



# 642-889<sup>Q&As</sup>

Implementing Cisco Service Provider Next-Generation Edge Network Services

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### QUESTION 1

An engineer is asked to explain the differences, from a customer perspective, between the currently deployed L3VPN and an upgrade to an AToM VPN solution. Which two statements describe their differences? (Choose two.)

- A. The customer edge router network would appear as directly connected
- B. The provider edge router would require less maintenance and less configuration
- C. The customer edge router forwarding rate would significantly improve
- D. No routing interaction with the provider edge router would be necessary
- E. The customer edge router should run a dynamic Interior Gateway Protocol to interact with the provider edge router

Correct Answer: AD

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### QUESTION 2

Which two Layer 2 VPN methods support interworking between customer sites with different Layer 2 encapsulation at each end (for example, Frame Relay to Ethernet interworking)? (Choose two.)

- A. AToM
- B. VPLS
- C. GET VPN
- D. L2TPv3

Correct Answer: AD

The Layer 2 Tunnel Protocol Version 3 feature expands on Cisco support of the Layer 2 Tunnel Protocol Version 3 (L2TPv3). L2TPv3 is an Internet Engineering Task Force (IETF) I2tpext working group draft that provides several enhancements to L2TP for the capability to tunnel any Layer 2 payload over L2TP. Specifically, L2TPv3 defines the L2TP protocol for tunneling Layer 2 payloads over an IP core network using Layer 2 virtual private networks (VPNs). Benefits of this feature include the following:

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### QUESTION 3

In which mode must AToM be configured when you configure Frame Relay to AAL5?

- A. bridge
- B. routed
- C. Ethernet
- D. IP

Correct Answer: B



#### QUESTION 4

Drag each item on the left to match the correct standard organization on the right.

Select and Place:

Drag each item on the left to match the correct standard organization on the right	
VPWS and VPLS	IEEE
802.1ad and 802.1ah	IETF
E-Line, E-LAN, and E-Tree	MEF

Correct Answer:

Drag each item on the left to match the correct standard organization on the right	
	802.1ad and 802.1ah
	VPWS and VPLS
	E-Line, E-LAN, and E-Tree

#### QUESTION 5

In hierarchical VPLS implementations, which two access architectures can be used between the UPE and NPE?  
(Choose two.)

- A. EoMPLS
- B. MP-BGP
- C. Frame Relay
- D. 802.1ad

Correct Answer: AD

H-VPLS uses spoke connections, usually between Layer 2 switches acting as the CE and PE devices at the service provider's point-of presence (POP). The spoke connections can be either an IEEE 802.1Q tagged connection or an MPLS LSP.

Reference: [http://www.cisco.com/en/US/docs/switches/metro/me3600x\\_3800x/software/release/12.2\\_52\\_ey/configuration/guide/swmpls.html#wp1244272](http://www.cisco.com/en/US/docs/switches/metro/me3600x_3800x/software/release/12.2_52_ey/configuration/guide/swmpls.html#wp1244272)



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