Announcement frames are the only place where the Channel Switch Announcement element is found.
- C. Channel Switch Announcement frames are transmitted and retransmitted on a channel until all associated STAs successfully move to the new channel.
- D. Channel Switch Announcement elements may be carried in Beacon management frames.
- E. In an infrastructure BSS, Channel Switch Announcement frames may be transmitted by either the AP or an associated STA.

Correct Answer: AD

QUESTION 2

Which statements accurately describe IEEE 802.11 EDCA collision handling in a WMM-compliant infrastructure WLAN? (Choose 2)

- A. When frames collide within a QoS STA, data frames from lower priority ACs behave (as it relates to contention) as if there were an external collision on the wireless medium.
- B. Collisions between contending EDCAFs within a QoS STA are resolved within the QoS STA
- C. When a frame transmission on the wireless medium fails, the transmitter may not transmit another frame from any AC or to any destination until the frame experiencing a failure is successfully transmitted or the max retry count for that frame is reached.
- D. The WMM specification requires use of RTS/CTS as part of the EDCAF within each QoS STA to avoid internal collisions between ACs.
- E. After frames collide within a QoS STA and the lower priority AC subsequently gains a TXOP, the retry bit in the MAC header must be set to 1 to indicate a retry.

Correct Answer: AB

QUESTION 3

The Retry subfield is found in which IEEE 802.11 frame field?

- A. Sequence Control field
- B. Protocol Order field
- C. Data Control field

D. Frame Control field

E. MAC Service Data Unit field

F. QoS Control field

Correct Answer: D

QUESTION 4

Many access points support IEEE 802.1Q VLAN tagging. When analyzing a WLAN system using IEEE 802.1Q tags, where can the VLAN tag number be seen?

A. In the Sequence Control field of the MSDU

B. In the PLCP header's Service field

C. In the Frame Control field of the MPDU header

D. In the Ethernet header on the wired port of the access point

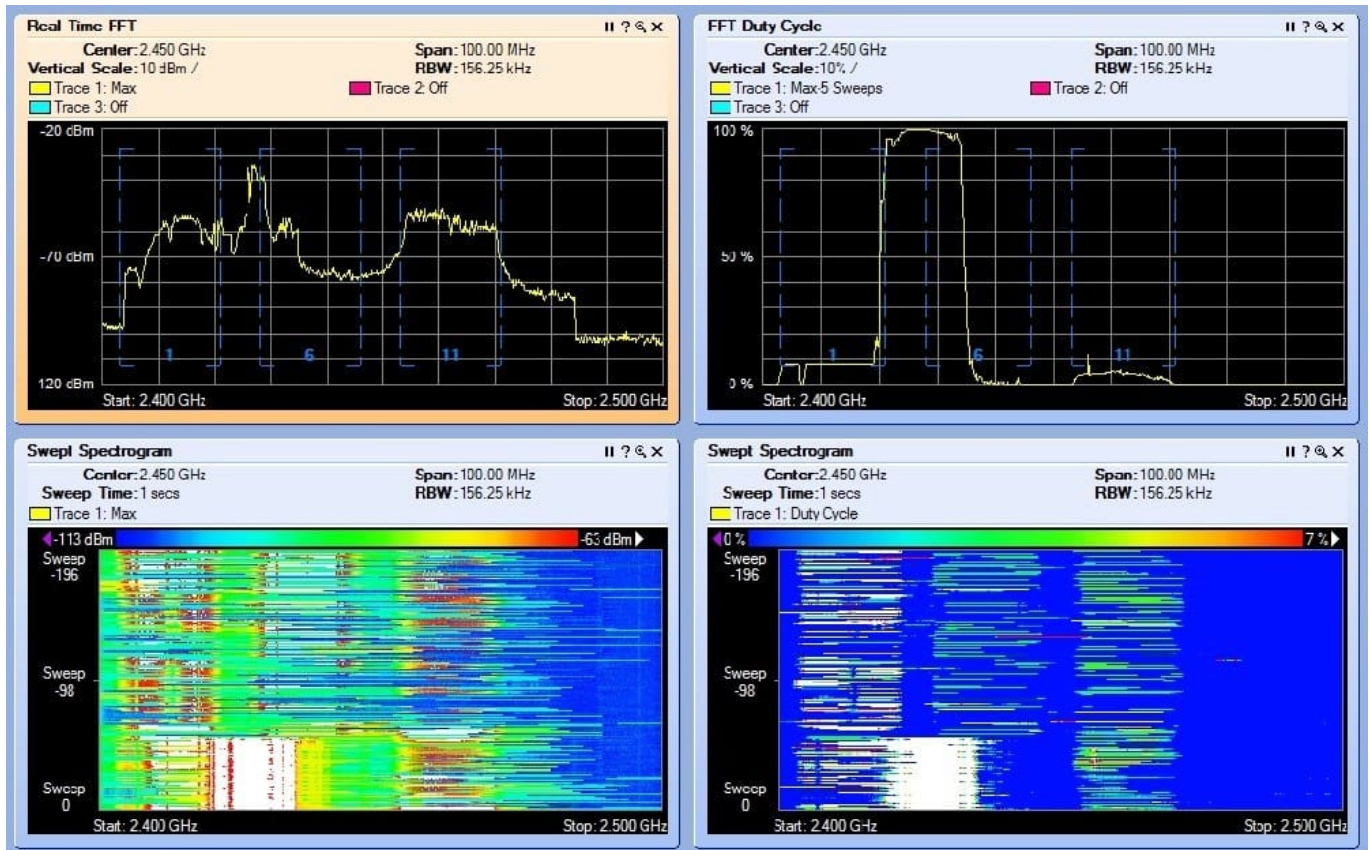
E. In the Beacon Management frame's Capabilities fixed field

Correct Answer: D

QUESTION 5

As shown in the exhibit, a spectrum analyzer has measured both 802.11 and non-802.11 RF transmissions in the 2.4 GHz band. The exhibit shows a continuous video transmitter near channel 5.

Based upon the exhibit,



what impact does the video transmitter have on WLAN operations throughout the band?

- A. The video transmitter is preventing WLAN operation on channel 6, and has only a minor impact on channels 1 and 11.
- B. The video transmitter has made no impact on WLAN operation in the band.
- C. The video transmitter is preventing all WLAN transmissions in the band.
- D. The video transmitter is preventing all WLAN transmissions on channel 6, and its impact on channels 1 and 11 is severe.

Correct Answer: A

QUESTION 6

As it relates to a spectrum analyzer, complete the following sentence.

The _____ plot always displays the percentage of time (shown on the Y axis) that the overall RF power is a certain specified threshold (of amplitude) above the noise floor for a given frequency range (shown on the X axis).

- A. Real-Time FFT
- B. Swept Spectrogram
- C. FFT Duty Cycle

D. Interferer Count

E. SNR

Correct Answer: C

QUESTION 7

Given the screenshot shown, Choose the statement that accurately describes what is being seen by this protocol analyzer.

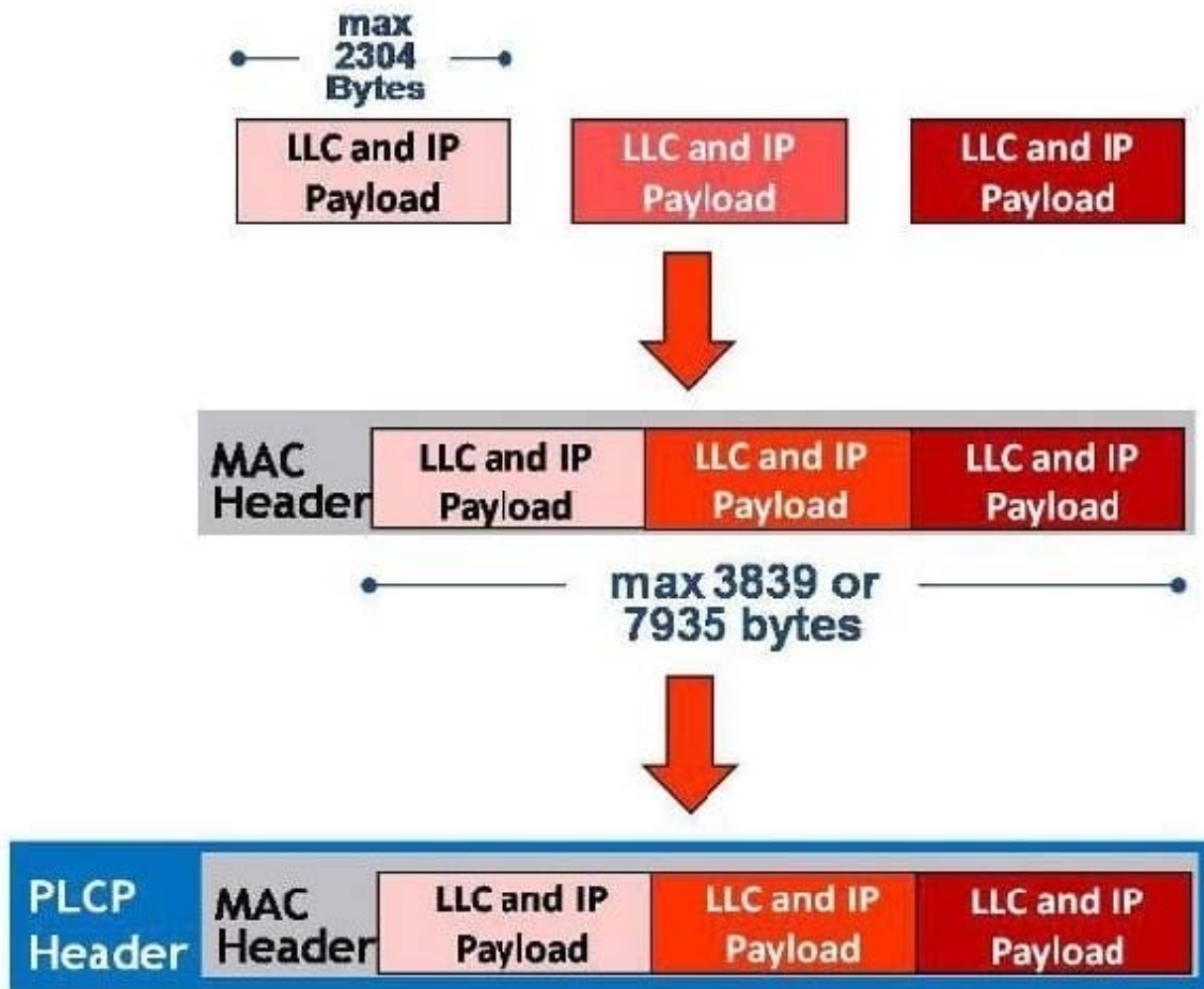
Packet	Source	Destination	BSSID	Channel	Delta Time	Protocol
1	00:09:5B:66:E6:08	FF:FF:FF:FF:FF:FF	9A:F8:65:66:E6:79	1		802.11 Beacon
2	00:09:5B:66:E6:09	FF:FF:FF:FF:FF:FF	9A:F8:65:66:E6:79	1	00.102382	802.11 Beacon
3	00:09:5D:66:E6:00	FF:FF:FF:FF:FF:FF	9A:F0:65:66:E6:79	1	00.102409	802.11 Beacon
4	00:09:5B:66:E6:08	FF:FF:FF:FF:FF:FF	9A:F8:65:66:E6:79	1	00.102412	802.11 Beacon
5	00:09:5B:66:E6:08	FF:FF:FF:FF:FF:FF	9A:F8:65:66:E6:79	1	00.102968	802.11 Beacon
6	00:09:5B:66:E6:09	FF:FF:FF:FF:FF:FF	9A:F8:65:66:E6:79	1	00.102303	802.11 Beacon
7	00:09:5B:66:E6:08	FF:FF:FF:FF:FF:FF	9A:F8:65:66:E6:79	1	00.102566	802.11 Beacon
8	00:09:5B:66:E6:08	FF:FF:FF:FF:FF:FF	9A:F8:65:66:E6:79	1	00.102249	802.11 Beacon
9	00:09:5B:66:E6:80	FF:FF:FF:FF:FF:FF	9A:F8:65:66:E6:79	1	00.102032	802.11 Beacon
10	00:09:5B:66:E6:08	FF:FF:FF:FF:FF:FF	9A:F8:65:66:E6:79	1	00.102323	802.11 Beacon
11	00:09:5B:66:E6:09	FF:FF:FF:FF:FF:FF	9A:F8:65:66:E6:79	1	00.102686	802.11 Beacon
12	00:09:5B:66:E6:80	FF:FF:FF:FF:FF:FF	9A:F8:65:66:E6:79	1	00.102755	802.11 Beacon
13	00:09:5B:66:E6:09	FF:FF:FF:FF:FF:FF	9A:F8:65:66:E6:79	1	00.101824	802.11 Beacon
14	00:09:5B:66:E6:08	FF:FF:FF:FF:FF:FF	9A:F8:65:66:E6:79	1	00.102428	802.11 Beacon

- A. Three access points are on the same channel in the same physical area.
- B. A Single Channel Architecture (SCA) WLAN solution has three WLAN profiles configured
- C. One access point is using the 802.11 round robin Beacon feature.
- D. Three wireless stations are participating in an Ad Hoc WLAN.

Correct Answer: D

QUESTION 8

What IEEE 802.11 technology is illustrated by the exhibit?



- A. Fragmentation
- B. TCP Fragment Bursting
- C. A-MSDU
- D. A-MPDU
- E. U-APSD
- F. Jumbo frames

Correct Answer: C

QUESTION 9

When 802.11 standard compliant AES-CCMP security is being used with IPSec/ESP for layered security, what will a WLAN protocol analyzer see as the security mechanism in use when a user browses to an HTTPS secured web page?

- A. AES-CCMP
- B. IPSec/ESP

C. SSLv3

D. AES-CCMP and IPSec/ESP

E. AES-CCMP, IPSec/ESP, AND SSLv3

Correct Answer: A

QUESTION 10

Which statements are true regarding frame acknowledgement in an IEEE 802.11 WLAN? (Choose 3)

A. Following non-QoS Data frames with the More Fragments bit set to 1, the Duration/ID field of the ACK frame is set to a value equal to two SIFS plus the next Data fragment and its ACK.

B. A client station's Reassociation Request frames are only acknowledged with a Reassociation Response from the access point and not with an ACK frame.

C. Probe request acknowledgement (sending of a Probe Response frame) is configurable in the access point and is always linked to SSID broadcast configuration in Beacons.

D. In an EDCA BSS, encrypted Data frames are only acknowledged by client stations, never by access points.

E. Data frame fragments are acknowledged individually (with an ACK frame).

F. The RA field of ACK frames is always obtained from the Address 2 field in the corresponding frame being acknowledged.

Correct Answer: AEF

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