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HPE0-V31

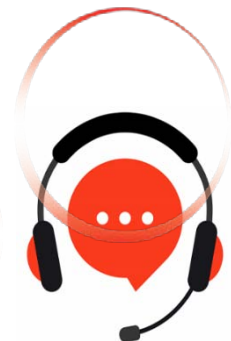
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Question: 1

New AV switching will be installed into an existing rack that already carries the switching for the building's current AV system, which is in daily use. The work requires re-dressing cabling around the live equipment.

Which readiness condition most needs to be agreed with the client before the visit?

- A. Whether the rack's cable management can absorb the additional AV cabling being introduced
- B. Whether the rack's power distribution has free outlets of the type the new switching needs
- C. When the existing AV system may be interrupted, since streams in progress will drop the moment its path is disturbed
- D. The rack unit positions available for the new switching, and the fixings needed to mount it

Answer: C

Question: 2

Validation confirms that a deployed AV system meets every stated design requirement. During the validation period, staff report that they cannot join a room's stream from their own desks, which they had expected to do. No design requirement mentions desk access.

What is the correct handling of this finding?

- A. Treat the validation as incomplete, since a genuine client expectation is not being met
- B. Extend the system so that desk access is available before the validation is signed off
- C. Record it as a defect against needs analysis, since the requirement should have been captured there
- D. Record the system as validated and raise the gap as an unmet expectation for the client

Answer: D

Question: 3

After a second switch is added to an AV segment, receivers in some rooms lose their streams while others are unaffected. Both switches are configured to solicit group membership on that segment. What should be examined first?

- A. Whether the two switches have been assigned overlapping address ranges for the AV segment
- B. Which of the two switches holds that role for the segment
- C. Whether the new switch has selective forwarding enabled

D. Whether the link between the switches carries the AV segment, since receivers cannot otherwise reach the source

Answer: B

Question: 4

Eight receivers are subscribed to the same encoder. Seven display the stream correctly. The eighth shows nothing, though it is reachable, appears in the control platform and reports itself subscribed. Which explanation is most consistent with these observations?

- A. The eighth receiver is subscribed to a different stream from the one the other seven receive
- B. The eighth receiver's display is not selected to the correct input, so the stream is not shown
- C. The stream is not being forwarded to that receiver's port at all
- D. The encoder is refusing an eighth simultaneous receiver

Answer: C

Question: 5

Before deploying AV endpoints onto a client's existing network, an integrator is told by the client's IT team that the network is "ready".

What is the most useful way to convert that statement into a readiness verification?

- A. Request the switch configurations and review them against the design before connecting any endpoint
- B. Test that a representative endpoint obtains addressing, reaches its peers and passes traffic
- C. Measure current utilization on the uplinks the AV traffic will use, to confirm capacity remains
- D. Ask the IT team to confirm in writing which elements of the design they have implemented

Answer: B

Question: 6

A design document separates the hardware network topology from the software network topology. Which item belongs in the software topology?

- A. The power budget available on each switch for endpoints drawing power over the cabling
- B. The transceiver types fitted at each end of the fiber runs between distribution points
- C. The number of switches required per floor, and the uplink speed connecting them to the core
- D. The segmentation scheme, addressing plan and traffic-handling policy applied to the infrastructure

Answer: D

Question: 7

Closeout training must be delivered to three groups: departmental managers who authorized the system, staff who will use the rooms daily, and the internal help desk that will respond to problems. What should differ between the three sessions?

- A. The length, with the help desk receiving the longest session and the managers the shortest
- B. The delivery method, with hands-on sessions for users and documentation for the other groups
- C. The depth and subject matter, since each group acts on the system differently
- D. The rooms used, so each group is trained in the spaces they are most likely to encounter

Answer: C

Question: 8

In a stakeholder workshop a client describes how a room will be used: "Our trainers stand at the front, and remote participants ask questions and get answered in real time, back and forth."

Which functional requirement does this use expectation most directly generate for the AV network design?

- A. An end-to-end latency budget low enough to sustain interactive conversation with remote participants
- B. A quality-of-service policy giving the training room's traffic priority over other building traffic
- C. A bandwidth allocation sufficient to carry high-resolution video to all remote participants simultaneously
- D. A redundant network path, so that a link failure does not interrupt a training session in progress

Answer: A

Question: 9

An AV design places endpoints at specific positions in each room — a camera at the rear, a display feed at the front, a table connection at the centre. The integrator is checking site readiness before deployment week.

Which condition most needs to be confirmed in each room?

- A. That the room contains enough outlets in total for the number of endpoints planned
- B. That a live outlet exists at each designed position and terminates on the intended switch
- C. That the room's outlets have been certified to the performance class the endpoints need
- D. That the room's outlets are labelled to match the identifiers used in the AV design

Answer: B

Question: 10

The identification and communication of risks and vulnerabilities based on the deployed design is a closeout activity.

Why is it positioned at closeout rather than at design?

- A. Because it concerns the system as actually deployed rather than as designed
- B. Because the client assumes responsibility at closeout and must know what they are accepting
- C. Because the client is more receptive to a risk discussion once the system is working
- D. Because risks cannot be assessed until the system has been verified against its requirements

Answer: A

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