Vendor:HP

Exam Code:HPE6-A80

Exam Name: Aruba Certified Design Expert Written

Version: Demo

QUESTION 1

Refer to the exhibit.

The network architect has created the 60M shown in the exhibit tor a complete new wired ana 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 dees the architect need to add?

A. 30

B. 222

C. 7122

D. 6930

Correct Answer: A

QUESTION 2

For which scenario do Aruba CX 6300M Series switches meet the needs for an upgrade of the wired access layer while the Aruba CX 630QF Series switches do not?

A. The customer wants to utilize the Aruba AP-515 support for 002 3bz connectivity.

B. The customer wants to utilize LACP on AP515 in VSF switch configuration.

C. The Aruba CX6300M supports 10GBase-T connectivity with AP-515.

D. The Aruba CX 630DM support up to 75W PoE+ per port

Correct Answer: D

QUESTION 3

A hospital wireless network must support many different types of users and devices, including: Visitors who access the Internet Admin staff, who run applications such as scheduling Medical staff, who look up patient info on their tablets Patient monitoring devices, which must not lose any traffic Communicator badges, which support real-time voice to allow nurses and doctors to communicate

The hospital needs to ensure that the most vital and time-sensitive traffic is prioritized and that visitors do not interfere with hospital applications. The MC should mark traffic that passes through it for an appropriate priority.

Which plan meets the needs? (The plans describe firewall roles and rules but do not need to use correct syntax. Note that

security roles are also not included.)

A. Medical staff = Highest. Patient monitoring = Highest. Admin staff - High. Communicator = Normal. Visitors = Low.

B. Communicator = Highest. Patient monitoring = Highest. Medical staff = High. Admin staff = Normal: Visitors = Low.

C. Patient monitoring = Highest. Medical staff = Highest. communicators = High. Admin staff = High. Visitors = Normal.

D. Medical staff = Highest. Communicator = High. Patient monitoring = High. Admin = High. Visitors = Normal

Correct Answer: A

QUESTION 4

A customer has multiple, very small branch sites that require just one or two APs each. The office has a local Internet connection, but all of the traffic is destined To the corporate data center, which has an Aruba wireless solution. Which branch office solution best meets the customer needs?

A. RAPs and no branch office controllers

B. IAPs and 7005 branch office controllers with an 3D-WAN license

C. CAPS and 7005 branch office controllers

D. RAPs and 7005 branch office controllers with an. SD-WAN license

Correct Answer: C

QUESTION 5

An indoor basKetbaiI stadium has 5.000 seats in two rings:

The stadium has a ceiling height of GO 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 sleet.

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

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

A. AP-577

B. AP-555

C. AP-575

D. AP-505

Correct Answer: A

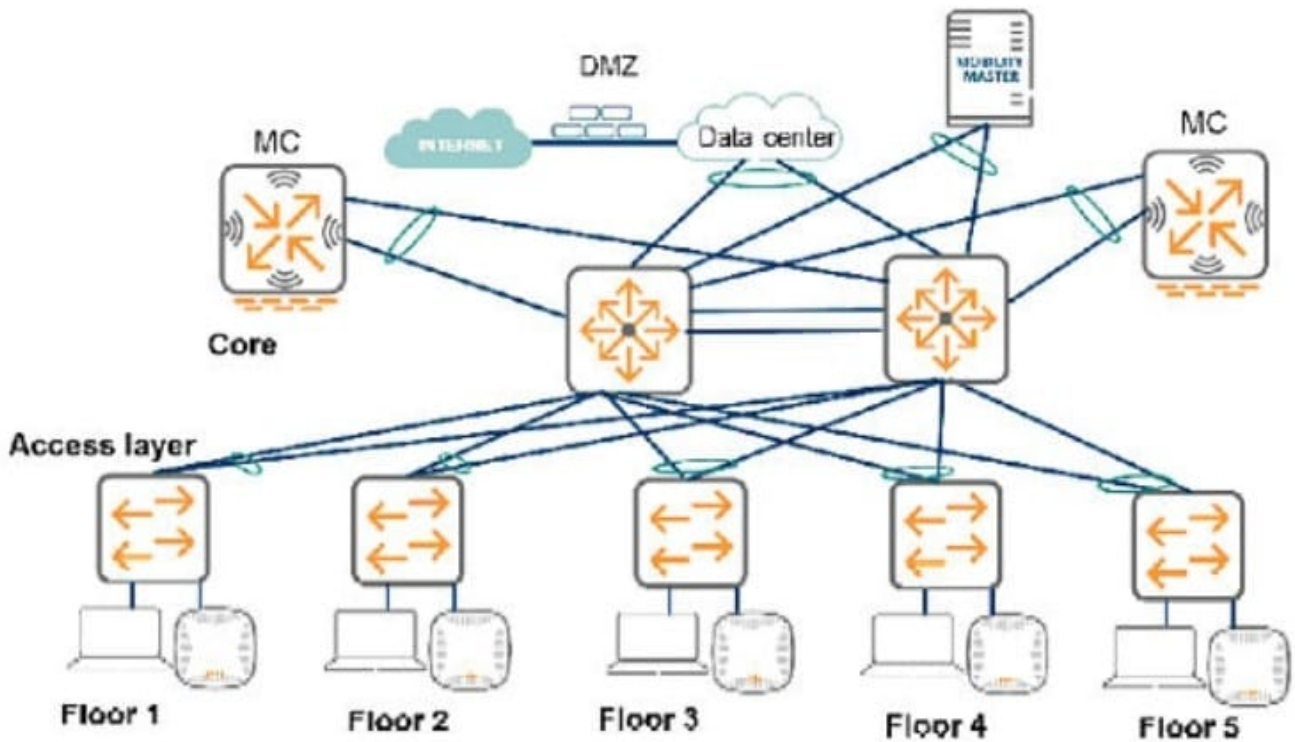**QUESTION 6**

Refer to the exhibit.

Exhibit: A49.01114316-134

The exhibit shows the topology for a new Aruba solution. The MCs are in a ctuster and support all of the wireless traffic in

the network The core switches route all traffic and support all VLANS. The access fayer switches do NOT use tunneiednode. or dynamic segmentation.

The customer has indicated that it has these VLANS for user devices.

*

 VLAN 11 for Floori employee wired devices

*

 VLAN 12 for Floor 2 employee wired devices

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 VLAN 13 tor Floor 3 employee wired devices

*

 VLAN 14 for Floor 4 employee wired devices

*

 VLAN 15 for Floor 5 employee wired devices

*

VLAN 101 for all employee wireless devices

*

 VLAN 102 for all guest wireless devices

In which locations should the architect plan the VLANs?

A.

VLANs 11-15 on one MC. VLANs 101 and 102 on the other MC. (Other VLANs will be used on the access layer switches.)

B.

VLANs 11-15. 101. and 102 on both MCs. (Other VLANs will be used on the access layer switches.)

C.

VLANs 11-15 on the access layer switches on the corresponding floor; VLAN 101 on one MC and VLAN 102 on me other MC

D.

VLANS 11-15 on the access layer switches on the corresponding floor; VLANS 101 and 102 on both MCS.

Correct Answer: C

QUESTION 7

Refer to the exhibit.

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 Aruanda 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 tor a Mobility Master (MM), two MC 721os, and 400 AP-535S. me exhibit snows this BOM.
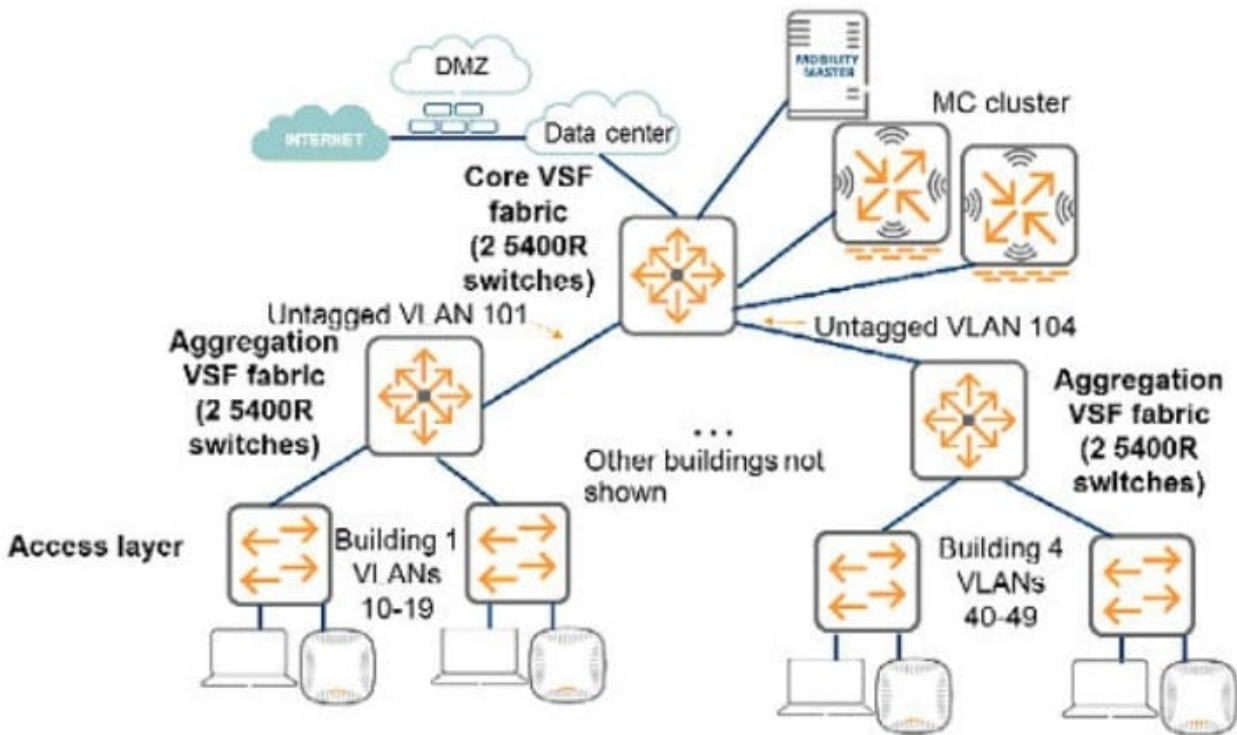
Which components has the architect forgotten?

A. SFP+ transceivers tor the MC connections

B. Smart Rate PoE+ injectors for the APs

C. Mounting Kits tor the MOs and MM

D. Sufficient Enterprise licenses for the APs on both MCs

Correct Answer: C

QUESTION 8

Refer to the exhibit.

A customer has the wined infrastructure shown in the exhibit. The customer is in the process of expanding their wireless services They will now add a new wireless solution, with mobility controllers (MCs) connected as shown. The new

wireless solution will support a total of 450 APs and about 26,000 wireless devices. It must provide seamless roaming across the entire campus.

After the new deployment, both wired and wireless devices experience IP connectivity issues.

Which change to the existinginfrastructureshould the architect recommend to support all of the customer requirements?

A. The wired VLANS should be combined into a single VLAN and n6 subnet

B. The core switches should be replaced with switches that have larger ARP tables.

C. The MCs should be moved to the aggregation layer, and more MCs added

D. The core and aggregation switches should disable Virtual Switching Framework (VSF).

Correct Answer: D

QUESTION 9

Which scenario Indicates the need for a wireless mesh?

A. A nsstorical 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.

B. 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.

C. 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.

D. A company needs to provide seamless roaming and wireless access between two buildings. The buildings are about 60 feet (18 m)apart.
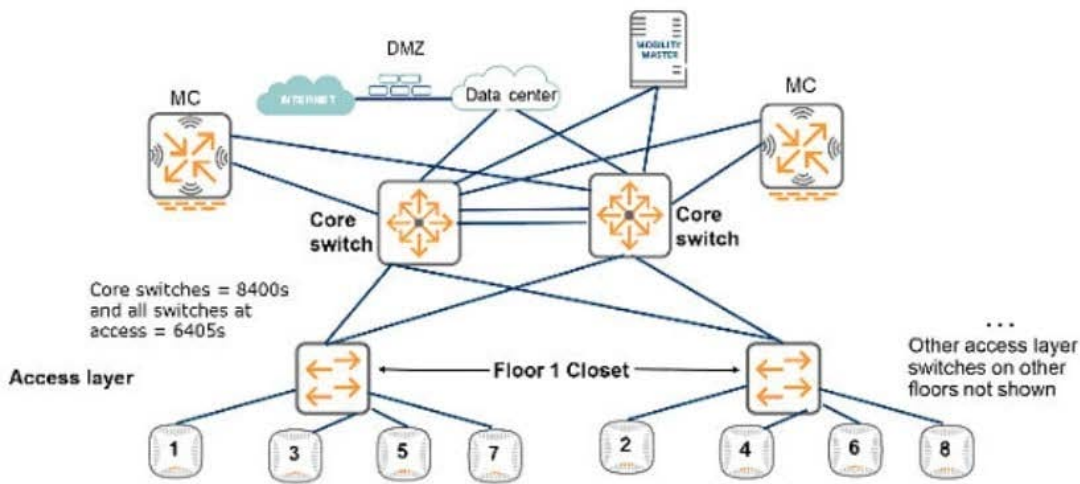
Correct Answer: D

QUESTION 10

A customer has an Aruba solution with APs, MCs, and an MM The customer also uses AirWave and ClearPass. The customer wants to add Aruba CX Switches, which use per- user tunneled node, to the solution. How should the Aruba CX Switches integrate with the existing solution in order to determine when to tunnel device traffic to MCs?

A. They should be managed by AirWave with SNMPv3.

B. They should implement authentication to ClearPass.

C. They should be directed to MCs by a DHCP or DNS server.

D. They should be manually added as MDs in MM.

Correct Answer: C

QUESTION 11

Refer to the exhibit.

Wiring closet
16 OM3 strands to core 150 feet (46 m) away)
CAT6a cable across floor

45 feet (14 m)

230 feet (70 m)

DMZ

MC

Data center

MOBILITY MASTER

MC

Core switch

Core switch

Core switches = 8400s
and all switches at
access = 6405s

Access layer

Floor 1 Closet

Other access layer
switches on other
floors not shown
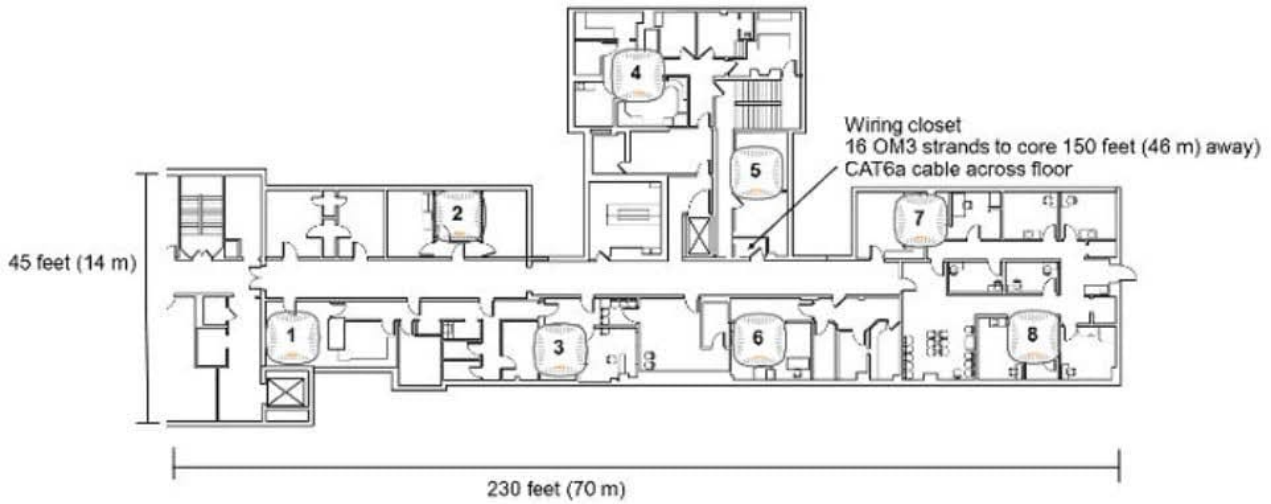
A customer needs to support resilient wireless services

What is one way that this design helps to minimize me impact of a railed access layer switch on these services?

A. The switches support Smart Rate and dual home AP connections.

B. The 8400s and G405s use Virtual Switching Extension (VSX) in cone and access.

C. Each access layer switch has two redundant links to the core.

D. APS in the same area connect to different switches.

Correct Answer: A

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QUESTION 12

Refer to the exhibit.
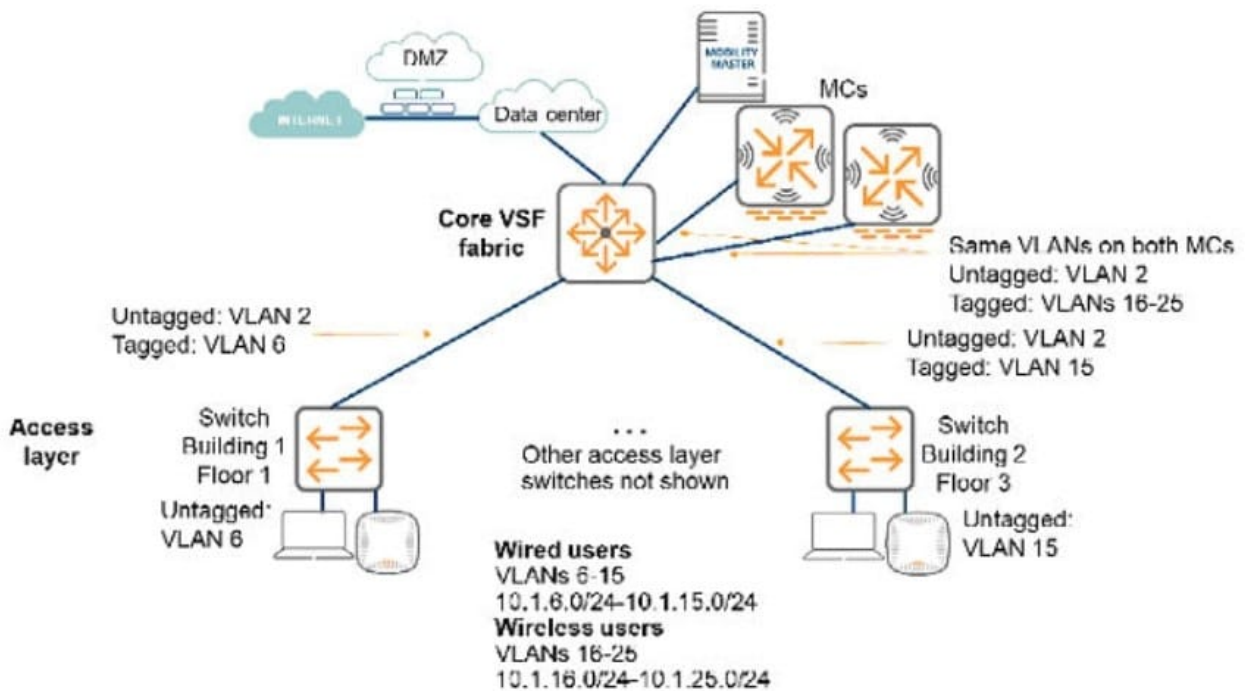
A customer needs a wireless network upgrade and has these requirements.

-

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

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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 belter meet customer requirements and besl practices?

A.

Combine me /25 subnets for wireless and wired users into a /16 subnet.

B.

Install additional Mobility Controller.

C.

Combine the /25 subnets for wireless users into a /20 subnet

D.

Place each controller in a different VLAN and subnet.

Correct Answer: B