

300-360^{Q&As}

Designing Cisco Wireless Enterprise Networks

Pass Cisco 300-360 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.certbus.com/300-360.html>

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by Cisco
Official Exam Center

- ⚙️ **Instant Download** After Purchase
- ⚙️ **100% Money Back** Guarantee
- ⚙️ **365 Days** Free Update
- ⚙️ **800,000+** Satisfied Customers



QUESTION 1

Which purpose of using Metageek Chanalyzer during site survey is true?

- A. to verify the antenna pattern of the APs
- B. to show only the usage of the 2.4 GHz spectrum
- C. to determine the sources of non-802.11 interferences
- D. to verify the different channels used during the design of Wi-Fi networks

Correct Answer: D

A spectrum analysis tool like Chanalyzer + Wi-Spy which shows you non-WiFi interference from devices like cordless phones, wireless video cameras, and microwave ovens. After you've detected an otherwise-invisible non-WiFi device,

Chanalyzer + Wi-Spy can identify it and track it down.

<https://support.metageek.com/hc/en-us/articles/205050684-Is-Chanalyzer-a-Site-Survey-Tool->

QUESTION 2

Cisco 7925G phones are experiencing intermittent connectivity issues. The wireless survey reveals that the facility has no current coverage holes. The radios on the 2.4GHz channel have all been statically set to power level 1. Which two reasons could explain why the phones are having issues on this wireless network? (Choose two.)

- A. The phones are experiencing excessive co-channel interference.
- B. The phones only operate on the 2.4 GHz band when the power level is above 25 mW.
- C. The phones are not transmitting at the same power levels as the access points.
- D. The phones are experiencing delays of less than 30 ms within their coverage cell.
- E. The phones are receiving greater than -67 dBm RSSI on the 2.4 GHz band.

Correct Answer: AC

QUESTION 3

A customer is having issues streaming video over wireless in a few high-density areas of their campus. After further investigation, the administrator has singled out the issue pertains to the clients associated to 802.11b/g only access points. The rest of the campus is covered in 802.11n access points. What is a possible reason for the issue with video streaming on the 802.11b/g access points as opposed to the 802.11n access points?

- A. Due to the High-Density environment, there was high-utilization of the wireless spectrum. With 802.11n, the access points are able to aggregate the MSDU and MPDU frames into A-MSDU and A-MPDU frames, utilizing less airtime to transfer data.

- B. The wireless clients were all transmitting at 802.11b data rates and would have operated properly had they been transmitting and receiving at 802.11g rates.
- C. The clients could not transmit data at the highest mandatory rate of 54 Mbps due to limitations with 802.11b/g. This data-rate is only possible when transmitting at 802.11n speeds.
- D. The wireless controller was denying the client access to the video due to multicast-direct supporting the PHY rate of 48000 that the 802.11b/g client could not handle.

Correct Answer: A

QUESTION 4

IEEE 802.11k-2008 is an amendment to IEEE 802.11-2007 standard for radio resource management. A wireless engineer is designing a wireless network to support real time applications over wireless. Which IEEE protocol must the engineer enable on the WLC so that neighbor list radio management packets are sent to the wireless devices?

- A. 802.11r
- B. 802.11w
- C. 802.11i
- D. 802.11k

Correct Answer: D

You can optimize roaming for non-802.11k clients by generating a prediction neighbor list for each client without sending an 802.11k neighbor list request. When prediction based roaming enables a WLAN, after each successful client association/re-association, the same neighbor list optimization applies on the non- 802.11k client to generate and store the neighbor list in the mobile station software data structure. Clients at different locations have different lists because the client probes are seen with different RSSI values by the different neighbors as the clients usually probe before any association or re-association. This list is created with the most updated probe data and predicts the next AP that the client is likely to roam to. https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-1/Enterprise-Mobility-8-1-Design-Guide/Enterprise_Mobility_8-1_Deployment_Guide/Chapter-11.html

QUESTION 5

Which three components and tasks should be considered while planning the site survey? (Choose three.)

- A. Determine the project scope, type of deployment, timeline, scale, budget, and users
- B. Determine project stakeholders
- C. Determine customer training requirements
- D. Determine AP and controller placement
- E. Determine the customer applications that the network will support
- F. Determine radio spectrum and channel allocation

G. Schedule customer end user interviews

Correct Answer: ABE

QUESTION 6

The AP has been configured properly for a VoWLAN survey. The RF environment contains a noise of -87 to -90 dBm. What is the target value for the cell edge reading?

- A. -62 dBm
- B. -67 dBm
- C. -60 dBm
- D. -70 dBm

Correct Answer: B

QUESTION 7

An engineer is planning for a 24 Mbps data rate for a new installation.

What is the coverage area from the AP if the environment and other factors are not taken into consideration?

- A. 225 feet
- B. 80 feet
- C. 150 feet
- D. 100 feet

Correct Answer: A

QUESTION 8

An engineer wants the controller to report when a client exceeds the minimum acceptable RSSI level, to ensure support for the minimum data rate required. Which controller option must be configured?

- A. Enable coverage hole detection
- B. Enable the coverage optional mode.
- C. Set the DCA channel sensitivity to high.

D. Set the coverage exception level per AP to 0.

Correct Answer: A

If clients on a lightweight access point are detected at threshold levels (RSSI, failed client count, percentage of failed packets, and number of failed packets) lower than those specified in the RRM configuration, the access point sends a "coverage hole" alert to the controller. The alert indicates the existence of an area where clients are continually experiencing poor signal coverage, without having a viable access point to which to roam. The controller discriminates between coverage holes that can and cannot be corrected. For coverage holes that can be corrected, the controller mitigates the coverage hole by increasing the transmit power level for that specific access point. The controller does not mitigate coverage holes caused by clients that are unable to increase their transmit power or are statically set to a power level because increasing their downstream transmit power might increase interference in the

<https://www.cisco.com/c/en/us/td/docs/wireless/controller/7-0/configuration/guide/c70/c70rrm.html>

QUESTION 9

Which two factors influence the density of APs in a data-only WLAN environment? (Choose two.)

- A. the number of clients that will roam through the facility
- B. the type of controller chosen
- C. the defined coverage area and customer needs
- D. the number of APs dedicated to voice services
- E. channel reuse and WLAN bandwidth

Correct Answer: CE

QUESTION 10

Which three statements describe WLAN RF interaction with environmental situations? (Choose three.)

- A. Outdoor rain or indoor humidity affects diffraction.
- B. Outdoor rain or indoor humidity affects attenuation.
- C. RF frequency is inversely related to attenuation.
- D. RF frequency is directly related to attenuation.
- E. The human body affects diffusion.
- F. The human body affects attenuation.

Correct Answer: BDF

QUESTION 11

Which two critical requirements must be addressed in the RF site survey for wireless video surveillance? (Choose two.)

- A. packet loss
- B. jitter
- C. bandwidth
- D. channel selection
- E. WLC configuration

Correct Answer: AB

QUESTION 12

What two factors could cause a post-deployment audit to show a high retransmission rate for the WLAN? (Choose two.)

- A. CRC errors
- B. Rate shifting
- C. CCX compatible clients
- D. High SNR values
- E. High RSSI values

Correct Answer: AB

QUESTION 13

Refer to the exhibit. While testing the post-deployment WLAN network, you discover that an AP has been placed in a difficult area.



The AP cannot be moved easily because of various requirements. The client performance of various Apple and Microsoft operating system-based products does not meet expectations. Which option can help mitigate the performance issue?

- A. Add additional APs.
- B. Increase the AP power level to maximum.
- C. Rotate the AP 90 degrees to change antenna polarity.

- D. Replace the AP with an AP and external antenna.
- E. Change the AP location to one that is less RF hostile.

Correct Answer: D

QUESTION 14

Clients are experiencing artifacts in multicast video even though the network was recently upgraded to 802.11n APs. What three configuration changes will be most effective to improve performance? (Choose three.)

- A. increase mandatory data rate
- B. enable 40 MHz wide channels
- C. enable Call Admission Control
- D. increase QoS marking on multicast
- E. enable VideoStream
- F. disable Multicast Messaging

Correct Answer: BCE

QUESTION 15

An engineer is deploying outdoor Cisco Aironet 1500 Series Access Points and wants to protect the network from overvoltage transients. Which two protection methods must be used? (Choose two)

- A. lightning arrestor
- B. grounding lug
- C. antenna diversity
- D. temperature control
- E. PoE output

Correct Answer: AB

QUESTION 16

An engineer is deploying centralized wireless solution with a 5508 controller. What is the most AP licenses that can be

supported?

- A. 100
- B. 250
- C. 1000
- D. 500

Correct Answer: D

You can order Cisco 5500 Series Controllers with support for 12, 25, 50, 100, 250 or 500 APs as the controller's base capacity. You can add additional AP capacity through capacity adder licenses available at 25, 50, 100 and 250 AP capacities. You can add the capacity adder licenses to any base license in any combination to arrive at the maximum capacity of 500 APs. <http://www.cisco.com/c/en/us/support/docs/wireless/5500-series-wireless-controllers/112926-5508wlc-license.html>

QUESTION 17

When planning to perform a customer WLAN site survey, which three components and tasks should be considered? (Choose three.)

- A. Schedule a meeting with the customer to discuss the Statement of Work
- B. Complete the Pre-Survey Customer Questionnaire
- C. Schedule customer end user interviews
- D. Consider travel, access, and equipment requirements necessary to perform the site survey
- E. Schedule initial customer meeting and pre-survey walkthrough events
- F. Determine radio spectrum and channel allocation
- G. Determine AP and controller placement
- H. Determine customer training requirements

Correct Answer: BDE

QUESTION 18

A network engineer is configuring QoS with a DSCP value of 46. To which queue must the CoS be mapped for priority queuing of the voice frames?

- A. 1
- B. 2
- C. 5

D. 4

E. 3

Correct Answer: C

QUESTION 19

You are planning the coverage for wireless VoIP by using Ekahau. Which signal strength does Ekahau recommend using for VoIP?

A. -84 dBm

B. -76 dBm

C. -67 dBm

D. -53 dBm

Correct Answer: C

Each vendor has their own recommended signal strength for a given data rate or application. For instance, one vendor may recommend designing their VoIP solution at -67 dBm (perhaps the most widely-used value for VoIP deployment if I had to choose one), while another may say -70 dBm. In most cases the values will differ only by a couple dB.

<https://www.ekahau.com/blog/2015/01/13/ekahau-site-survey-heatmap-visualizations-part-2-signal-strength/>

QUESTION 20

An engineer receives a digital image scanned from the floor plans of a facility to be surveyed for wireless survey and imported it into Air Magnet Pro. However, the document contains no scale. Which action can the engineer take to most accurately calibrate the size of the floor plan in Air Magnet?

A. Mark the length of a hallway, then count the ceiling tiles, multiply that number by 2 and enter that value.

B. Zoom in and mark across a hallway, then count the floor tiles across that hallway and enter that value.

C. Zoom in and mark a doorway, then size it at 3 feet because most doorways are 36 inches.

D. Mark the entire longest dimension of the floorplan, then use Google Earth to measure the corresponding outside dimension and enter that value.

Correct Answer: D

QUESTION 21

A customer is deploying a mesh outdoor wireless network based on FCC standards where spectrum analysis shows significant radar energy propagating throughout the coverage area from a local weather station. Which channel must be excluded from the access points RRM calculation to avoid network disruption due to weather radar activity?

- A. 132
- B. 44
- C. 11
- D. 36

Correct Answer: A

QUESTION 22

Which two information points should a pre-site survey questionnaire contain? (Choose two.)

- A. list of clients used
- B. hours during which the survey can be performed
- C. access point density required
- D. approximate square footage of facility
- E. total number of APs in use

Correct Answer: CD

QUESTION 23

An engineer is configuring an autonomous AP for RADIUS authentication.

What two pieces of information must be known to configure the AP? (Choose two.)

- A. BVI IP address
- B. group name
- C. RADIUS IP address
- D. PAC encryption key
- E. username and password
- F. shared secret

Correct Answer: CF

QUESTION 24

An engineer is assigned to replace an older data-grade autonomous wireless network with a Cisco controllerbased wireless network to meet Voice over WLAN needs. The customer also wants all existing cable infrastructure to be reused and

no new cable be specified.

How should the engineer respond to the customer's requirements?

- A. Implement the wireless network with the restraints and decrease the TPC neighbor threshold to increase Txpower to provide overlapping cell coverage at sufficient SNR to provide for Voice over WLAN service.
- B. Implement the wireless network with the restraints and utilize high-gain antenna to provide overlapping cellcoverage at sufficient SNR to provide for Voice over WLAN service.
- C. Inform the customer that the network will not likely function as desired and a post install survey with thepossibility of some new cable would be recommended.
- D. Inform the customer that it is not possible to provide coverage and quality for Voice over WLAN usingexisting AP locations and an entire overbuild will be necessary.

Correct Answer: C

QUESTION 25

Which three parameters are used by Cisco Prime Infrastructure to generate heat maps? (Choose three.)

- A. the RSSI prediction model
- B. the AP SNR
- C. the bandwidth utilization
- D. the AP transmit power
- E. the antenna orientation
- F. the number of associated clients

Correct Answer: ADE

An RF heatmap is a graphical representation of RF wireless data where the values taken by variables are represented in maps as colors. The current heatmap is computed based on the RSSI prediction model, Antenna Orientation, and AP transmit power. https://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/3-0/user/guide/pi_ug/wireless-map_s.html

QUESTION 26

When implementing video teleconferencing over a wireless network, which three attributes should be considered when cell planning? (Choose three.)

- A. latency
- B. jitter
- C. throughput
- D. packet loss
- E. client association
- F. number of users on the network

Correct Answer: ABD

QUESTION 27

A customer is deploying a Greenfield 802.11ac network on a floor that will support approximately 300 wireless devices.

Which setting needs to be changed on Prime Infrastructure Planning Tool in order to predict the amount of access points the customer needs to service the new floor?

- A. Data Coverage Support Margin
- B. Demand Settings
- C. Add AP Field
- D. 802.11n Protocol Support

Correct Answer: B

QUESTION 28

A post-deployment active wireless site survey was just completed for a company. Which two pieces of information must be included in the site survey report? (Choose two.)

- A. client performance metrics obtained during the survey
- B. heat maps from the data that was captured
- C. floor plans for Cisco Prime Infrastructure
- D. existing WLC configurations

E. RRM recommendations for the WLC

Correct Answer: BD

QUESTION 29

An engineer is performing a predictive wireless design for a carpeted office space, which requires voice capability and location services. Which two requirements are inputs to the design? (Choose two.)

- A. overlapping -67 dBm coverage from three access points
- B. overlapping -75 dBm coverage from three access points
- C. overlapping -72 dBm coverage from two access points
- D. continuous -67 dBm coverage from one access point
- E. continuous -72 dBm coverage from one access point

Correct Answer: BD

QUESTION 30

An engineer would like to calibrate the RF environment to improve accuracy. Which wireless attribute is added to the floor-level calculation by calibrating the floor?

- A. attenuation
- B. TX power
- C. multipath
- D. SNR

Correct Answer: A

[300-360 VCE Dumps](#)

[300-360 Study Guide](#)

[300-360 Braindumps](#)

To Read the [Whole Q&As](#), please purchase the [Complete Version](#) from [Our website](#).

Try our product !

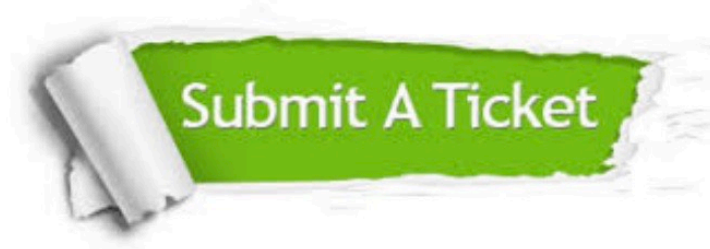
100% Guaranteed Success
100% Money Back Guarantee
365 Days Free Update
Instant Download After Purchase
24x7 Customer Support
Average 99.9% Success Rate
More than 800,000 Satisfied Customers Worldwide
Multi-Platform capabilities - [Windows](#), [Mac](#), [Android](#), [iPhone](#), [iPod](#), [iPad](#), [Kindle](#)

We provide exam PDF and VCE of Cisco, Microsoft, IBM, CompTIA, Oracle and other IT Certifications.
You can view Vendor list of All Certification Exams offered:

<https://www.certbus.com/allproducts>

Need Help

Please provide as much detail as possible so we can best assist you.
To update a previously submitted ticket:



 <p>One Year Free Update Free update is available within One Year after your purchase. After One Year, you will get 50% discounts for updating. And we are proud to boast a 24/7 efficient Customer Support system via Email.</p>	 <p>Money Back Guarantee To ensure that you are spending on quality products, we provide 100% money back guarantee for 30 days from the date of purchase.</p>	 <p>Security & Privacy We respect customer privacy. We use McAfee's security service to provide you with utmost security for your personal information & peace of mind.</p>
---	---	--

Any charges made through this site will appear as Global Simulators Limited.
All trademarks are the property of their respective owners.
Copyright © certbus, All Rights Reserved.