

**1K0-002**

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**CVE-2**

**Version 3.1**

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## 1K0-002

### QUESTION NO: 1

Videoconferencing over IP End Point Systems must use signalling to establish a media channel conference Call Setup. Call Operations are part of what Standard?

- A. LAP / B
- B. LAP / D
- C. H.225/Q.921
- D. H.225/Q.931
- E. H.225/H.261

**Answer: D**

### QUESTION NO: 2

What does Automatic Gain Control (AGC) do?

- A. It turns down the volume to the far-end microphone.
- B. It turns up the volume to the far-end microphone.
- C. It builds the volume to the near-end microphone.
- D. It selects among multiple microphones.

**Answer: C**

### QUESTION NO: 3

True or False?

- A. True
- B. False

**Answer: B**

### QUESTION NO: 4

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Which of the following correctly describes reverberation and echo?

- A. Reverberation is long, distinct, acoustic reflections.
- B. Reverberation is irrelevant to conferencing audio.
- C. Echo is a coherent, distinct carry-on of sound.
- D. Echo is short, diffuse, acoustic reflections that linger after the original sound has stopped.
- E. Reverberation is an incoherent, diffuse, carry-on of sound

**Answer:** C,E

**QUESTION NO: 5**

Which audio coding uses a transport speed 16 kilobits per second?

- A. G.722
- B. G.728
- C. G.722.1
- D. G.711
- E. G.729

**Answer:** B

**QUESTION NO: 6**

Which of the following accurately describes room gain as it applies to acoustic echo cancellation?

- A. Relative sensitivity of the microphones expressed in dB versus the same microphone in a "free field" environment
- B. Relative perceived loudness of a person speaking in a given room versus the same person speaking in an anechoic chamber
- C. Ratio of loudness of the participants voices versus the loudspeaker volume arriving at the microphone
- D. Measure of amplifier power driving the loudspeakers in a given conference room

**Answer:** C

**QUESTION NO: 7**

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Which of the following correctly describes typical audio phantom power?

- A. 12 volts DC applied to the tip and ring of a TRS connector used to power amplified headphones
- B. A DC voltage applied to pins 2 and 3 of an XLR connector returning through pin 1, used to power microphones
- C. A DC voltage applied to the center pin of an RCA type connector used to power remote pre-amplifiers
- D. 48 volts DC applied to a telephone circuit center pair used to provide power to the telephone set

**Answer: B**

**QUESTION NO: 8**

Which ISDN Bearer Service is used for Video Conferencing?

- A. Circuit Switched Data
- B. Circuit Switched Video
- C. Low Speed Packet Switching
- D. Circuit Switched Voice
- E. High Speed Packet Switching

**Answer: A**

**QUESTION NO: 9**

Which video coding is currently supported by H.320?

- A. H.261 and H.263 only
- B. H.263 only
- C. H.261, H.263 and H.264
- D. H.262 only
- E. H.261 only

**Answer: C**

**QUESTION NO: 10**

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Which of the following functions can NOT be performed by a microphone mixer?

- A. Provide phantom power to microphones.
- B. Provide a means to adjust the relative gain of different microphones.
- C. Provide gain to convert mic-level signals to line-level signals.
- D. Provide a means to adjust the video display brightness.
- E. Provide a means to adjust the room acoustics

**Answer:** D,E

### QUESTION NO: 11

The H.323 Media Gateways require H.323 Terminals, which wish to make calls through the Gateway to ISDN sites, to

- A. perform a test with the other H.323 Terminals first.
- B. be registered with the Gatekeeper first.
- C. be using a Gatekeeper Prefix defined on the End Point.
- D. be using a Gateway Prefix registered on an Active Gatekeeper.
- E. be registered with the MCU first.
- F. call the Network administrator first.

**Answer:** D

### QUESTION NO: 12

Videoconference rate of a H.323 IP Call requires the packet examination of which of the following?

- A. Gatekeeper Registration Request
- B. UDP Header
- C. Packet Payload
- D. IP Header
- E. TCP Layer
- F. Medium Access Control Layer
- G. RTP Header

**Answer:** C

**QUESTION NO: 13**

Local Area Network Metallic Interfaces are

- A. C and D
- B. connectionless oriented connectivity, shared network that serves limited distances.
- C. connection oriented, point to point connectivity only.
- D. connectionless oriented connectivity, shared network that serves unlimited distances.
- E. All of the other alternatives apply.
- F. unshared network that serves unlimited endpoints.

**Answer: B**

**QUESTION NO: 14**

If a Y/C cable is plugged in and the result is a black and white video, which signal is not being seen?

- A. Chrominance signal
- B. Red, Green, and Blue signal
- C. Super VHS sync signal
- D. Luminance signal

**Answer: A**

**QUESTION NO: 15**

The H.225 describes a reliable transport for which two video conferencing requirements?

- A. Data (T.120) Packets
- B. Call Signaling Packets
- C. Audio Packets
- D. RAS Signaling Packets
- E. Video Packets

**Answer: A,B**

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**QUESTION NO: 16**

Where is the G.711 A-law used?

- A. ATM Networks
- B. T1 Networks
- C. T3 Networks
- D. E1 Networks

**Answer: D**

**QUESTION NO: 17**

When configuring VTCs and MCUs to Statically configured IP networks what three settings would need to be provided for the system parameters?

- A. IP Date and Time Clock
- B. IP Network Provider Name
- C. IP Network Speed in Packets per second
- D. IP Mask
- E. Default Gateway (Router)
- F. Domain Name Settings
- G. IP Network Speed in Bytes per second
- H. IP Address

**Answer: D,E,H**

**QUESTION NO: 18**

What effect does the zoom function have relative to the camera's field of view?

- A. It can either widen or narrow the field at full zoom.
- B. It narrows the field at full zoom.
- C. It widens the field at full zoom.
- D. It has no effect on the field of view.

**Answer: B**

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### QUESTION NO: 19

Which of the following correctly describe the role room acoustics play regarding acoustic echo cancellation?

- A. Hard room surfaces act as reflectors for sound, causing multiple acoustic paths from loudspeaker to microphone.
- B. Fans, heaters, and air conditioners add background noise to the room, changing the room acoustic paths.
- C. Heavy drapes and acoustic absorbers remove acoustic paths and therefore cause problems for acoustic echo cancellers.
- D. People moving around in a room change the acoustic paths presented to a microphone.

**Answer:** A,D

### QUESTION NO: 20

MCU is the acronym for which of the following?

- A. Multipoint Control Unit
- B. Multipoint Capabilities and Unidirectional
- C. Management Conferencing Union
- D. Management Control Unit

**Answer:** A

### QUESTION NO: 21

Which of the following are the two most correct definitions of ISDN reference points?

- A. S/T Reference point is between the Network Termination and the Network Exchange Equipment
- B. S/T Reference point is between ISDN Terminal Equipment and the Network Termination
- C. U Reference point is between the Network Termination and the Network Exchange Equipment
- D. U Reference point is between the ISDN terminal and the network termination

**Answer:** B,C



**QUESTION NO: 22**

The H.264 supports which of the following frame rates?

- A. 30, 10 only
- B. 30, 15, 12, 7.5 only
- C. 30, 15, 10, 7.5, 6, 5, 4, 3, 2, and 1
- D. 30, 10, 7.5, 6 only

**Answer: C**

**QUESTION NO: 23**

MPEG4 Part 10 (H.264) coder requires what network data rate to sustain full motion video at SIF resolution?

- A. More than 10,000 kilobits per second
- B. More than 3,000 kilobits per second
- C. Less than 1 kilobit per second
- D. Less than 384 kilobits per second

**Answer: D**

**QUESTION NO: 24**

The G.723.1 uses which bit rates?

- A. 8 and 16 kilobytes per second
- B. 5.3 and 6.3 kilobytes per second
- C. 5.3 and 6.3 kilobits per second
- D. 12 and 24 kilobits per second
- E. 8 and 16 kilobits per second

**Answer: C**

**1K0-002****QUESTION NO: 25**

Browsing sites and Managing Multipoint Conferences from the Video End Point is part of which standard?

- A. H.233
- B. H.243
- C. H.234
- D. H.242
- E. H.281

**Answer: B**

**QUESTION NO: 26**

Network Address Translation works in which OSI Layer?

- A. Layer 4
- B. Layer 3
- C. Layer 5
- D. None of the other alternatives apply.

**Answer: B**

**QUESTION NO: 27**

SIF resolution is

- A. 144 lines.
- B. 240 lines.
- C. 96 lines.
- D. 288 lines.
- E. 480 lines.

**Answer: B**

**QUESTION NO: 28**