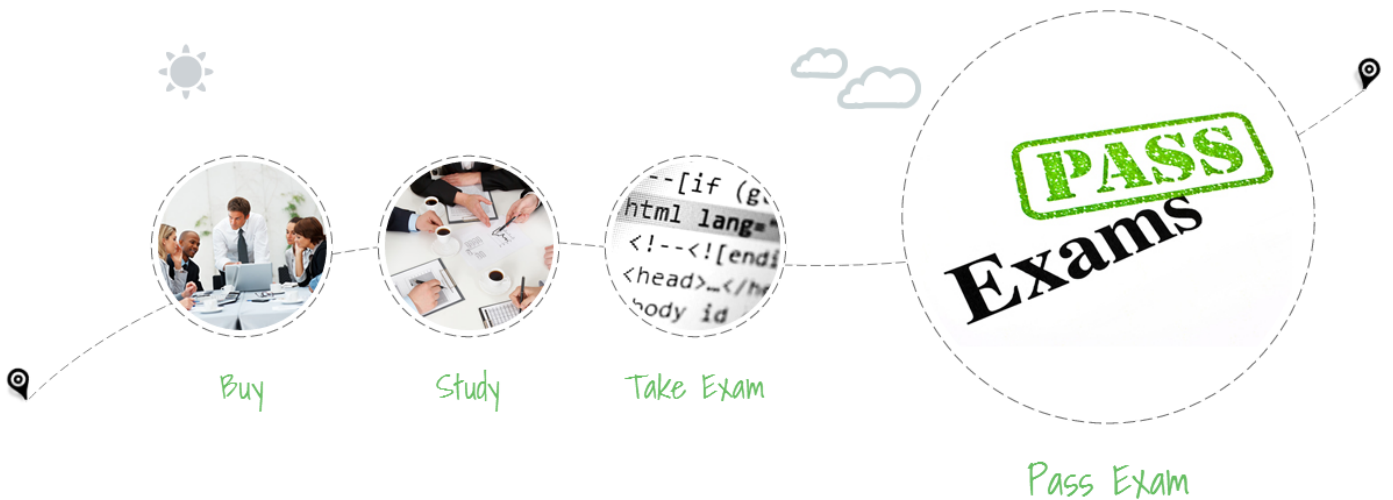


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Exam : **MSC-241**

Title : Design and Deploy for
MOTOTRBO Solutions
EMEA

Vendors : Motorola Solutions

Version : V12.35

NO.1 What will Enhanced Channel Access improve?

- A. The amount of GPS updates that can be sent on a data revert channel
- B. The amount of time from when PTT is pressed until voice is sent
- C. Call success rate
- D. Call setup time

Answer: C

NO.2 On which type of channel in an IP Site Connect system are Transmit Interrupt features supported

in repeater firmware releases R01.08.00 and higher?

- A. Wide Area Slots only
- B. Local Area Slots only
- C. Both Wide and Local Area slots
- D. Noneoftheabove

Answer: D

NO.3 You are looking to optimize battery life of radios that are close to the base station. Which is the

most likely parameter for optimizing the battery life of a radio for a Capacity Plus system?

- A. Beacon interval
- B. Beacon duration
- C. High power mode in Radio
- D. Low power mode in Radio

Answer: D

NO.4 A Capacity Plus system consists of three (3) repeaters with repeater one (1) the master and repeaters two (2) and three (3) as peers. On the 24th of May, there is a lighting strike at the site and the building lost power, causing the three repeaters to revert to DC power. The design of the site called for just the repeaters to be battery backed. However the next morning the customer calls and reports that a number of talkgroups are getting busy tones (engaged), yet other groups are seeing no busy tones (engaged) on the system. Which of the following statements BEST describe the issue?

- A. The master has gone down and taken the rest of the Capacity Plus network with it.
- B. The peers use DHCP and were not able to connect to the master and refresh their peer list and went off the Capacity Plus network as their leases expired.
- C. The switch was not on battery backup and there are no LAN connections on the Capacity Plus system, each of the repeaters are now operating as three (3) independent Capacity Plus systems.
- D. The peers use DHCP and were not able to connect to the master and refresh their peer list. The dealer should have used static IP addresses throughout.

Answer: C

NO.5 Which of the following antennas is BEST suited for providing coverage inside a tall building?

- A. 4 element Yagi
- B. Radiating coaxial cable

- C. End-fed half-wave antenna
- D. High gain collinear antenna

Answer: B

NO.6 Which of the following are TRUE statements about operating a MOTOTRBO repeater in a Capacity Plus configuration?

- A. One of its logical channels can work in trunked mode and the other logical channel can work in data revert mode.
- B. Both logical channels can work in trunked mode.
- C. Both logical channels can work in data revert mode.
- D. Only A & B are true (C is false)
- E. Only B & C are true (A is false)
- F. A, B, & C are true

Answer: F

NO.7 What changes are required to the Master Repeater in an IP Site Connect system when a new peer is added to the system?

- A. Both the IP address and port number of the new repeater must be configured into the Master Repeater.
- B. The address of the new peer must be configured into the Master Repeater.
- C. The port of the new peer must be configured into the Master Repeater.
- D. No changes are required to the Master Repeater.

Answer: D

NO.8 Which of the following are TRUE statements about operating a MOTOTRBO repeater in an IP Site Connect configuration?

- A. One of its logical channels can work in IP Site Connect mode (over wide area) and the other logical channel can work in digital repeater mode (single site over local area).
- B. Both logical channels can work in digital repeater mode (single site over local area).
- C. Both logical channels can work in IP Site Connect mode (over wide area).
- D. Only A and B are true (C is false).
- E. Only A and C are true (B is false).
- F. A, B, and C are true.

Answer: F

NO.9 A MOTOTRBO repeater is connected to a Zetron Model 35 Telephone Interconnect. If a telephone user dials the Telephone Interconnect number, they get a busy signal (engaged tone). If a radio user dials any telephone number, they don't hear the ringing tone, only silence. Upon visiting the site, you find that when a radio user dials, the relay click can be heard from the Zetron Model 35. Unplugging the RJ11 and dialing the Telephone Interconnect, still results in a busy signal (engaged tone). With this information, what do you think could be wrong?

- A. The Zetron Model 35 may be faulty.
- B. The Zetron Model 35 has probably not been configured for the phone line Ringer Equivalence Number (REN).
- C. The RJ11 cable may have a short circuit or there is a short circuit somewhere between the site and the exchange.
- D. The repeater interface cable to the Zetron Model 35 is faulty.

Answer: C

NO.10 A Capacity Plus system consists of three (3) repeaters with repeater one (1) the master and repeaters two (2) and three (3) as peers. The dealer needs to make a simple change in repeater two (2) and utilize IP repeater programming (IRP) to access the repeater remotely. A couple of days later the customer calls and complains about users getting system busy tones (engaged tones).

The dealer attempts to connect an RDAC remotely to the system with no success. He has verified he can communicate to the router at the site.

Which of the following statements BEST describes the issue?

- A. The master has gone down and taken the rest of the Capacity Plus network with it.
 - B. The master has gone down and the system is operating on just two (2) repeaters.
 - C. There is RF interference on the channel and the master repeater is unable to communicate to the peers.
 - D. The peers are using DHCP and are not able to connect to the master and refresh their peer list.
- The system is operating on just the master.

Answer: B