



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

Implementing Cisco Service Provider Next-Generation Edge Network Services

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### QUESTION 1

What is an advantage of using the Cisco EVC infrastructure to implement carrier-class Ethernet services that are not available on non-EVC-capable platforms?

- A. PW redundancy
- B. interworking support
- C. PW stitching support
- D. flexible frame-matching support and VLAN tag manipulation
- E. local cross-connect support

Correct Answer: D

### EVC : Flexible Frame Matching

EVC stands for Ethernet Virtual Connection and in Cisco's platforms it's used to represent Cisco's software architecture to address Carrier Ethernet Services. In MEF (Metro Ethernet Forum) terminology EVC means "Ethernet Virtual Connection/Circuit", but here EVC represents also the whole Carrier Ethernet software infrastructure developed by Cisco.

EVC has many advantages (which i will try to describe in future posts), one of them being the Flexible Frame Matching. Flexible Frame Matching is a functionality that allows each service instance to match frames with either a unique single vlan, or a list/range of vlans. It can also match single/double tagged frames, untagged frames, or everything else that belongs to the default category.

Reference: [http://www.cisco.com/web/YU/events/expo\\_08/pdfs/Carrier\\_Ethernet\\_Marek\\_Moskal.pdf](http://www.cisco.com/web/YU/events/expo_08/pdfs/Carrier_Ethernet_Marek_Moskal.pdf)

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### QUESTION 2

Which function is part of the mission of IETF?

- A. to define underlying transport technologies
- B. to provide recommendations to address public policy issues
- C. to give input on protocol standardization to the IESG
- D. to address operational and technical problems in the Internet

Correct Answer: C

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### QUESTION 3

Which two statements about implementing a separate MPLS VPN to provide customers Internet access are correct? (Choose two.)

- A. The Internet gateway router will act as a CE router.
- B. Customers will use separate interfaces for VPN and Internet access.
- C. Customers are assigned to the Internet VPN.
- D. Internet routes will be leaked from the PE global routing table to the customer VRF.

Correct Answer: AC

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### QUESTION 4

Which option describes what differentiates a U-PE from N-PE?

- A. U-PE has all BGP routes from different BGP AFIs.
- B. N-PE has VRF configured and exported via BGP.
- C. U-PE is configured to peer BGP with all other BGP neighbors.
- D. N-PE is used to physically connect customer edge routers.

Correct Answer: A

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### QUESTION 5

Which two BGP attributes prevent loops in a route reflector environment? (Choose two.)

- A. local preference
- B. cluster ID
- C. origin
- D. originator ID
- E. AS\_PATH

Correct Answer: BD

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