HPE6-A49 Q&As

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QUESTION 1

A customer has phones used as wireless Voice over IP (VoIP) devices. Which is one implication for the design?

A. Plan policies for the phone role on MCs to give the phones a high QoS priority.

B. Ensure a -75 GHz signal in both the 2.4GHz band and the 5GHz band across the entire site.

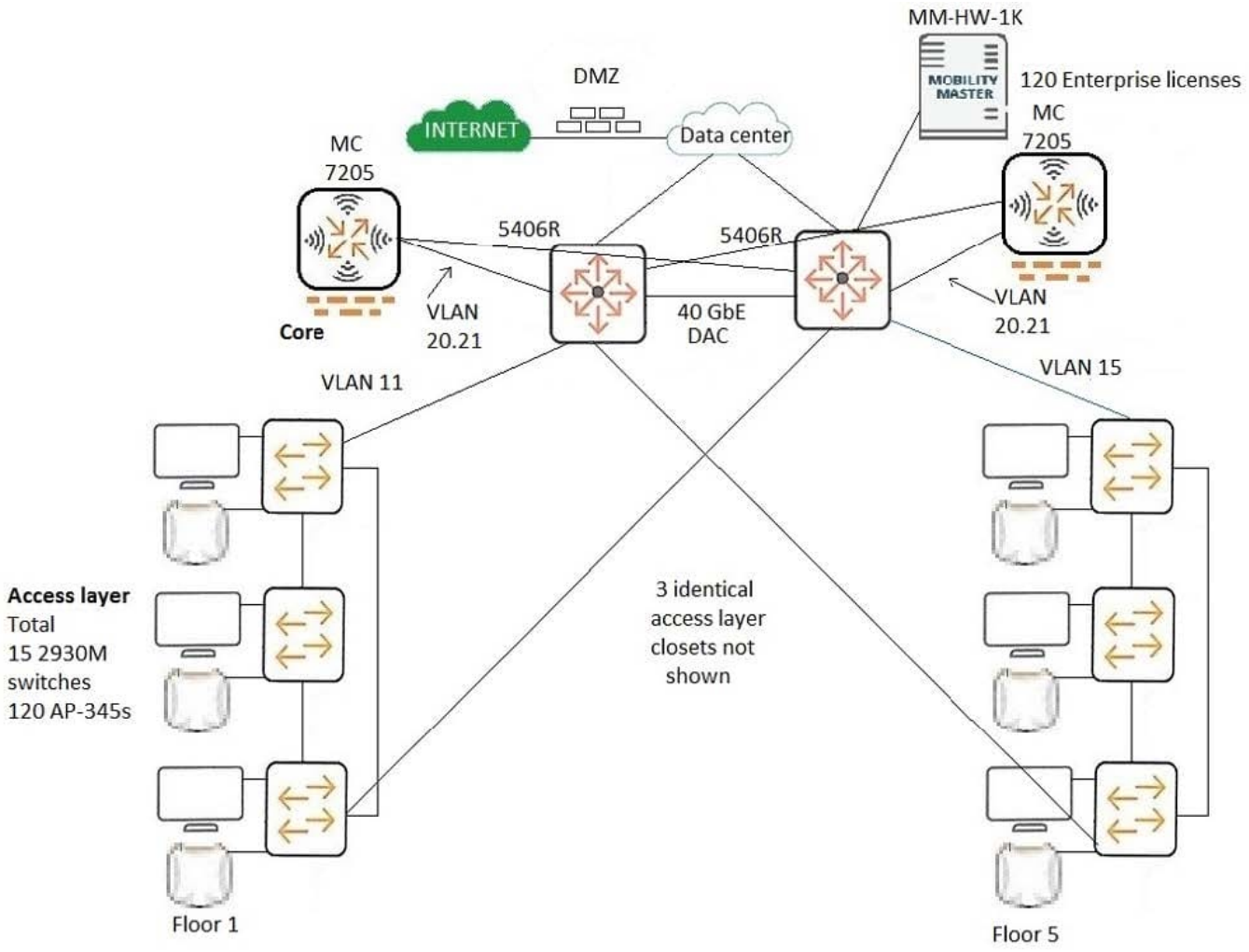
C. Ensure that APs connect on Smart Rate ports to support the high bandwidth demands of the phones.

D. Apply a bandwidth contract to the phone VLAN to limit broadcast and multicast traffic.

Correct Answer: C

QUESTION 2

Refer to the exhibit.



A customer has these availability requirements: 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.

Which change should the architect make to the plan to provide better support for the customer availability requirements?

A. Use two 40GbE DACs for the VSF link between the core switches.

B. Add VLANs 11 and 15 to the MC connections to ensure both MCs can manage any of the APs.

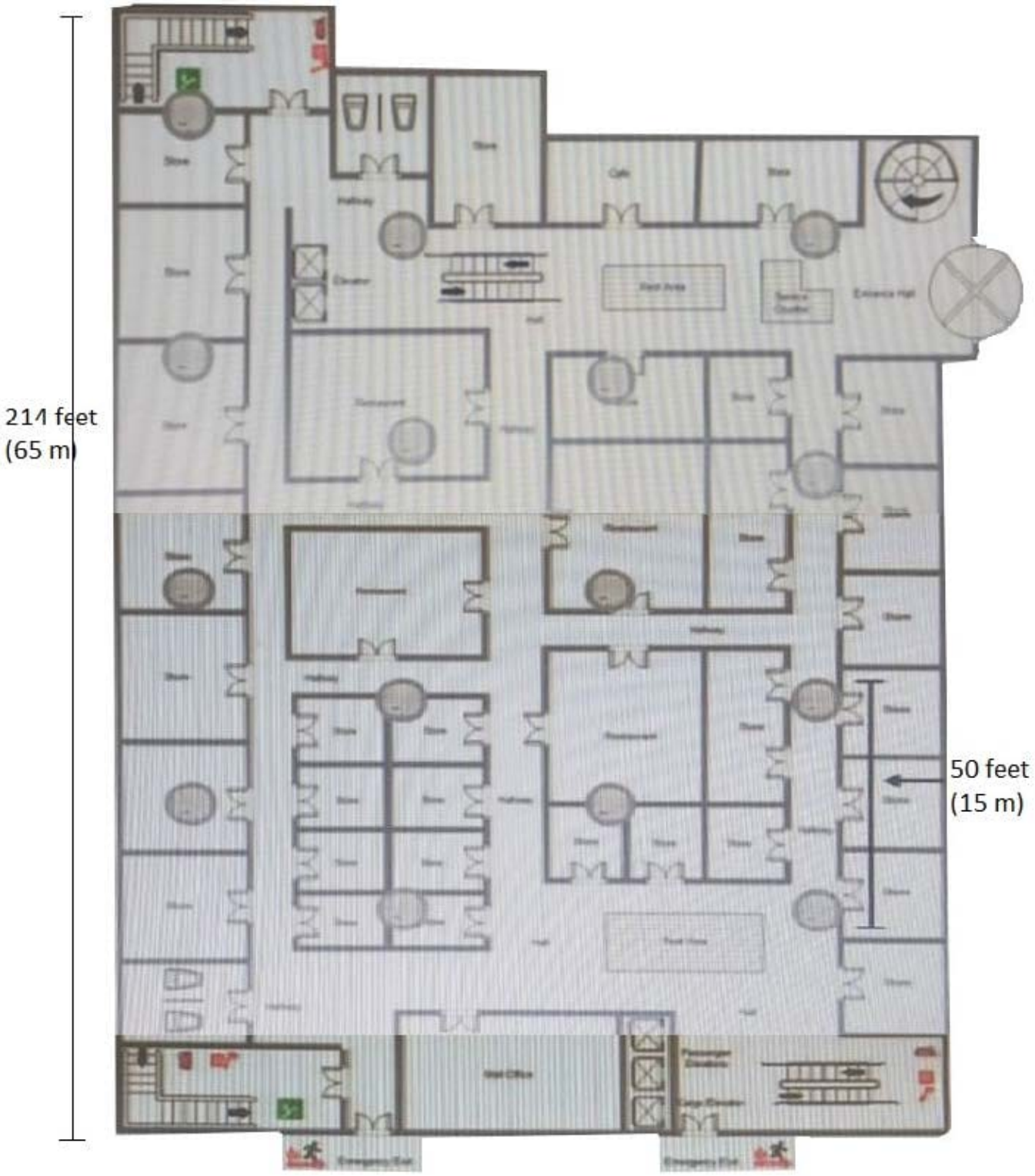
C. Add 120 additional AP licenses, so that each MC can support all the APs even if the other MC fails.

D. Change the 40GbE DAC on the 5406R switch to a stacking cable with stacking module.

Correct Answer: D

QUESTION 3

Refer to the exhibit.



A mall has an existing Aruba solution with 15 AP-335s. The mall now wants to add Meridian and location-based services, in particular blue dot wayfinding. The customer plans to use the built-in beacon in the existing AP radios. These Meridian licenses have been proposed: 1x Aruba Meridian Maps 1x Aruba Meridian Blue Dot Nav Which concern should the architect raise about this plan?

A. Separate beacons should be deployed to provide proper coverage for wayfinding.

B. Only the Blue Dot Nav license is required to meet the customer requirements.

C. The customer requires wireless sensors to manage the beacons in the AP radios.

D. The existing AP radios do not support beacon functionality.

Correct Answer: A

QUESTION 4

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

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

There is a catwalk around the perimeter of the court, between the court and the seating areas. This

catwalk is 40 feet (12m) 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, pico cell deployment, and the customer requires 802.11ac

Wave 2.

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

A. AP-228

B. AP-344

C. AP-365

D. AP-375

Correct Answer: A

QUESTION 5

What is one requirement for ensuring that MCs can update their software without the need for a maintenance window?

A. MCs must be managed by an MM and connected to the same switch.

B. MCs must be in a cluster and connected in the same VLANs.

C. MCs must be directly connected on at least one port.

D. MCs must have AP licenses assigned to them in a dedicated local pool.

Correct Answer: D

QUESTION 6

A retailer has many small outlets. Each outlet has: a local Internet connection, but no local services. The outlets have no local IT staff. All traffic must go through the main office. Devices at the site are primarily POS systems.

The retailer currently has a complex VPN solution, but would like to: Shift entirely to wireless devices with a new 802.11ac network Simplify network setup for existing and new outlets

The architect has examined the sites and determined that each will require about 1 to 3 APs. The customer wants the most cost-effective solution that meets the requirements.

Which solution should the architect recommend for each remote site?

A. Instant APs (IAPs) with CPSec control channels to Aruba Central

B. Campus APs (CAPs) with CPSec control channels to a main office MC

C. Remote APs (RAPs) with IPsec tunnels to a main office MC

D. Campus APs (CAPs) with a local MC that has an SD-WAN license

Correct Answer: C

QUESTION 7

A customer has a campus that has expanded to several buildings. The buildings are between 100 and 200

feet (30 m and 61 m) apart and connected with SM fiber. The customer currently has instant APs (IAPs)

clusters on several floors of several buildings. The customer has consolidated central resources in a small

data center in one of the buildings.

The customer would like a more centralized architecture in which all wireless traffic is tunneled to the data

center and IAPs are managed centrally.

What should the architect recommend?

A. Deploy Aruba MCs in a central location, and convert IAPs to CAPs.

B. Purchase a license for a Virtual Mobility Master (VMM).

C. Deploy Aruba AirWave in a central location.

D. Purchase a subscription for Aruba Central device management.

Correct Answer: D

QUESTION 8

Compare the scenarios below. For which scenario do AP-365s meet the needs?

A. The customer needs APs mounted to a concrete building exterior to provide coverage in a 90 foot (27m) radius from the building.

B. The customer needs APs for an indoor high density environment in which the customer prefers dual 5GHz operation.

C. The customer needs to mount APs in an outdoor area, but that area only has fiber cable available.

D. The customer needs APs for an indoor stadium that requires overhead coverage and directional antennas.

Correct Answer: A

QUESTION 9

Case study

A customer needs a wireless network upgrade for 802.11ac and possibly an upgrade to the wired network.

The customer requires dual-radio 802.11ac APs, each radio of which can support 4x4 MIMO at full feature set.

The customer has given architects this information about their wireless devices:

2700 IoT devices which will have only wireless connections; they support WPA2 with 802.1X

300 on each floor in 3 buildings with 3 floors each

5,400 users, who use devices such as laptops and smartphones

600 users on each floor in 3 buildings with 3 floors each

24 security cameras which will have only wireless connections; they support WPA2 with 802.1X and have a local power source

4 on floor 1 of each of the 3 buildings

2 on the other 6 floors

The architect also has collected information about the existing wired network.

The existing access layer switches support these features:

10/100/1000 edge ports

PoE (802.3af)

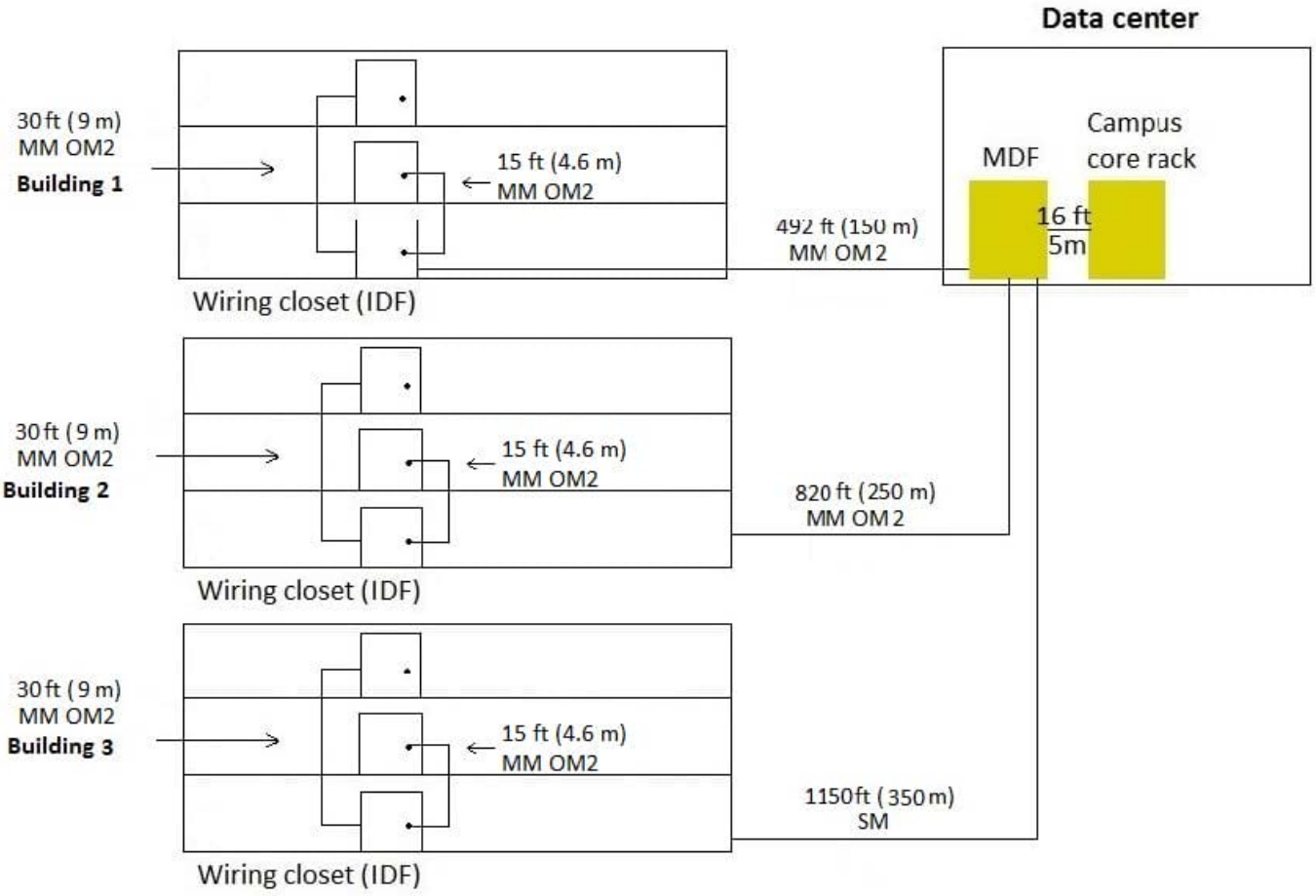
1GbE fiber uplinks

The existing aggregation switches support these features:

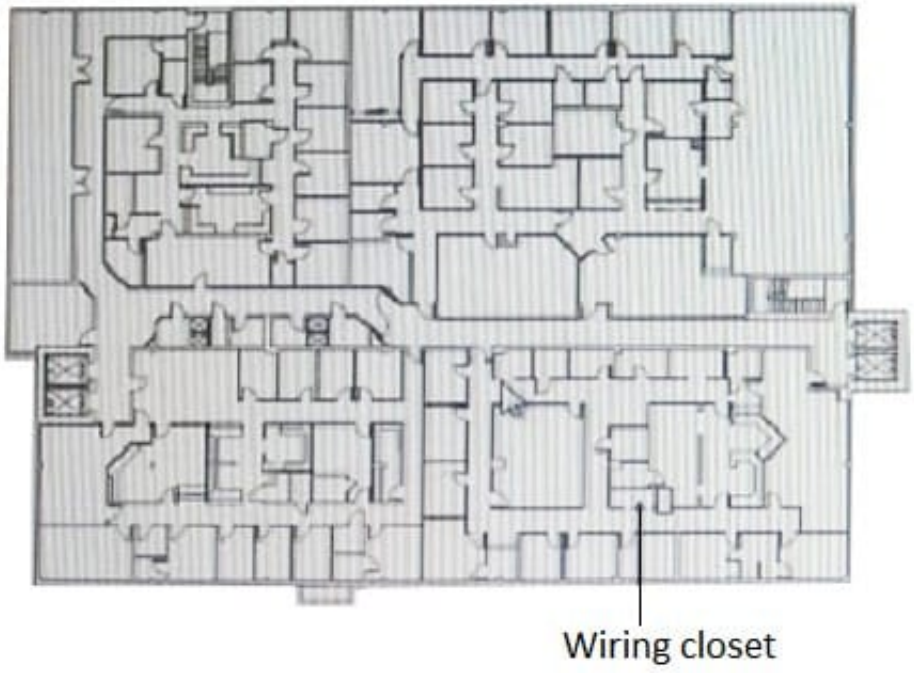
1/10GbE fiber ports

ARP tables up to 64,000

The customer has provided this figure that shows the existing cabling between floors and between buildings:



Each floor is about 100 feet (30 m) by 140 feet (43 m) with a 10 foot (3 m) ceiling. Interior walls are drywall. The layout for each floor is similar to that shown below. CAT5e cable is extended to all areas.



The customer wants to have a wired upgrade as well. The customer has indicated some additional requirements for the

wired network, including redundancy for all switch-to-switch links. The customer also wants to explore whether the aggregation layer in buildings can be eliminated.

What is one missing piece of information the architect should obtain from the customer before they design the solution and select new switches and their accessories?

A. the power requirements on the wireless security cameras

B. the number of fiber strands for fiber runs

C. the percentage of time that employees use their wired connection

D. the power rating on the fiber deployed between buildings

Correct Answer: C

QUESTION 10

A hospital needs an upgrade to 802.11ac 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 2.4GHz and 5GHz band. Assuming about a max throughput of 150 Mbps per AP, the hospital would like to support about 4 Mbps per client. 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 wireless devices. The exhibits show heatmaps from this plan. The architect also plans to deploy APs in stairwells between floors.

How well does the plan meet the requirements?

A. The current AP placement fails to account for the lead-lined walls that are common in patient and exam rooms.

B. The current AP placement fails to provide adequate signal for the voice communicators in several areas.

C. The current AP placement meets coverage requirements, but does not meet capacity requirements.

D. The current AP placement meets the customer requirements in terms of coverage and capacity.

Correct Answer: D