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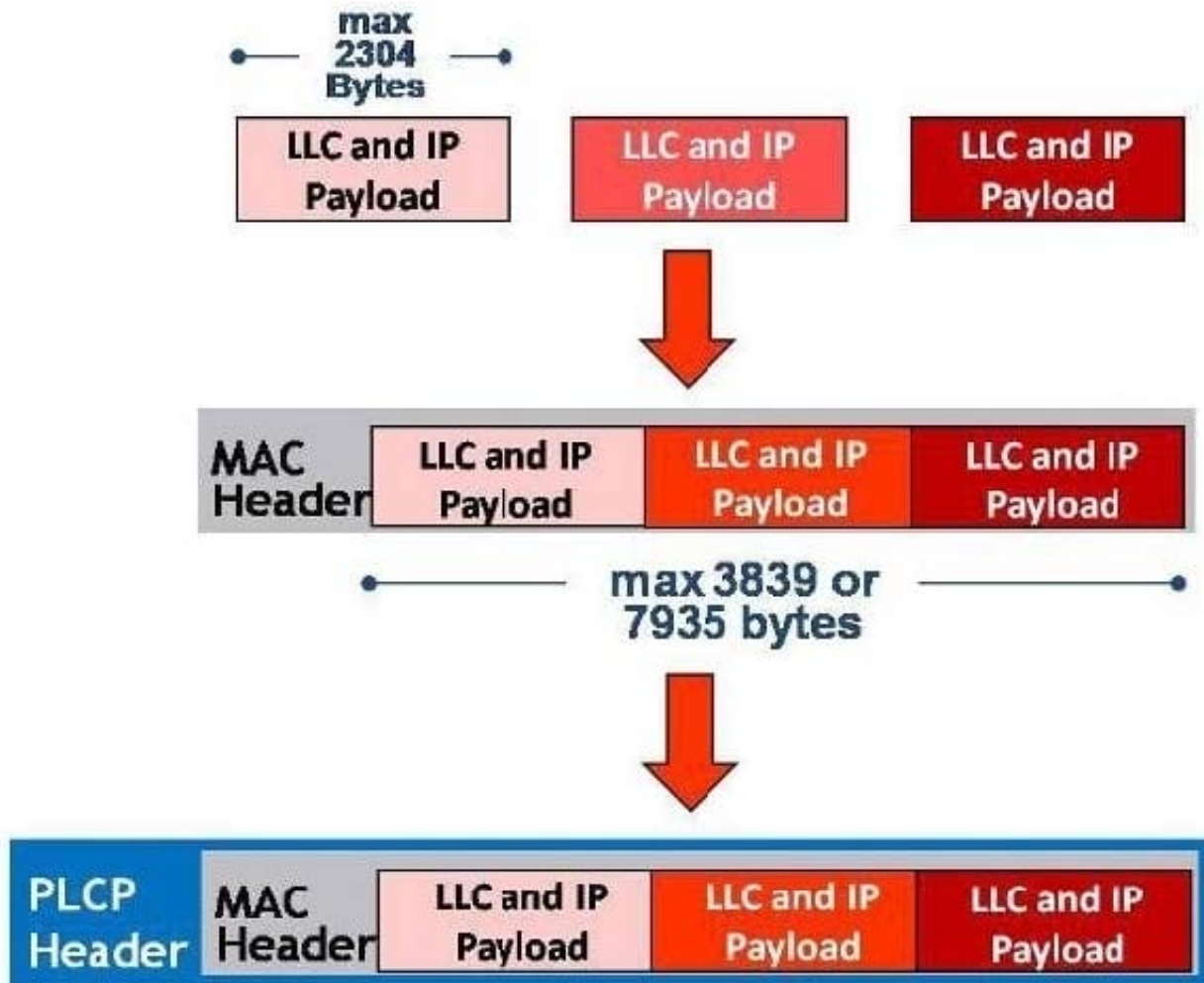
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QUESTION 1

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 2

Shown is a screenshot of a wireless protocol analyzer displaying the decode information for a single 802.11 encrypted data + CF-Poll frame. The infrastructure BSS on which this information was captured is using WEP and this particular frame was sent from a client station (STA) to an access point (AP).

No	Ch	Len	S	R	Source	Dest	Summary
162	6	64	75	11	Askey:5C:D7:D3	Symbol:42:16:8C	802.11 encrypted data + CF-Poll

```

network media info
- timestamp : 2/8 20:06:57.113562
- signal strength : 75% (-50 dBm)
- noise level : 0% (-95 dBm)
- frame length : 64
- data rate : 11 mbps
- channel : 6
- CRC error : yes

802.11 MAC header
- frame control
  - protocol version : 2
  - frame type : data
  - subtype : data + CF-Poll
  - to DS : 0
  - from DS : 0
  - more frag : 0
  - retry : 0
  - power management : 0
  - more data : 0
  - WEP : 1
  - order : 0
- duration : 117 usec
- dest addr : 00:A0:F8:A2:16:8C
- src addr : 00:90:96:5C:D7:D3
- bssid : FF:FF:55:DA:CF:FE
- frag number : 0
- seq number : 1018

802.11 encrypted frame body
  
```

As a protocol analyst, how would you explain the existence of this frame on the wireless medium given the information in the decode?

- A. The IEEE 802.11 network is using both version 1 and version 2 protocols simultaneously. This unexpected frame is from the version 2 protocol set.
- B. The frame was sent by a client station that does not comply with IEEE HR/DSSS standard to an access point that is Wi-Fi certified.
- C. The access point is operating as a repeater, and clients must poll repeater access points in order to transmit data frames through them.
- D. The frame was misinterpreted because of insufficient information received by the analyzer due to frame corruption.

Correct Answer: D

QUESTION 3

The IEEE 802.11 Dynamic Frequency Selection (DFS) service is capable of performing what functions? (Choose 2)

- A. Establishing an interference baseline on all 2.4 GHz channels
- B. Using modulation switching techniques to avoid interfering with radar systems
- C. Testing channels for radar before using a channel and while operating in a channel
- D. Suspending operations on a channel with high IEEE 802.11 co-channel interference
- E. Requesting and reporting of measurements in the current and other channels

Correct Answer: CE

QUESTION 4

Given the IEEE 802.11 Beacon frame decode shown,

```
network media info
  timestamp : 5/18 18:37:04.398113
  signal strength : 43% (-69 dBm)
  noise level : 0% (-95 dBm)
  frame length : 122
  data rate : 2 mbps
  channel : 3
  CRC error : no
802.11 MAC header
  frame control
    duration : 0 usec
    des: addr : FF:FF:FF:FF:FF:FF
    src addr : 00:0D:ED:A5:4F:70
    bssid : 00:0D:ED:A5:4F:70
    frag number : 0
    seq number : 1444
802.11 frame body
  timestamp : 30B1BFA1:02000000
  beacon interval : 100 TU(s)
  capability info
  info : SSID (0)
  info : supported rates (1)
  info : DS param set (3)
    length : 1
    current channel : 1
  info : TIM (5)
  info : ERP information (42)
    length : 1
    Non-ERP station present : yes
    Use protection : yes
```

determine which statement is definitively true.

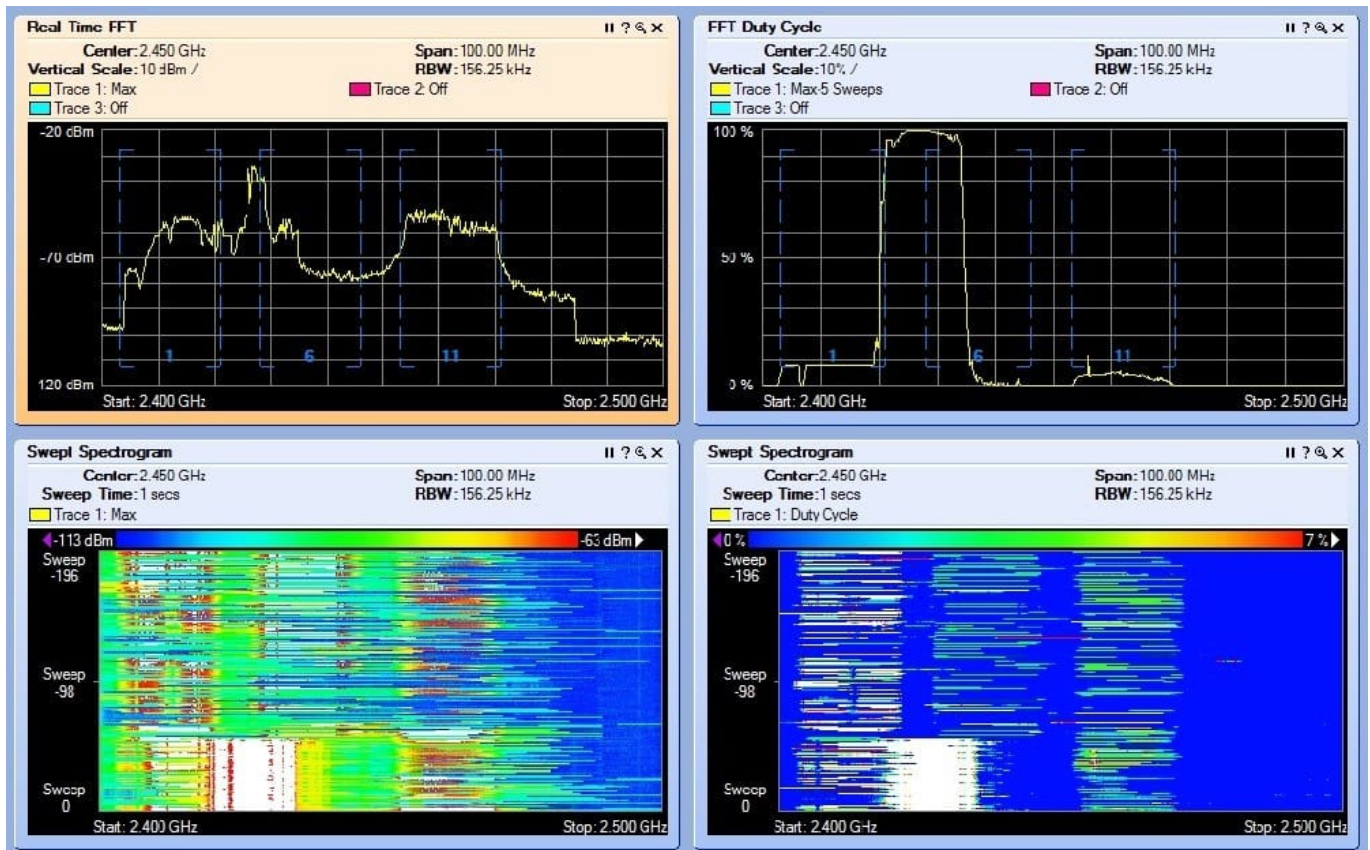
- A. The access point is operating on channel 3.
- B. The access point has both 1 Mbps and 2 Mbps configured as basic rates.
- C. This Beacon frame came from an ERP or HT access point.
- D. The SSID value in this Beacon is null.
- E. ERP mobile stations must use the RTS/CTS protocol before Data transmissions.

Correct Answer: C

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

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