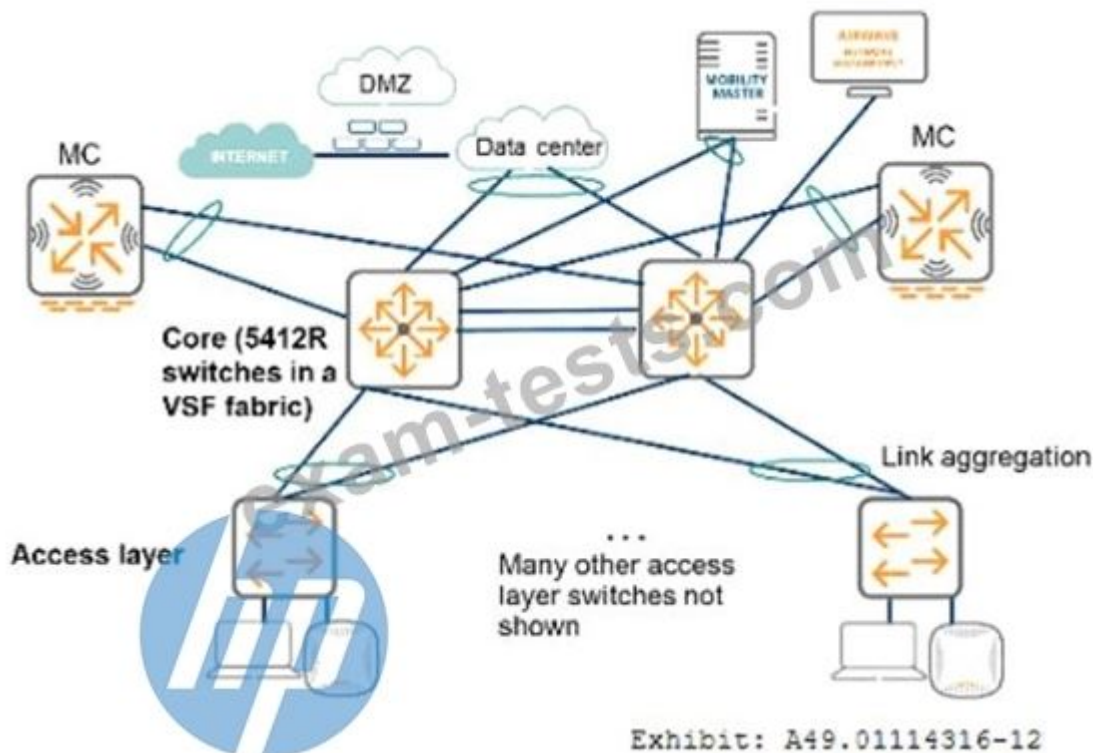


HP.HPE6-A80.v2024-03-04.q20

Exam Code:	HPE6-A80
Exam Name:	Aruba Certified Design Expert Written Exam
Certification Provider:	HP
Free Question Number:	20
Version:	v2024-03-04
# of views:	564
# of Questions views:	200
https://www.exam-tests.com/HPE6-A80-exam/HP.HPE6-A80.v2024-03-04.q20.html	

NEW QUESTION: 1

Refer to the exhibit.



The exhibit shows the design for an existing network. The customer intends to replace the current Core switches with two Aruba 8400 switches.

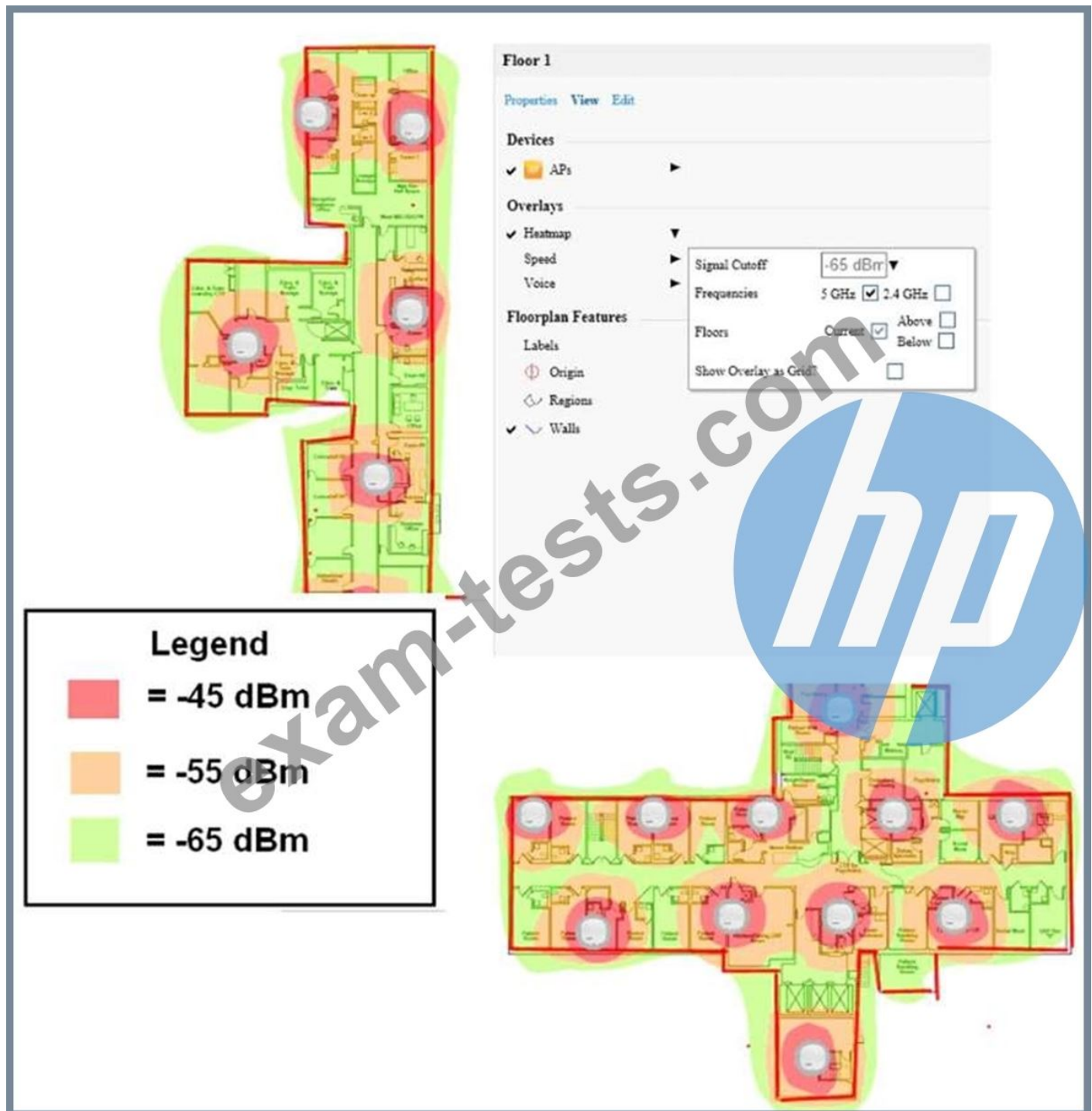
What are two points that the architect should ensure that the customer understands? (Select two.)

- A. The 8400 switches run different software than the 5400R switches.
- B. The 8400 switches are fixed port switches.
- C. The 8400 switches do not support VSF.
- D. The 8400 switches have a smaller ARP table than the 5400R switches.
- E. The 8400 switches cannot be monitored by AirWave.

Answer: A,D (LEAVE A REPLY)

NEW QUESTION: 2

Refer to the exhibit.



A hospital needs an upgrade to 802.11ax for its wireless network. The wireless network supports:

- * wireless medical devices
- * medical staff voice communicators
- * laptops in nurse stations
- * medical staff tablets
- * visitor and patient personal devices.

All of these devices support both the 2.4 GHz and 5 GHz band. Assuming about a max throughput of 50 Mbps per AP; the hospital would like. The architect has used VisualRF to plan the AP

placement on one of the floors, which the hospital expects will need to support about 800 users to deploy APS in stairwells between floors.

How well does the plan meet the requirements?

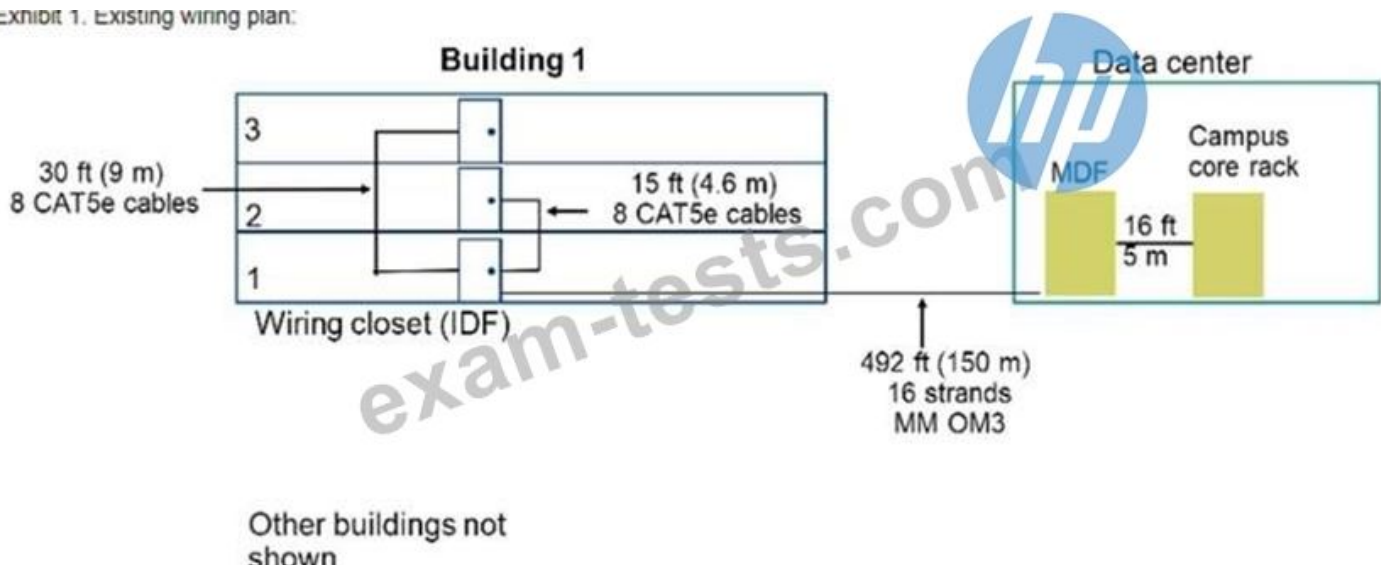
- A.** The current AP placement meets the customer requirements in terms of coverage and capacity.
- B.** The current AP placement fails to account for the lead-lined walls that are common in patient and exam rooms.
- C.** The current AP placement fails to provide adequate signal for the voice communicators in several areas.
- D.** The current AP placement meets coverage requirements, but does not meet capacity requirements.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 3

Refer to exhibit.

Exhibit 1. Existing wiring plan:



A customer has a building that needs a switch upgrade. The customer would like at least 20Gbps for the uplink bandwidth out of each closet. The building wiring plan is shown in Exhibit 1. The customer will not consider any cabling upgrades at this point. The current proposal is shown in Exhibit 2.

Which correction must the architect make to the proposal to meet the customer requirements?

- A.** Add an aggregation layer, and connect wiring closet switches to the aggregation layer on Smart Rate ports.
- B.** Add an aggregation layer, and connect wiring closet switches to the aggregation layer with SFP+- SR transceivers.
- C.** Add a mode conditioning cable for each link between the wiring closet switches and the network core.
- D.** Change the SR transceivers for each link between the wiring closet switches and the network core to LRM transceivers.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 4

Which scenario indicates the need for a wireless mesh?

- A.** A hospital needs to provide high availability for wireless services in certain areas which support very critical wireless medical devices. Devices must always be in range of at least two APs.
- B.** A company has a small branch office with just one RAP. The company has noticed that performance is poor in some areas of the network and wants to add another AP.
- C.** A company needs to provide seamless roaming and wireless access between two buildings. The buildings are about 60 feet (18 m) apart.
- D.** A historical building has some wired areas and a few areas with no wired or wireless connectivity, walls and ceilings have asbestos. The company needs wireless access across the site.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 5

A customer has an Aruba wireless network, which includes two MC 7205s and an MM at the network core. The company now wants to accommodate 50 mobile trainers. These trainers travel around the world and run training events. The trainers often need to access materials in the company data center, but cannot reach materials when they are on the road.

The company wants to give the mobile workforce a secure way to reach the materials they need no matter where they are.

including in public spaces like the hotels where they often lease. The customer also requires that the solution be as cost effective as possible while meeting the requirements.

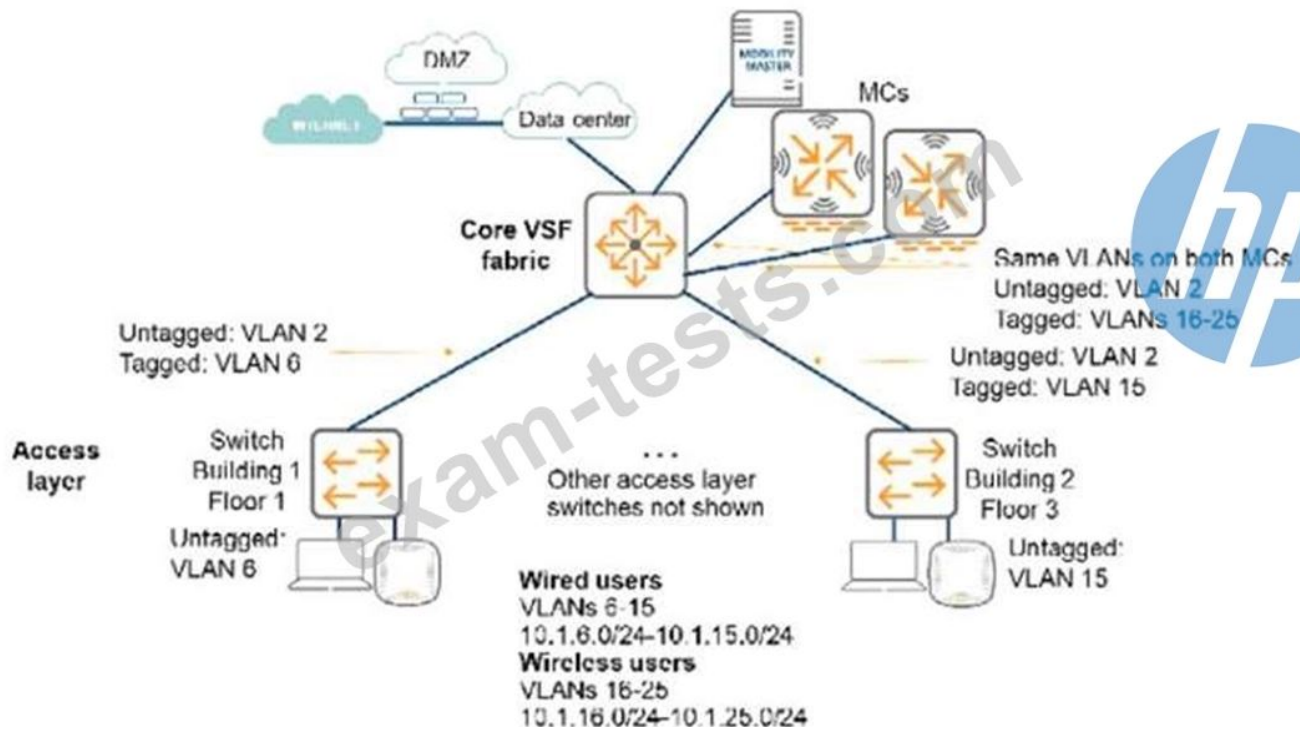
Which plan meets the needs of the mobile Trainers?

- A.** Add 50 RAPs; add 50 Enterprise licenses to the MM, and add two 7205 MCs in the DMZ.
- B.** Add 50 PEFV licenses to the MM, and add an additional 7205 MC to the core.
- C.** Add 50 RAPs; add 50 Enterprise licenses and 50 VIA licenses to the MM
- D.** Add 50 VIA licenses to the MM, and deploy two 7205 MCs in the DMZ.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 6

Refer to the exhibit.



A customer needs a wireless network upgrade and has these requirements.

- Support any applications used on a wired connection
- Support up to 2500 wireless clients
- Support seamless roaming from floor to floor and building to building
- Continue to function seamlessly if one controller fails

The architect has designed the logical infrastructure for the network as shown in the exhibit Which change should the architect make to better meet customer requirements and best practices?

- Combine the /25 subnets for wireless and wired users into a /16 subnet.
- Install additional Mobility Controller.
- Place each controller in a different VLAN and subnet.
- Combine the /25 subnets for wireless users into a /20 subnet

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 7

A retailer wants to add a wireless network to its stores to provide guest access. The store has wired POS systems which the customer will now replace with wireless systems.

What is one Important security action that the wireless solution supports to comply with PCI DSS?

- Impose mandatory clean up periods to delete records of user access to controllers
- Implement TKIP encryption on the wireless network used by POS devices.
- Use test-practice, factory default settings for security settings and login credentials.
- Enforce role-based access control on administrators who access controllers

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 8

A customer has a large network, which includes a main site and many branch sites. The network has a total of about 10,000 wireless devices at the main site and 15,000 wireless devices total at branches.

To fulfill the requirements for a wireless network upgrade, the architect plans to propose;

- * 2 7205 MCs at the main site
- * 2 7210 MCs at the main site
- * 10 7030 MCs at branch sites
- * 200 RAPs at branch sites
- * 500 CAPS at the main site
- * 300 CAPS at branch sites

What is the most cost-effective Mobility Master solution that meets the requirements'?

- A. MM-HW-5K appliance
- B. MM-HW-10K appliance
- C. MM-HW-5K appliance + MM-HW-5k appliance
- D. MM-HW-1K appliance

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 9

A customer needs an AP for an indoor lecture hall that is about 82 feet (25 m) by 32 feet (25 m) and has 300 seats. The ceiling height is 15 feet. The expected take rate is 100 percent.

The network needs to support the student laptops, which all support 802.11ac and some support 802.11ax standard.

The customer would like to obtain as many usable cells as possible with as few APs as possible. Which of these APs meets the requirements?

- A. AP-S15
- B. AP-335
- C. AP-535
- D. AP-345

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 10

What is one benefit that Airwave provides to customers in the 8.x OS network?

- A. in-depth analytics of mobile device presence and APIs to make this data available to other applications
- B. ability to monitor the status and operation of the complete network over time
- C. a central UI from which to manage all of the Mobility Controllers (MCs)
- D. profiling of wired and wireless client behavior and detection when the behavior varies from the baseline

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 11

[illegible]

- * loss of one controller with stateful failover and without impact on wireless client connectivity
- * loss of one core switch without loss of connectivity for any endpoints or APs in the building
- * loss of any one switch-to-switch or MC-to-switch link without loss of connectivity for any endpoints or APS in the building and with minimal impact on infrastructure functionality
- * loss of any one access switch with minimal impact to wireless client connectivity

The exhibit shows the current plan for the topology.

- A.** Use two 40GBE DACs between the core V3X switches for their switch links.
- B.** Change the 40GbE DAC on the 8400 switch to a stacking cable with stacking module.
- C.** Add VLANs 11 and 15 to the MC connections to ensure both MCS can manage any of the APS.
- D.** Add 120 additional AP licenses, so that each MC can support all the APs, even if the other MC fails.

NEW QUESTION: 12

What is one requirement for the new solution that justifies this recommendation?

A. the requirement to support smart Rate at the access layer

- B. the requirement to support tunneled-node at the access layer
- C. the requirement to support secure IPsec tunneling at the aggregation layer
- D. the requirement to support larger ARP tables at the aggregation layer

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 13

Refer to the exhibit.

Quotation - Composite View

Line#	Part Number	Description	Manufacturer
1.00	JW736A	Aruba 7205 (US) 2-port 10GBASE-X (SFP+) Controller	Hewlett Packard Enter...
1.01	H3CW3E	Aruba 1Y FC NBD Exch 7205 Controller SVC [for JW736A]	Hewlett Packard Enter...
1.02	JW091A	SFP-10GE-SR 10GBASE-SR SFP+ 850nm Pluggable LC Conn...	Hewlett Packard Enter...
2.00	JL323A	Aruba 2930M 40G 8 Smart Rate PoE+ 1-port Switch	Hewlett Packard Enter...
2.01	HT6U1E	HPE 3Y FC 4H Exch Aruba2930MSRPOE SVC [for JL323A]	Hewlett Packard Enter...
2.02	JL086A	Aruba X372 54VDC 680W Power Supply	Hewlett Packard Enter...
2.03	JL086A ABA	INCLUDED: Power Cord - U.S. localization	Hewlett Packard Enter...
2.04	JL325A	Aruba 2930 2-port Stacking Module	Hewlett Packard Enter...
2.05	JL083A	Aruba 3810M/2930M 4SFP+ MACsec Module	Hewlett Packard Enter...
2.06	J9150D	Aruba 10G SFP+ LC SR 300m MMF Transceiver	Hewlett Packard Enter...
3.00	J9821A	Aruba 5406R zl2 Switch	Hewlett Packard Enter...
3.01	H1MT0E	HPE 3Y FC 24x7 Aruba 5406R zl2 Switc SVC [for J9821A]	Hewlett Packard Enter...
3.02	U4882E	HPE Networks 54xx/82xx zl Startup SVC [for J9821A]	Hewlett Packard Enter...
3.03	J9828A	Aruba 5400R 700W PoE+ zl2 PSU	Hewlett Packard Enter...
3.04	J9828A ABA	INCLUDED: Power Cord - U.S. localization	Hewlett Packard Enter...
3.05	J9993A	Aruba 8p 1G/10GbE SFP+ v3 zl2 Mod	Hewlett Packard Enter...
3.06	J9150D	Aruba 10G SFP+ LC SR 300m MMF Transceiver	Hewlett Packard Enter...
3.07	J4858D	Aruba 1G SFP LC SX 500m MMF Transceiver	Hewlett Packard Enter...
3.08	J9996A	Aruba 2p 40GbE QSFP+ v3 zl2 Mod	Hewlett Packard Enter...
3.09	JL308A	Aruba 40G QSFP+ LC BIDI 150m MMF 2-strand Transceiver	Hewlett Packard Enter...

The network architect has created the 60M shown in the exhibit for a complete new wired and wireless solution for a customer. This solution the customer wants to discover and manage every component or the network in Airwave, including twins, MCS, APS, and switches.

How many AirWave licenses does the architect need to add?

- A. 222
- B. 30
- C. 6930
- D. 7122

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 14

A customer has critical wired endpoints. However, each endpoint has a single Ethernet connection to the network. The customer wants redundancy in the switch access layer to minimize the chances that an endpoint will lose this connection. The architect plans to deploy two Aruba CX 6405 switches in the closet.

Which plan provides the greatest redundancy for this scenario?

- A. The 6405 switches are in a VSX fabric, and each has a redundant management module but not a redundant power supply.

- B.** The 6405 Switches are in a VSF fabric, so the individual switches do not need redundant components.
- C.** The 6405 switches are not in a VSX fabric, and have redundant power supplies and redundant management modules.
- D.** The 6405 switches are not in a vsF fabric, and have redundant power supplies but not redundant management modules.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 15

A customer requires new MCs for a large multi-site network with about 600 AP-535S and 30,000 wireless clients. The customer requires redundancy for the MCs, with each MC being able to handle the full load in a failover situation. The network should be able to sustain the loss of a controller with stateful failover within seconds. It should be able to undergo software upgrades without downtime.

The architect has recommended two 7240XM MCs. The customer points out that 7220 MCs can support their requirements and wonders why the architect recommended the 7240XMS.

What should the architect explain?

- A.** The 7240XM MCs have better redundant power supplies and fan tray component capabilities than 7220 MCs.
- B.** The 7240XM MCs are required to support the large number of wireless clients in this network.
- C.** The 7240XM MCs provide a higher number of concurrent GRE tunnels to support 600 APs with MCs in L2 clustering.
- D.** The 7240XM MCs can support full CPsec tunnels with this number of APs, while the 7220 MCs cannot.

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 16

A mall requires a wireless network upgrade to 802.11n. The company that owns the mall wants to provide the APs for the entire mall. However, several of the larger national chain retailers with spaces in the mall want to offer wireless services with their own SSIDs.

These individual retailers also have their own wireless guest services and wireless client devices. They have their own corporate infrastructure and want to handle all of this wireless traffic on their own, including terminating the traffic on their own controllers. The mall requires redundancy for its services, but the retailers do not.

Which plan for mobility controllers (MCs) and mobility master (MM) meets the needs of this scenario?

- A.** a pair of MMs for the mall company, but not MCs: MMs control one MC for each retailer with its own SSIDs
- B.** two MCs for the mall company and one MC for each retailer with its own SSIDs, all controlled by the same pair of MMs

C. two MCs for the mail company controlled by a pair of MMS; one standalone MC for each retailer with its own SSIDS

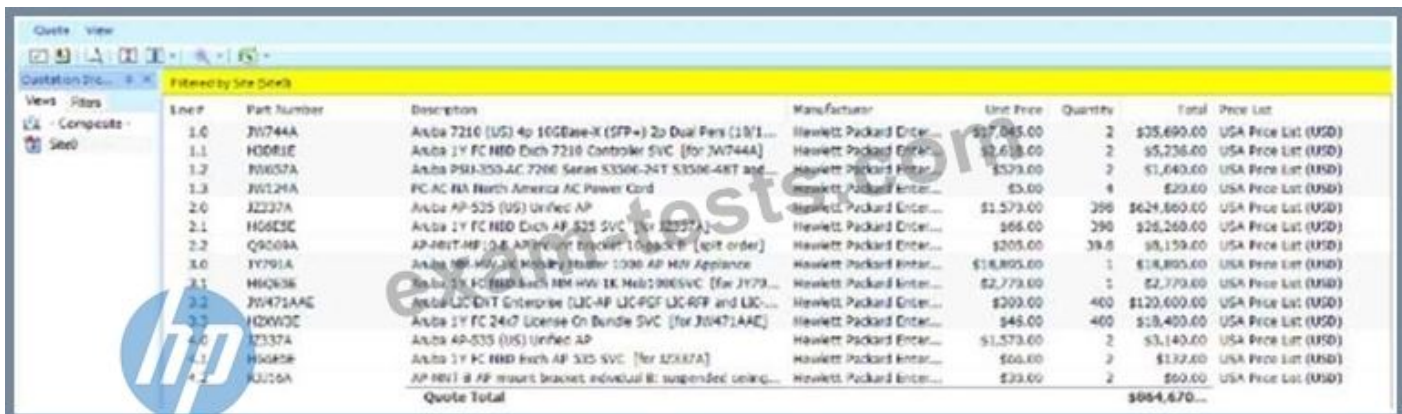
D. two MCs for the mail company and for all of the retailers, both controlled by the same pair of MMs

Answer: A ([LEAVE A REPLY](#))

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NEW QUESTION: 17

Refer to the exhibit.



Line#	Part Number	Description	Manufacturer	Unit Price	Quantity	Total	Price List
1.0	J01744A	Aruba 7210 (US) 4p 10GbE+K (SFP+) 2x Dual Port 10/1...	Hewlett Packard Enter...	\$17,045.00	2	\$35,690.00	USA Price List (USD)
1.1	H0081E	Aruba 1Y FC NED Each 7210 Controller SVC (for J01744A)	Hewlett Packard Enter...	\$2,618.00	2	\$5,236.00	USA Price List (USD)
1.2	H0057A	Aruba PSM-750-AC 7206 Series S3506-24T S3506-48T and...	Hewlett Packard Enter...	\$329.00	2	\$1,640.00	USA Price List (USD)
1.3	J0121A	PC AC RA North America AC Power Cord	Hewlett Packard Enter...	\$3.00	4	\$12.00	USA Price List (USD)
2.0	J2237A	Aruba AP-535 (US) Unified AP	Hewlett Packard Enter...	\$1,573.00	396	\$624,660.00	USA Price List (USD)
2.1	H06C3C	Aruba 1Y FC NED Each AP 535 SVC (for J2237A)	Hewlett Packard Enter...	\$66.00	396	\$26,260.00	USA Price List (USD)
2.2	Q9009A	AP-535-AP-535-AP-535-AP-535-AP-535-AP-535-AP-535...	Hewlett Packard Enter...	\$205.00	39.6	\$8,159.00	USA Price List (USD)
3.0	JY291A	Aruba MM-HV-24 Mobility Master 1000 AP MMV Appliance	Hewlett Packard Enter...	\$18,895.00	1	\$18,895.00	USA Price List (USD)
3.1	H06K3E	Aruba 1Y FC NED Each MM HV 1K MMV 1000 SVC (for JY291...	Hewlett Packard Enter...	\$2,779.00	1	\$2,779.00	USA Price List (USD)
3.2	J01471AAE	Aruba L2C-Ent Enterprise (LIC-AP, LIC-PSF, LIC-RF, and LIC...	Hewlett Packard Enter...	\$209.00	400	\$120,600.00	USA Price List (USD)
3.3	H06K3C	Aruba 1Y FC 2407 License On Bundle SVC (for J01471AAE)	Hewlett Packard Enter...	\$46.00	400	\$18,400.00	USA Price List (USD)
4.0	J2337A	Aruba AP-535 (US) Unified AP	Hewlett Packard Enter...	\$1,573.00	2	\$3,140.00	USA Price List (USD)
4.1	H06K3E	Aruba 1Y FC NED Each AP 535 SVC (for J2337A)	Hewlett Packard Enter...	\$66.00	2	\$132.00	USA Price List (USD)
4.2	J0126A	AP-535-1-8 AP Mount bracket, individual B: suspended ceiling...	Hewlett Packard Enter...	\$33.00	2	\$66.00	USA Price List (USD)
Quote Total						\$884,670.00	

A customer needs to create a proposal for a full wireless solution for a customer. The customer has indicated that the MCs will connect to Aruba CX Switches at the core and the APs will connect to PoE-i- switches at the edge. The customer requires that the wireless solution support at least 50 Mbps concurrently per AP. The architect has created a BOM for a Mobility Master (MM), two MC 7210s, and 400 AP-535S. The exhibit shows this BOM.

Which components has the architect forgotten?

- A. Sufficient Enterprise licenses for the APs on both MCs
- B. Mounting Kits for the MMs and MM
- C. Smart Rate PoE+ injectors for the APs
- D. SFP+ transceivers for the MC connections

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 18

An indoor basketball stadium has 5,000 seats in two rings:

- * The stadium has a ceiling height of 60 feet (18 m).

- * There is a catwalk around the perimeter of the basketball court, between the court and the seating areas.
- * This catwalk is 40 feet (12 m) from the floor.
- * There are two scoreboards at either end of the stadium.
- * The construction of the stadium is concrete and steel.

The customer does not want an under-seat, picocell deployment.

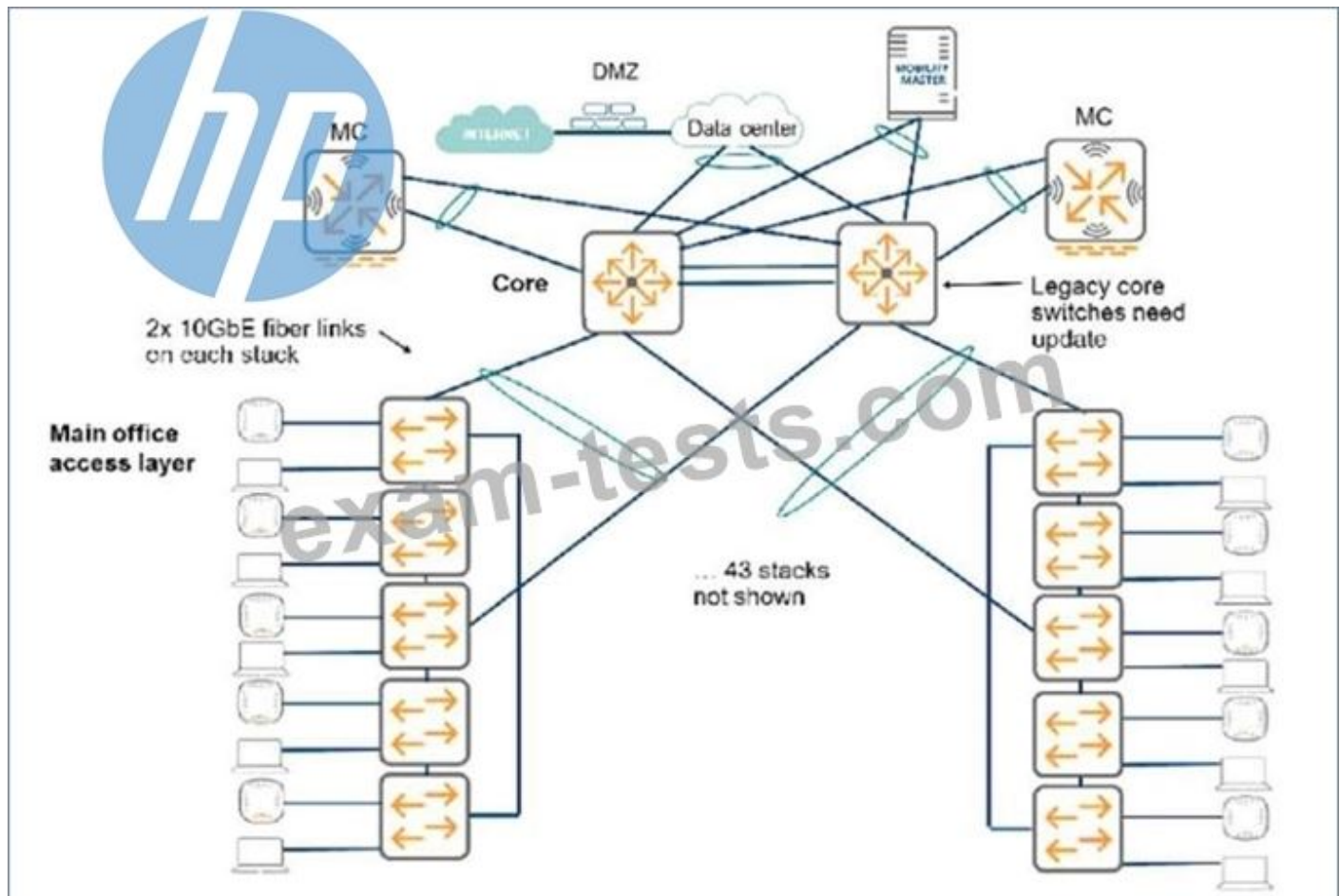
Which AP model is appropriate to provide coverage in the main stadium bowl?

- A. AP-555
- B. AP-575
- C. AP-505
- D. AP-577

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 19

Refer to the exhibit.



A customer requires a core switching solution for a very large multi-building campus with about 30,000 wireless clients and devices. The network will have a flat topology as shown in the exhibit, and MCs will forward all wireless traffic to the core for routing.

The customer had considered Aruba 5400R Series switches, but the architect recommends Aruba S320 switches Instead.

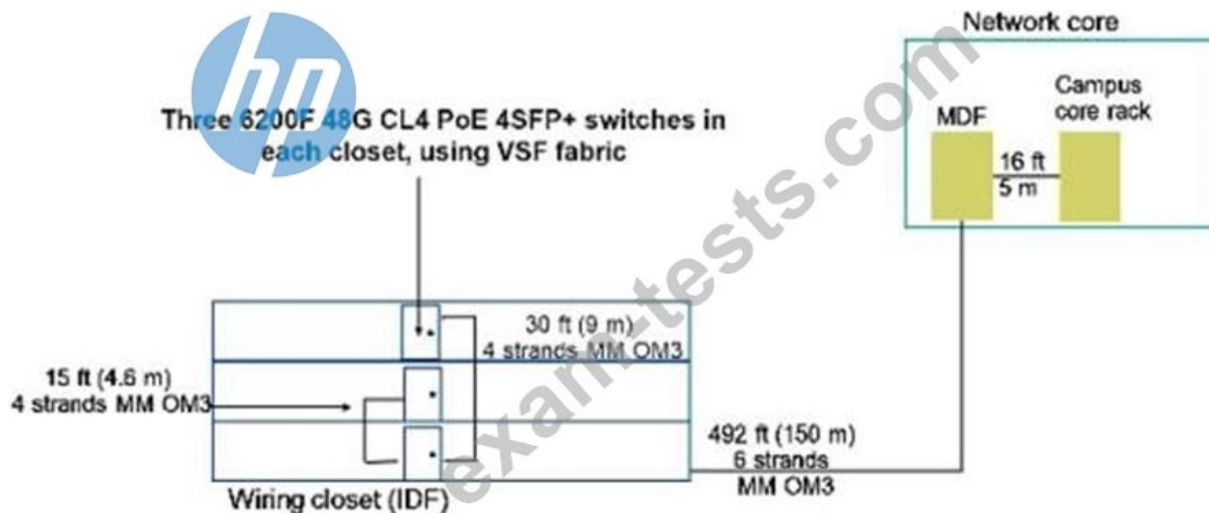
How should the architect justify this recommendation?

- A.** The 3320 switches offer more extensive mobility integration features with Aruba MCs and APs than the 54C0R Series switches do.
- B.** The 8320 switches have greater performance and larger ARP tables than the 54Q0R Series, as is necessary for a network this size.
- C.** The 8320 switches are required to eliminate the aggregation layer as the customer desires.
- D.** The 3320 switches support a higher density of 10GbE fiber ports than the 5400R Series.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 20

Refer to the exhibit.



A customer needs a wired upgrade for a building on its main campus. The exhibit shows the switches that the architect has selected for each closet and the existing cabling. The customer is not open to changing the cabling.

The customer requires link redundancy for the uplinks from each closet and for the links from the building to the core. In non-link failure situations, the uplinks from each closet must support at least 20Gbps, and the building as a whole must have at least 20 Gbps to the core in non-link failure situations. Which two options for connecting the closets to the network core are valid? (select two.)

- A.** Connect the switch stack on each floor directly to the network core on two fiber connections per floor. Achieve this by patching the inter-floor fiber through to the inter-building fiber.
- B.** Combine the nine switches on all three floors into a single switch stack with stacking cables in a ring topology.

Connect two Floor 1 members to the network core with one fiber connection each

- C.** Add two aggregation switches in the Floor 1 closet. Connect the switch stack for each closet to the aggregation switches on two fiber links each and the aggregation switches to the core on two fiber links.

- D.** Connect the Floor 2 switch stack to Floor 1 with two fiber connections, DO the same for Floor 3. Connect the Floor 1 switch stack to the network core with two fiber connections.

E. Combine the nine switches on the three floors into a single switch stack with the MM QM3 fiber cables in a ring topology. Connect two Floor 1 members to the network core with one fiber connection each.

Answer: A,C ([LEAVE A REPLY](#))

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