



H31-161^{Q&As}

HCIE-Carrier IP (Written) V2.0

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**QUESTION 1**

Which of the following statements about control words in the L2VPN are true?

- A. When SVC VLL is used, if PEs at two ends of a VC use different control words, they may not become Up.
- B. When Martini VLL is used, if PEs at two ends of a virtual connection (VC) use different control words, the VC may not become Up
- C. The control word can be used to identify the packet sequence.
- D. A control word generally has two bytes and can be extended to four bytes.
- E. The control word can be used for packet padding. For example, when the public network uses Ethernet and the AC uses Peer-to-protocol (PPP), control words can be used to transfer and identify PPP packets with a byte.

Correct Answer: D

QUESTION 2

Which statement about the MPLS LSP Ping is true?

- A. The LSP Ping Echo request must contain the downstream mapping TLV
- B. A unique Sender's Handle is generated during each LSP Ping operation
- C. A unique sequence number is generated during each LSP Ping operation
- D. The LSP Ping Echo request may contain the FEC stack TLV

Correct Answer: B

QUESTION 3

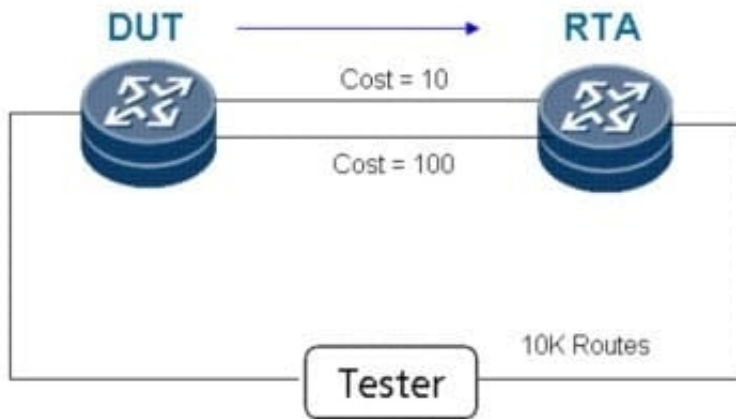
Which of the following is the maximum length of the Ethernet frame encapsulated by QinQ?

- A. 1518
- B. 1522
- C. 1526
- D. 1530

Correct Answer: C

QUESTION 4

Refer to the exhibit.



As shown in the topology, RTB directly connects to RTC through the POS interface. To implement the TE function, RTB and RTC are configured as follows: Configuration of RTB: mpls lsr-id 2.2.2.2 mpls mpls te mpls rsvp-te

mpls te cspf # isis 1 is-level level-2

cost-style compatible network-entity 00.2222.2222.2222.00 traffic-eng level-1-2 log-peer-change # interface Pos4/1/0 clock master link-protocol ppp ip address 22.33.22.33 255.255.0.0 isis enable 1 mpls mpls templates rsvp-te Configuration of RTC: # mpls lsr-id 3.3.3.3 mpls mpls te mpls rsvp-te mpls te cspf # isis 1 is-level level-2 cost-style wide network-entity 00.3333.3333.3333.00 traffic-eng level-1-2

log-peer-change # # interface Pos5/1/0 link-protocol ppp ip address 22.33.33.22 255.255.0.0 isis enable 1 mpls mpls te

mpls rsvp-te When a neighbor relationship is set up between RTB and RTC and becomes robust, the following information can be found in the LSDB of RTB.

Database information for IS-IS(1)

```

Level-2 Link State Database LSPID Seq Num Checksum Holdtime Length ATT/P/OL 2222.2222.2222.00-00*
0x00007191 0x6689 1190 239 0/0/0 SOURCE 2222.2222.2222.00 NLPID IPV4 AREA ADDR 00 INTF ADDR
22.33.22.33 NBR ID 3333.3333.3333.00 COST: 10 +NBR ID 3333.3333.3333.00 COST: 10 IP-Internal 22.33.0.0
255.255.0.0 COST: 10 +IP-Extended 22.33.0.0 255.255.0.0 COST: 10 Router ID 2.2.2.2 3333.3333.3333.00-00
0x0000001c 0x14a3 1184 188 0/0/0 SOURCE 3333.3333.3333.00 NLPID IPV4

```

AREA ADDR 00INTF ADDR 22.33.33.22 +NBR ID 2222.2222.2222.00 COST: 10 +IP-Extended 22.33.0.0 255.255.0.0 COST: 10 Router ID 3.3.3.3 Two records are generated for the same NBR ID, as shown in bold fonts. Which statement is true?

- A. The cost-style parameter of RTB is compatible. Therefore, two type-length-values (TLVs) (No.2 TLV and No.22 TLV) are generated locally. The two TLVs are the same in size.
- B. The cost-style parameter of RTB is compatible. Therefore, two TLVs (No.2 TLV and No.22 TLV) are generated locally. No.2 TLV is smaller than No.22 TLV.
- C. The cost-style parameter of RTB is compatible. Therefore, two TLVs (No.2 TLV and No.22 TLV) are generated locally. No.2 TLV is larger than No.22 TLV.
- D. It is an error indicating that the NBR TLV of a neighbor is added twice

Correct Answer: B



QUESTION 5

The VRRP is enabled on the firewall dual-system Intranet users use NAT to access extranet FTP services Which of the following statements are true?

- A. The NAT cannot be used in easy IP mode.
- B. VRIDs of the VRRP must be bound with the NAT during NAT configuration in the outbound direction between domain.
- C. VRIDs of the VRRP do not need to be bound with the NAI during NAI configuration in the outbound direction between domains.
- D. The FTP Nat Alg function must be enabled on the firewall

Correct Answer: ABD

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