Cisco

Exam Questions 300-425

Designing Cisco Enterprise Wireless Networks (ENWLSD)

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NEW QUESTION 1
A customer asks an engineer to explain the concept of mobility domains and mobility groups. Which statement does the engineer respond with?

A. A mobility group does not constrain the distribution of security context of a client and also does not constrain AP fail-over between controllers when the WLC are in the same mobility domain.
B. If WLCs are in the same mobility domain, they communicate with each other but, if an anchor WLC ispresent it must be in the same mobility domain for communication to be possible.
C. If WLCs are in the same mobility domain, they communicate with each othe
D. Mobility groups constrain the distribution of security context of a client and also constrain AP fail-over between controllers.
E. WLCs do not need to be in the same mobility domain to communicate with each othe
F. Mobility groups constrain the distribution of security context of a client and also constrain AP fail-over between controllers.

Answer: C

Explanation:
https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-0/configuration-guide/b_cg80/b_cg80_chapter_010

NEW QUESTION 2
An engineer must ensure that the new wireless LAN deployment can support seamless roaming between access points using a standard based on an amendment to the 802.11 protocol. Which protocol must the engineer selects?

A. 802.11i
B. 802.11ac
C. 802.11r
D. 802.11e

Answer: C

Explanation:
The 802.11r Fast Transition (FT) Roaming is an amendment to the 802.11 IEEE standards.

NEW QUESTION 3
A high-density wireless network is designed. Which Cisco WLC configuration setting must be incorporated in the design to encourage clients to use the 5 GHz spectrum?

A. Band Select
B. RRM
C. Cisco Centralized Key Management
D. load balancing

Answer: A

Explanation:
Band Select will impact the initial scan, steering clients towards 5 GHz

NEW QUESTION 4
A network engineer is troubleshooting connectivity issues between two WLCs running 8.x code in SSO mode and finds that the redundancy management heartbeat is failing. Which packet type must be filtered for heartbeats when taking a capture to verify communication?

A. RSTP
B. UDP
C. TCP
D. ICMP

Answer: B

NEW QUESTION 5
A rapidly expanding company has tasked their network engineer with wirelessly connecting a new cubicle area with Cisco workgroup bridges until the wired network is complete. Each of 42 new users has a computer and VoIP phone. How many APs for workgroup bridging must be ordered to keep cost at a minimum while connecting all devices?

A. 4
B. 5
C. 6
D. 7

Answer: A

Explanation:
● Number of 802.11b devices per AP: Cisco recommends that you have no more than 15 to 25

So, each AP will have 25 clients. Minimum 4 APs are sufficient.

NEW QUESTION 6
An engineer is designing a wireless deployment for a university auditorium. Which two features can be used to help deal with the issues introduced by high AP count? (Choose two.)

A. TSPEC
B. RXSOP
C. TPC
D. LSS
E. DFS

Answer: CE

Explanation:
https://www.cisco.com/c/en/us/support/docs/wireless-mobility/80211/200069-Overview-on-802-11h-Transmit-P

NEW QUESTION 7
What is the recommended cell overlap when designing a wireless network for Cisco Hyperlocation?

A. 20%
B. 30%
C. 40%
D. 50%

Answer: A

Explanation:
• 20% cell overlap for optimized roaming and location calculations

NEW QUESTION 8
Refer to the exhibit.

An engineer determined that during a recent controller failure, some APs did not failover to their secondary controller based on the network design, which has sufficient licenses for all APs. The controllers are not in a mobility group but have A records for their hostnames in DNS. Which setting needs to be addressed?

A. The controllers must be in the same mobility group.
B. The secondary controller IP address is incorrect.
C. DNS hostnames are required to be FQDN.
D. The AP failover priority was not set high enough.

Answer: D

NEW QUESTION 9
A network engineer is working on a design for a wireless network that must support data, voice, and location services. To support these services, which access point placement must the engineer use?

A. corner only
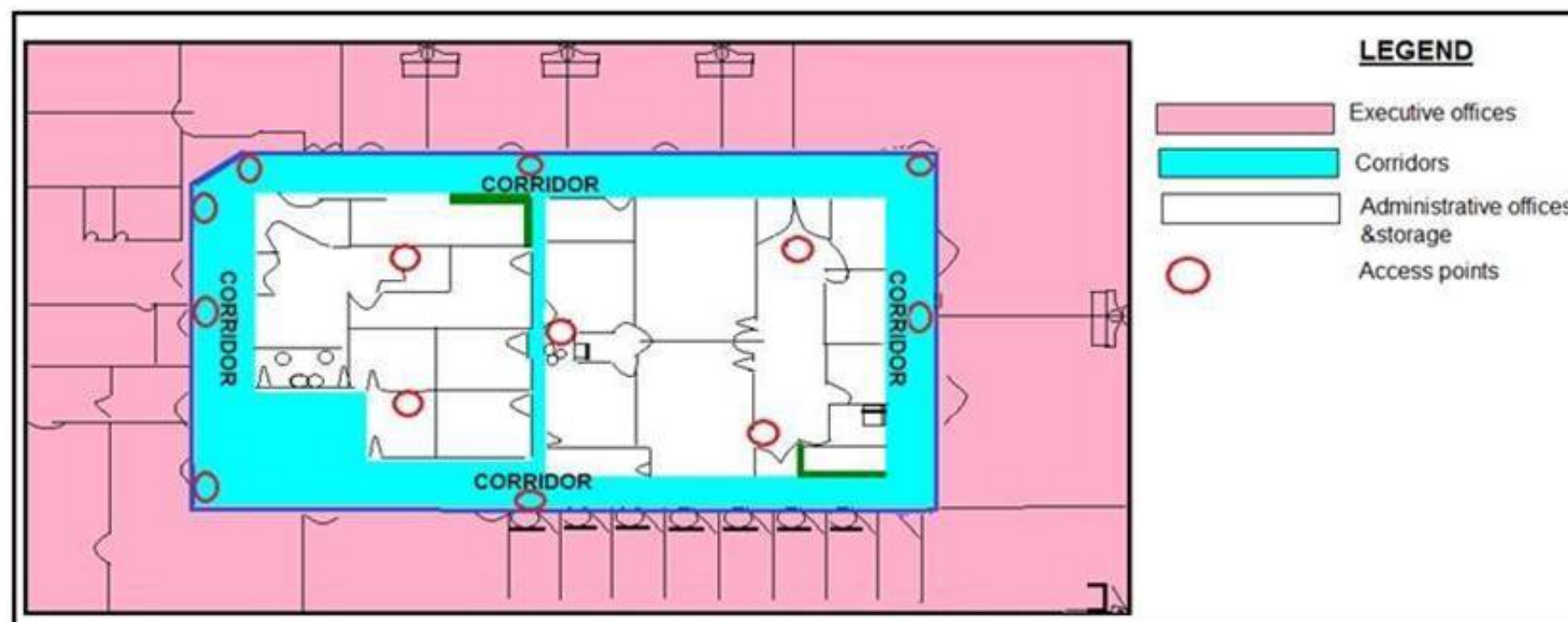B. perimeter and corner
C. perimeter only
D. indoor and outdoor

Answer: B

Explanation:
In a location-ready design, it is important to ensure that access points are not solely clustered in the interior and toward the center of floors. Rather, perimeter access points should complement access points located within floor interior areas. In addition, access points should be placed in each of the four corners of the floor, and at any other corners that are encountered along the floor perimeter. These perimeter access points play a vital role in ensuring good location fidelity within the areas they encircle, and in some cases may participate in provisioning of general voice or data coverage as well.

NEW QUESTION 10
Refer to the exhibit.

What is the main reason why the Wi-Fi design engineer took a different approach than installing the APs in the offices, even though that installation provides better coverage?

A. aesthetics
B. transmit power considerations
C. antenna gain
D. power supply considerations

Answer: B

Explanation:
https://www.cisco.com/en/US/docs/solutions/Enterprise/Mobility/emob30dg/RFDesign.html#wp1000551

NEW QUESTION 10
An engineer must ensure that the wireless network can accomplish fast secure roaming by way of caching keys on the access points. Which key caching mechanism is enabled by default on a Cisco AireOS WLC?

A. SKC
B. OKC
C. 802.11r
D. CCKM

Answer: B

Explanation:

NEW QUESTION 14
A university is in the process of designing a wireless network in an auditorium that seats 500 students and supports student laptops. Which design methodology should the university implement in the auditorium?

A. roaming design model
B. voice design model
C. location design model
D. high-density design model

Answer: B

Explanation:
https://www.cisco.com/c/dam/en_us/solutions/industries/docs/education/cisco_wlan_design_guide.pdf

NEW QUESTION 17
An engineer is reducing the subnet size of the corporate WLAN by segmenting the VLAN into smaller subnets. Clients will be assigned a subnet by location. Which type of groups can the engineer use to map the smaller subnets to the corporate WLAN?

A. WLC port groups

B. RF groups
C. AP groups
D. interface groups

Answer: D

Explanation:

- AP groups give the ability to statically map Wi-Fi service (WLAN) to VLAN based on physical location

- Users see the same Wi-Fi service on all sites.

- Admin can monitor and filter based on different IP@ each site

- Can also be used to have smaller Wi-Fi subnets

NEW QUESTION 20
An engineer has successfully configured high availability and SSO using two Cisco 5508 Wireless LAN Controllers. The engineer can access the Active Primary WLC, but the Secondary Standby WLC is not accessible. Which two methods allow access to the standby unit? (Choose two.)

A. via the console connection
B. SSH to the redundancy management interface of the primary WLC
C. SSH to the service port interface
D. SSH to the virtual interface of the secondary WLC
E. SSH to the management interface of the primary WLC

Answer: AC

Explanation:

Once SSO is enabled, the Standby WLC can be accessed via console connection or via SSH on the service port and on the redundant management interface.

NEW QUESTION 23
An engineer is designing a network deployment for a college with six buildings Each building must have a WLC located in the IDF to support the APs. The wireless clients should be able to roam between the APs and the controllers. Which type of wireless architecture should be used?

A. Distributed
B. Centralized
C. Cloud
D. Autonomous

Answer: B

Explanation:
Cloud-based architecture has controllers in the cloud, not on premises. Autonomous architecture means each AP is autonomous and is not managed by a WLC, distributed architecture is another term for autonomous architecture, so the same applies. Centralized architecture, a.k.a. split-MAC architecture is when all APs are managed centrally by WLCs, they do not need to be co-located. Understanding Cisco Wireless Architectures - CCNA Wireless 200-355 Official Cert Guide (2016) (apprize.best)
https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Mobility/emob41dg/emob41dg-wrapper/ch2_A

NEW QUESTION 28
What causes the most signal attenuation, based on the wireless design tools?

A. cinder block wall
B. metal door
C. glass wall
D. office window

Answer: B

Explanation:

It is important to note that metal chair legs and desk components will interact with the antenna of the AP and change the pattern of the radiation. Surveying the results of placement decisions with a good tool is necessary

NEW QUESTION 31
An engineer must decide the cell overlap for a wireless voice deployment. Which Cisco measurement recommendation should be considered?

A. The edge of the cell should be -67 dBm.

B. The edge of the cell should be below 35 RSSI.
C. The measurement should be done on the 2.4-GHz band.
D. One AP should be deployed per 3000 square feet.

Answer: A

Explanation:

· The optimal VoWLAN cell boundary recommendation is -67 dBm

NEW QUESTION 35
As part of a wireless site survey in a hospital, an engineer needs to identify potential Layer 1 interferers. In which two areas is the engineer most likely to find sources of 2.4 GHz and 5 GHz RF noise? (Choose two.)

A. magnetic resonance imaging
B. kitchen
C. Gamma Knife radiation treatment
D. X-ray radiography
E. patient room

Answer: BE

Explanation:
https://www.ciscopress.com/articles/article.asp?p=2351131&seqNum=2

NEW QUESTION 36
A company has 10 access point licenses available on their backup Cisco WLC and their primary Cisco WLC is at full capacity, 5 access points are set to high failover priority and 7 access points are set to critical failover priority. During a failure, not all critical access points failed over to the backup Cisco WLC. Which configuration
is the cause of this issue?

A. The high priority access point is oversubscribed.
B. network ap-priority is set to enable.
C. The critical priority access point count is oversubscribed.
D. network ap-priority is set to disable.

Answer: D

Explanation:
https://www.ciscolive.com/c/dam/r/ciscolive/emea/docs/2016/pdf/BRKCOL-2275.pdf

NEW QUESTION 41
A wireless engineer is designing a wireless network for a warehouse using access points with internal antennas. Which two elements have a negative effect on the wireless users? (Choose two.)

A. wireless channels
B. access point height
C. client authentication
D. client authorization
E. absorption

Answer: BE

Explanation:
https://www.cisco.com/c/en/us/products/collateral/wireless/aironet-1250-series/design_guide_c07-693245.html#

NEW QUESTION 45
An enterprise is using two wireless controllers to support the wireless network. The data centre is located in the head office Each controller has a corporate WLAN configured with the
nameCopr-NET390595865WLC-1 and Copr-NET6837I638WLC-2. The APs are installed using a round-robin approach to load balance the traffic. What should be changed on the configuration to optimize roaming?

A. Move all access points to one controller and use the other as N+1 HA.
B. Use the same WLAN name for the corporate network on both controllers.
C. Use the same WLAN name for the corporate network on both controllers.
D. Place the access points per floor on the same controller.

Answer: A

NEW QUESTION 46
A customer is running a guest WLAN with a foreign/export-anchor setup. There is one anchor WLC in the US and two in Europe. Anchor WLC priorities are used to prefer local anchors. During a routine network audit, it is discovered that a large number of guest client sessions in the US are anchored to the WLCs in Europe. Which reason explains this behavior?

A. The foreign WLC failed and recovered.
B. The US anchor WLC failed and recovered.

C. The US anchor WLC is anchored to itself with a priority value of zero.
D. The anchor WLC is in the same mobility group.

Answer: B

Explanation:
https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-1/Enterprise-Mobility-8-1-Design-Guide/Enterprise

NEW QUESTION 51
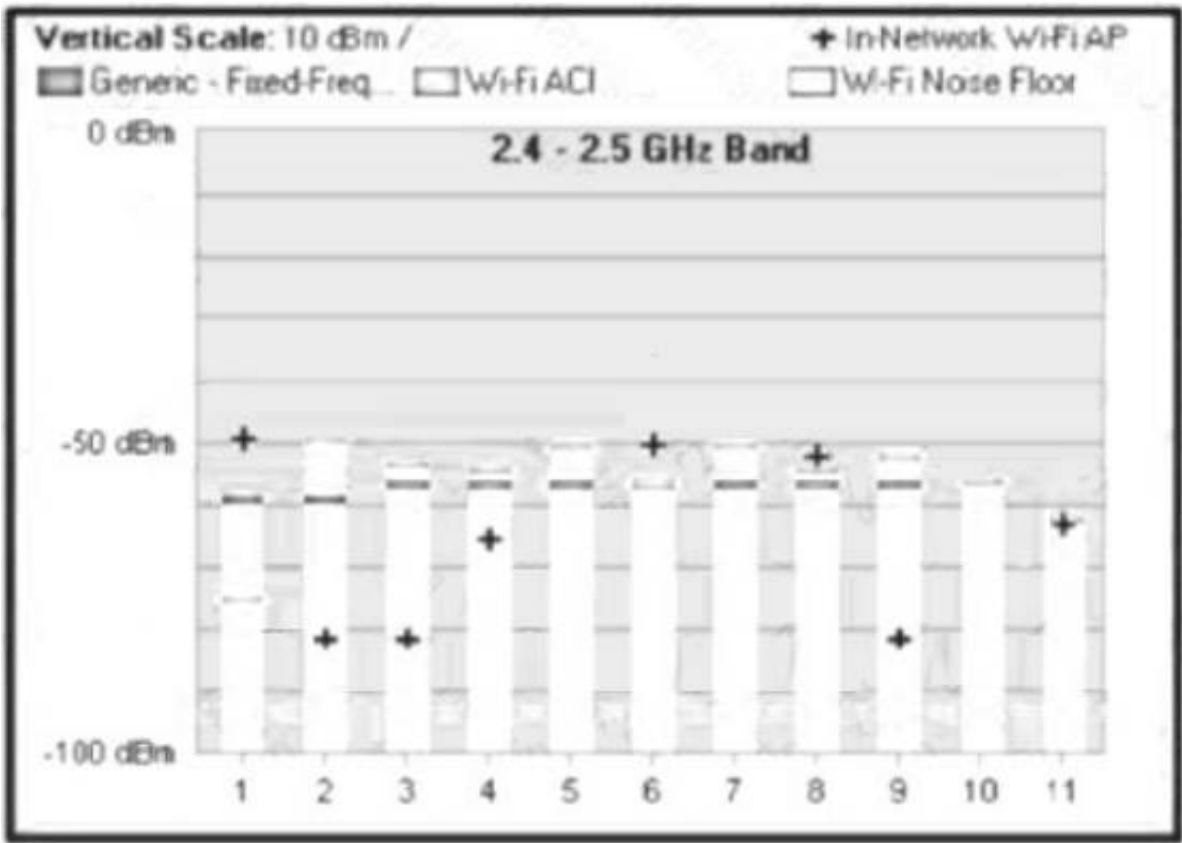How should the concept of mobility domains and mobility groups be explained to a customer?

A. WLCs do not need to be in the same mobility domain to communicate with each other Mobility groups constrain the distribution of security context of a client and also constrain AP fail-over between controllers.
B. A mobility group does not constrain the distribution of security context of a client and also does not constrain AP fail-over between controllers when the WLCs are in the same mobility domain.
C. if WLCs are in same mobility domain, they communicate with each othe
D. Mobility groups constrain the distribution of security context of a client and also constrain AP fail-over between controllers.
E. If WLCs are in the same mobility domain, they communicate with each other bu
F. if an anchor WLC ® present, it must: be in the same mobility domain for communication to be possible.
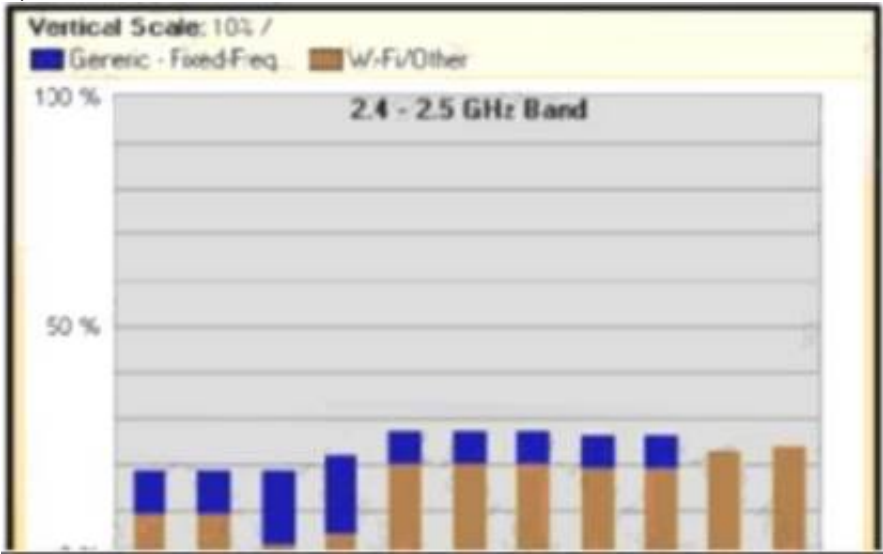
Answer: C

NEW QUESTION 55
An engineer as performing a Layer 1 passive wireless site survey utilizing a channel analyzer software in the 2.4 GHz spectrum. Which chart indicates the ratio of interference present during the duration of the capture?
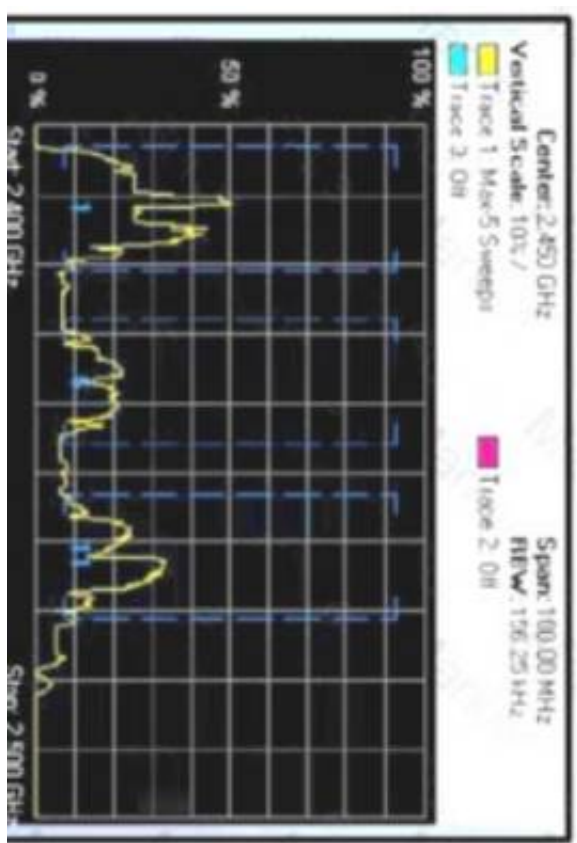A)

B)

C)

A. Option A
B. Option B
C. Option C
D. Option D

Answer: C

NEW QUESTION 57
During a client roaming event, which device is responsible for communicating the new Layer 2 EID mapping of a wireless supplicant to the fabric domain?

A. WLC
B. BN
C. CP2
D. CP1

Answer: A

Explanation:
https://www.cisco.com/c/dam/en/us/td/docs/cloud-systems-management/network-automation-and-management/

NEW QUESTION 59
What is the attenuation value of a human body on a wireless signal?

A. 3 dB
B. 4 dB
C. 6 dB
D. 12 dB

Answer: A

Explanation:
Signal AttenuationSignal attenuation or signal loss occurs even as the signal passes through air. The loss of signal strength is more pronounced as the signal passes through different objects. A transmit power of 20 mW is equivalent to 13 dBm. Therefore, if the transmitted power at the entry point of a plasterboard wall is at 13 dBm, the signal strength is reduced to 10 dBm when exiting that wall. This table shows the likely loss in signal strength caused by various types of objects.
Signal Attenuation Caused By Various Types of Objects Object in Signal Path
Signal Attenuation through Object
Plasterboard wall 3 dB
Glass wall with metal frame 6 dB
Cinder block wall 4 dB
Office window 3 dB
Metal door 6 dB
Metal door in brick wall 12 dB
Human body 3 dB
Each site surveyed has different levels of multipath distortion, signal loses, and signal noise. Hospitals are typically the most challenging environment to survey due to high multipath distortion, signal losses and signal noise. Hospitals take longer to survey, require a denser population of access points, and require higher performance standards. Manufacturing and shop floors are the next hardest to survey. These sites generally have metal siding and many metal objects on the floor, which result in reflected signals that recreate multipath distortion. Office buildings and hospitality sites generally have high signal attenuation but a lesser degree of multipath distortion.
https://www.cisco.com/c/en/us/support/docs/wireless-mobility/wireless-lan-wlan/71642-vocera-deploy-guid

NEW QUESTION 60
A network engineer is working on a predictive WLAN design, the new wireless network must support access to Internet, email, voice, and the inventory database, to successfully support these services, which configuration must the engineer use for the signal strength levels and SNR on the planning tool?

A. signal strength of -67 dBm, 25-dB SNR, and maximum 1 percent packet loss.
B. signal strength of -67 dBm, 20-dB SNR, and maximum 5 percent, packet loss.
C. signal strength of 67 dBm, 20-dB SNR, and maximum 1 percent packet loss.
D. signal strength of-70 dBm,30-dB SN
E. and maximum 10 percent packet loss.

Answer: A

Explanation:
https://www.cisco.com/c/en/us/support/docs/wireless/5500-series-wireless-controllers/116057site-survey-gu

NEW QUESTION 63
A customer has two Cisco 550B WLCs that manage all the access points in their network and provide N+1 redundancy and load balancing. The primary Cisco WLC has 60 licenses and the secondary Cisco WLC has 40. The customer wants to convert the N+1 model to an HA model and provide SSO. Configuration must be performed during a maintenance window. After performing all the configurations on both controllers, the config redundancy unit secondary command is issued on the secondary Cisco WLC and it fails. Which parameter needs to be in place to complete the configuration?

A. A cable in the RP port
B. The secondary Cisco WLC needs a minimum of 50 base licenses
C. The primary Cisco WLC is already set as the secondary unit.
D. SSO needs to be enabled

Answer: B

Explanation:
- With Release 7.4, an HA-SKU secondary controller can be configured as a backup controller for N+1 HA. For example, the following can be used as an HA-SKU controller:
  - 5508 Series Standalone controller with 50 AP license

NEW QUESTION 68
An AP is receiving 802.11 packets on its 802.11a radio with an RSSI value of -77 dBm. The current AP is part of an AP group that has been assigned an RF profile with RX-SOP set to Medium for 802.11a. Which action does the AP take with the packets?

A. All frames are classified as non-Wi-Fi frames and are not decoded by the 5 GHz radio.
B. Frames are decoded by the 2.4 GHz radio.
C. All frames are classified as non-Wi-Fi frames and are not decoded by the 2.4 GHz radio.
D. Frames are decoded by the 5 GHz radio.

Answer: C

NEW QUESTION 70
Campus users report a poor wireless experience. An engineer investigating the issue notices that in high-density areas, the wireless clients fail to switch the AP to which are automatically connected. This sticky client behavior is causing roaming issues. Which feature must the engineer configure?

A. Load balancing and band select
B. optimized roaming
C. Layer 3 roaming
D. Layer 2 roaming

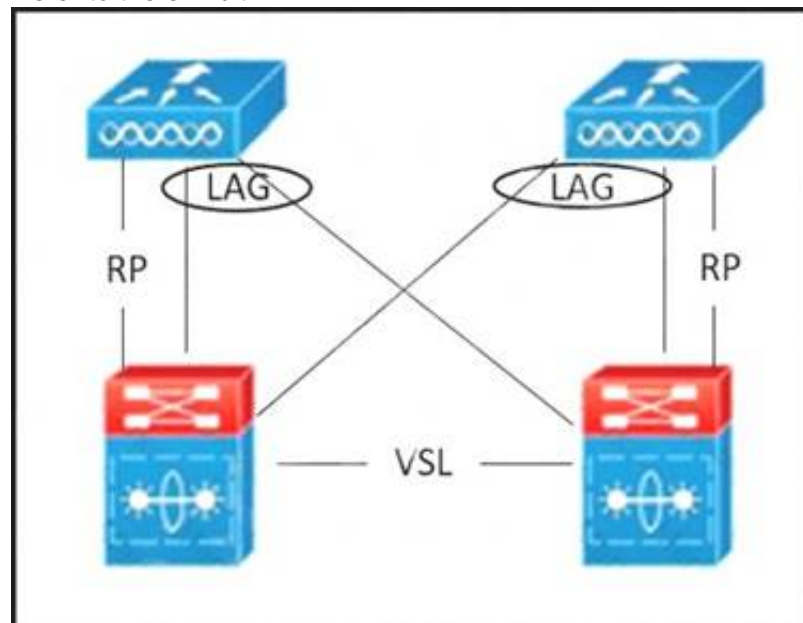**Answer:** B

Explanation:
https://www.cisco.com/c/en/us/td/docs/wireless/controller/technotes/80/hdx_final/b_hdx_dg_final/high_de

NEW QUESTION 74
Refer to the exhibit.

A WLC SSO pair is set up. Which failure scenario causes a split-brain scenario?

A. RP is down.
B. Two distribution ports on the active WLC are down.
C. VSL is down.
D. One distribution port on the active WLC is down.

Answer: C

NEW QUESTION 78
An engineer has deployed a group of APs in an auditorium and notices that the APs are showing high cochannel interference. Which profile can be used to adjust the parameters for these high-density APs?

A. QoS profile
B. AVC profile
C. RF profile
D. ISE profile

Answer: C

Explanation:

Information About RF Profiles

RF Profiles allows you to tune groups of APs that share a common coverage zone together and selectively change how RRM will operates the APs within that coverage zone.

For example, a university might deploy a high density of APs in an area where a high number of users will congregate or meet. This situation requires that you manipulate both data rates and power to address the cell density while managing the co-channel interference. In adjacent areas, normal coverage is provided and such manipulation would result in a loss of coverage.

NEW QUESTION 81
A wireless deployment in a high-density environment is being used by vendors to process credit card payment transactions via handheld mobile scanners. The scanners are having problems roaming between access points in the environment. Which feature on the wireless controller should have been incorporated in the design?

A. RX SOP
B. 802.11w
C. AP Heartbeat Timeout
D. Application Visibility Control

Answer: A

Explanation:
https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-5/configguide/b_cg85/advanced_wireless_tuning.ht

NEW QUESTION 82
Refer to the exhibit.

Which two statements about Cisco Prime Infrastructure are true? (Choose two.)

A. It presents the recommended number of APs for the selected coverage area based on the selections made.
B. Planning mode requires a special license in Cisco Prime Infrastructure.
C. It shows the map editor feature in Cisco Prime Infrastructure.
D. Controllers must be synchronized with Cisco Prime Infrastructure for planning mode to work.
E. It shows the planning mode feature in Cisco Prime Infrastructure.

Answer: DE

Explanation:

Use Planning Mode to Calculate Access Point Coverage Requirements

Prime Infrastructure planning mode lets you calculate the number of access points (APs) required to cover an area by placing fictitious APs on a map and viewing the coverage area. Based on the throughput specified for each protocol (802.11a/n or 802.11b/g/n), planning mode calculates the total number of APs required to provide optimum coverage in your network. You can calculate the recommended number and location of APs based on the following criteria:

NEW QUESTION 83
A wireless engineer is using Ekahau site survey to validate that an existing wireless network is operating as expected, which type of survey should be using to identify the end-to-end network performance?

A. GPS assisted
B. Spectrum analysis
C. Passive
D. Active ping

Answer: B

Explanation:
https://support.ekahau.com/hc/en-us/articles/115004973067-Spectrum-Analysis-Surveys

NEW QUESTION 84
An engineer must perform an assessment of a customer LAN for a future IEEE 802.11ac Wave 2 wireless deployment All access switches are Fast Ethernet-Capable only, and the wired infrastructure between existing APs and access switches is based on the CAT 6A standard. Which two actions provide maximum support of Cisco 3800 Series access points? (Choose two.)

A. Replace the existing switches with mGig switches.
B. Replace the existing switches with gigabit switches with 10G uplinks.
C. Ensure that cable distances between access switches and APs are not longer than 100 meters.
D. Replace the existing wiring infrastructure with the CAT-7E wiring standard,
E. Ensure that cable distances between access switches and APs are not longer than 55 meters.

Answer: AC

NEW QUESTION 89
Where must the APs be mounted when used in a high-density wireless network to provide 6 dB to 20 dB of attenuation to a cell?

A. in the aisle
B. under the seat
C. above the stage
D. under the stage

Answer: B

Explanation:

Under seat or under desk mounting can provide from 6 dB to 20 dB of attenuation to the cell,

NEW QUESTION 90
An enterprise is using a Cisco AireOS controller and Wi-Fi 6 APs. The controller is installed in the head office, and the employees primarily use Apple OS devices. The APs broadcast WLAN
ENT-WLAN406558520-1 for the employees and a guest WLAN with similar naming. What needs to be enabled on the controller to optimize roaming?

A. Aggregated Probe Response Optimization
B. Fast SSID Changing
C. Load Balancing Window
D. Client Timers

Answer: B

NEW QUESTION 94
A customer has noticed that Client Band Select is enabled and no clients are utilizing the 5 GHz band. Which three parameters must be met to ensure that wireless clients use the 5 GHz band? (Choose three.)

A. Ensure that channel bonding is enabled on the WLAN.
B. Ensure that the co-channel interference has not exceeded -85 dBm.
C. Ensure that the UNII-2 extended channels are enabled on the 802.11a radios.
D. Ensure that the client is receiving RSSI above the minimum band select RSSI threshold.
E. Ensure that the client is dual-band capable.
F. Ensure that the WLAN has 802.11a enabled.

Answer: CEF

Explanation:

For 802.11a, countries are moving to open the frequency range 5.250–5.350 GHz (UNII-2)

The 5 GHz band in which 802.11a operates is divided into several different sections.

https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Mobility/emob41dg/emob41dg-wrapper/ch3_WLA

NEW QUESTION 97
WLC SSO is set up between two WLCs in a service provider network serving public spaces. On WLC
failover, it is noticed that only about half of the original client count is now showing on the secondary WLC, although it is currently showing the role as active. Which design side case explains the issue?

A. The secondary WLC platform does not support the required client count.
B. The WLCs had not completed database sync before the primary failure.
C. SSO is not configured correctly.
D. Some client sessions were in WebAuth-Req state before failover.

Answer: D

NEW QUESTION 100
A medium-sized hospitality company with 50 hotels needs to upgrade the existing WLAN in each hotel to 802.11n. During the site surveys for each hotel, what needs to be taken into consideration when determining the locations for each AP?

A. Selecting locations that are easily accessed so maintenance and upgrades can be performed quickly.
B. Selecting AP locations where power is already available.
C. Selecting APs that can be hidden in ceiling panels to provide a secure and clean aesthetic look.
D. Selecting locations that make visual assessment of the AP operation easy.

Answer: B

NEW QUESTION 105
An engineer must configure the virtual IP address on multiple controllers in a mobility group. Which rule must the engineer follows to ensure proper roaming?

A. Ensure that the DNS entry is tied to the virtual IP address of the WLC.
B. Use a unique IP address for each WLC.
C. Ensure that the DNS Host Name field is defined.
D. Use the same IP address for each WLC.

Answer: A

Explanation:

All controllers within a mobility group must be configured with the same virtual interface IP address.

NEW QUESTION 110
A high-density wireless network is designed. Which Cisco WLC configuration setting must be incorporated in the design to encourage clients to use the 5 GHz spectrum?

A. RRM
B. Cisco centralized key management
C. Band select
D. Load balancing

Answer: C

NEW QUESTION 113
An engineer is performing a predictive wireless design for a medical treatment environment, which requires data and voice services. What is the minimum requirement for the design?

A. overlapping -72 dBm coverage from two access points
B. continuous -67 dBm coverage from one access point
C. continuous -72 dBm coverage from one access point
D. overlapping -67 dBm coverage from two access points

Answer: B

Explanation:

☑ The TX power of 17 dBi is 50mW. What you see on your laptop of a -20 dBm is a good signal. Cisco's recomendation for data is a max of -72 dBm and for voice it is -65dBm. You will notice this when you start walking away from your AP. So if you are planning on adding another ap, you would want your coverage to be bordering eithe -72 dBm or -65 dBm.

So -67dBm covers both Data & Voice with a single AP

NEW QUESTION 114
Which statement about the 9800 Series Wireless Controller mobility tunnel on a Cisco Catalyst 9800 controller is true?

A. It is an IPsec tunnel with control path only.
B. It is a CAPWAP tunnel with data path only.
C. It is a CAPWAP tunnel with control path and data path.
D. It is an IPsec tunnel with control path and data path.

Answer: C

Explanation:

The Cisco Catalyst 9800 Series Wireless Controller mobility tunnel is a CAPWAP tunnel with control path (UDP 16666) and data path (UDP 16667). The control path is DTLS encypted by default. Data path DTLS can be enabled when you add the mobility peer.

https://www.cisco.com/c/en/us/td/docs/wireless/controller/9800/config-guide/b_wl_16_10_cg/mobility.html

NEW QUESTION 115
An engineer is designing a wireless network that will support many different types of wireless clients. When conducting the survey, which client must be used to ensure a consistent experience for all of the wireless clients?

A. the client that has the highest RF properties
B. the client that is used most by the company
C. the client that is used least by the company
D. the client with the worst RF characteristics

Answer: B

Explanation:

With the proliferation of clients with varying wireless capabilities, it is important to survey for the 'worst' clients in order to ensure a consistent experience across all your clients once your wireless network is in production.

https://documentation.meraki.com/MR/WiFi_Basics_and_Best_Practices/Conducting_Site_Surveys_with_MR_

NEW QUESTION 120
A wireless engineer is utilizing the voice readiness tool in Cisco Prime for a customer that wants to deploy Cisco IP phones. Which dBm range is the network inspected against?

A. -78 to -65 dBm
B. -72 to -67 dBm
C. -85 to -65 dBm
D. -85 to -67 dBm

Answer: D

Explanation:

Default voice minimum RSSI is -75 dBm. but cisco reccomend to get RSSI better than -67 dBm.

https://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/34/user/guide/bk_CiscoPrimeInfrastructu minimum is -90 and maximum is -67 for IP phone

NEW QUESTION 121
A wireless engineer is performing a post verification of a wireless network. Which two metrics does the engineer verify to ensure that the wireless network can support voice services? (Choose two.)

A. The coverage area must have a noise floor that does not exceed -87 dBm.
B. The client device must have at least an -67 dBm RSSI.
C. The rate of retransmitted packets must be 15 percent or below.
D. The rate of retransmitted packets must be 20 percent or below.
E. The client device must have at least an -65 dBm RSSI.

Answer: BC

Explanation:
1. The optimal VoWLAN Cell Edge recommendation is -67 dBm.

5. Retransmissions should be kept under 20 percent.

NEW QUESTION 123
Which two criteria must be considered when conducting an outdoor bridge site survey? (Choose two.)

A. near-far effect
B. weather
C. traffic lights
D. power lines
E. Fresnel zone

Answer: AD
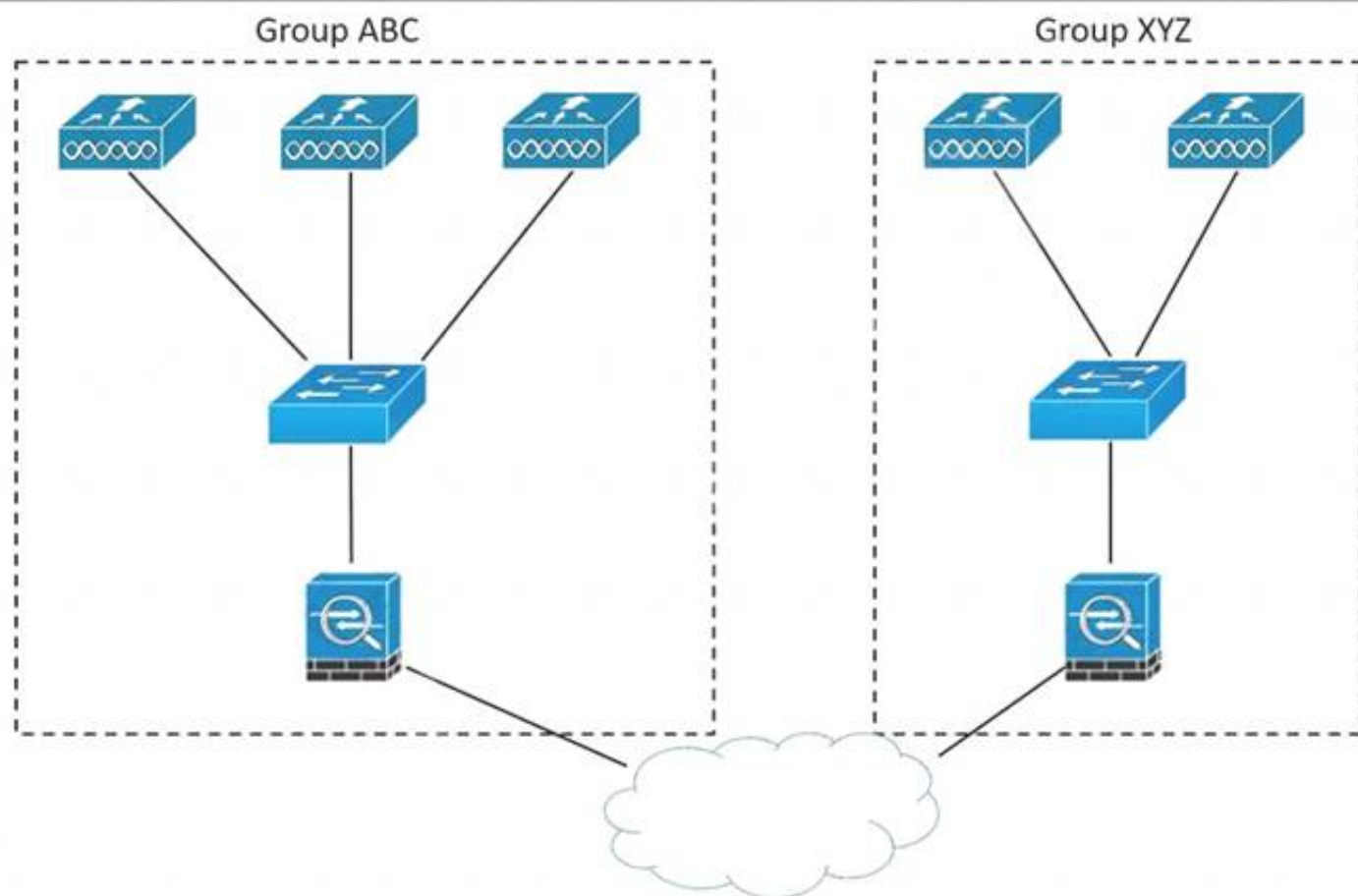
Explanation:
https://www.cisco.com/c/en/us/support/docs/wireless/5500-series-wireless-controllers/116057-site-survey-guide

NEW QUESTION 127
Refer to the exhibit.

An enterprise has offices spread around the globe. The APs are connected to different controllers installed in separate datacenters. The IT team wants to allow clients to roam from controllers in group ABC to controllers in group XYZ. Which feature must be incorporated in the design to accomplish this task?

A. switch peer group
B. workgroup bridge
C. mDNS gateway
D. mobility lists

Answer: D

NEW QUESTION 130
A customer has determined that aesthetics is a primary concern for their upcoming guest deployment. Which design consideration can be leveraged to address this concern?

A. Paint the access point to cover the LED from being noticeable.
B. Use enclosures to hide the wireless infrastructure in the surrounding environment.
C. Use AIR-AP-BRACKET-1 to allow for greater mounting locations
D. Deploy environmentally friendly cabling components to blend into the environment.

Answer: D

Explanation:

- Use cables that are resistive to bend loss if excessive bending of cables cannot be prevented due to installation constraints.

- Avoid mounting the cabling components in places that block accessibility to other equipment (such as a power strip or fans) in and out of the racks.

NEW QUESTION 131
An engineer changed the TPC Power Threshold for a wireless deployment from the default value to -65 dBm. The engineer conducts a new post-deployment Survey to validate the results. What is the expected outcome?

A. Increase cell size
B. Decreased client signal strength
C. Increased received sensitivity
D. Decreased channel overlap

Answer: A

NEW QUESTION 136
An engineer Is trying to determine the most cost-effective way to deploy high availability for a campus enterprise wireless network that currently leverages three wireless LAN controllers. Which architecture should the engineer deploy?

A. N+1 solution without SS0
B. N+1 with SSO
C. N+N solution without SSO
D. N+N with SSO

Answer: B

Explanation:
https://www.cisco.com/c/en/us/td/docs/wireless/technology/hi_avail/N1_High_Availability_Deployment_G

NEW QUESTION 140
Why is 802.11a connectivity reduced in an X-ray room?

A. X-rays create significant non-Wi-Fi interference on the 802.11a band.
B. X-rays impact the 802,11a UNlI-2 channels that cause access points to dynamically change channels.
C. X -rays within these rooms cause multipath issues.
D. X-ray rooms exhibit increased signal attenuation.

Answer: A

Explanation:
portable X-ray machines, sending high-resolution images, sometimes in real time, echography machines, and electrocardiography [ECG] machines). These devices may also use the same spectrum as Wi-Fi but with other protocols and, therefore, become sources of interference for your system.

NEW QUESTION 142
A wireless engineer must design mobility between two buildings at a campus site. The engineer has one controller at each site. The engineer is investigating inter-controller CAPWAP data and control traffic. Which two ports must be open? (Choose two.)

A. 5246
B. 5247
C. 8443
D. 16666
E. 16667

Answer: CD

NEW QUESTION 147
Drag and drop the characteristics from the left onto the correct functionalities on the right.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
https://www.cisco.com/c/en/us/td/docs/wireless/controller/7-4/configuration/guides/consolidated/b_cg74_CONS

NEW QUESTION 148
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