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Cisco 352-001

Version Demo

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Topic Break Down

Topic	No. of Questions
Topic 1, Layer 2 Control Plane	25
Topic 2, Layer 3 ControlPlane	40
Topic 3, Network Virtualization	9
Topic 4, Design Considerations	18
Topic 5, Evolving Technologies	112
Total	204

QUESTION NO: 1 - (DRAG DROP)

DRAG DROP

Drag and drop the description related to designing for network management on the left onto the NMS mechanism on the right. Not all options will be used.

Select and Place:

Descriptions	NMS mechanism
a service that accepts and stores messages in files or prints them according to a simple configuration file	packet capture
an application layer protocol that facilitates the exchange of management information between network devices	SNMP
a service that measures performance of business-critical IP applications and IP servers that utilise data, voice, and video	lawful intercept
a feature that provides for network traffic accounting, usage-based network billing and network monitoring	syslog
a feature that allows the capture of data packets flowing through, to, and from, a network device	
a service that can be implemented in networks to support authorized electronic surveillance	

ANSWER:

a service that accepts and stores messages in files or prints them according to a simple configuration file

a feature that allows the capture of data packets flowing through, to, and from, a network device

an application layer protocol that facilitates the exchange of management information between network devices

an application layer protocol that facilitates the exchange of management information between network devices

a service that measures performance of business-critical IP applications and IP servers that utilise data, voice, and video

a service that can be implemented in networks to support authorized electronic surveillance

a feature that provides for network traffic accounting, usage-based network billing and network monitoring

a service that accepts and stores messages in files or prints them according to a simple configuration file

a feature that allows the capture of data packets flowing through, to, and from, a network device

a service that can be implemented in networks to support authorized electronic surveillance
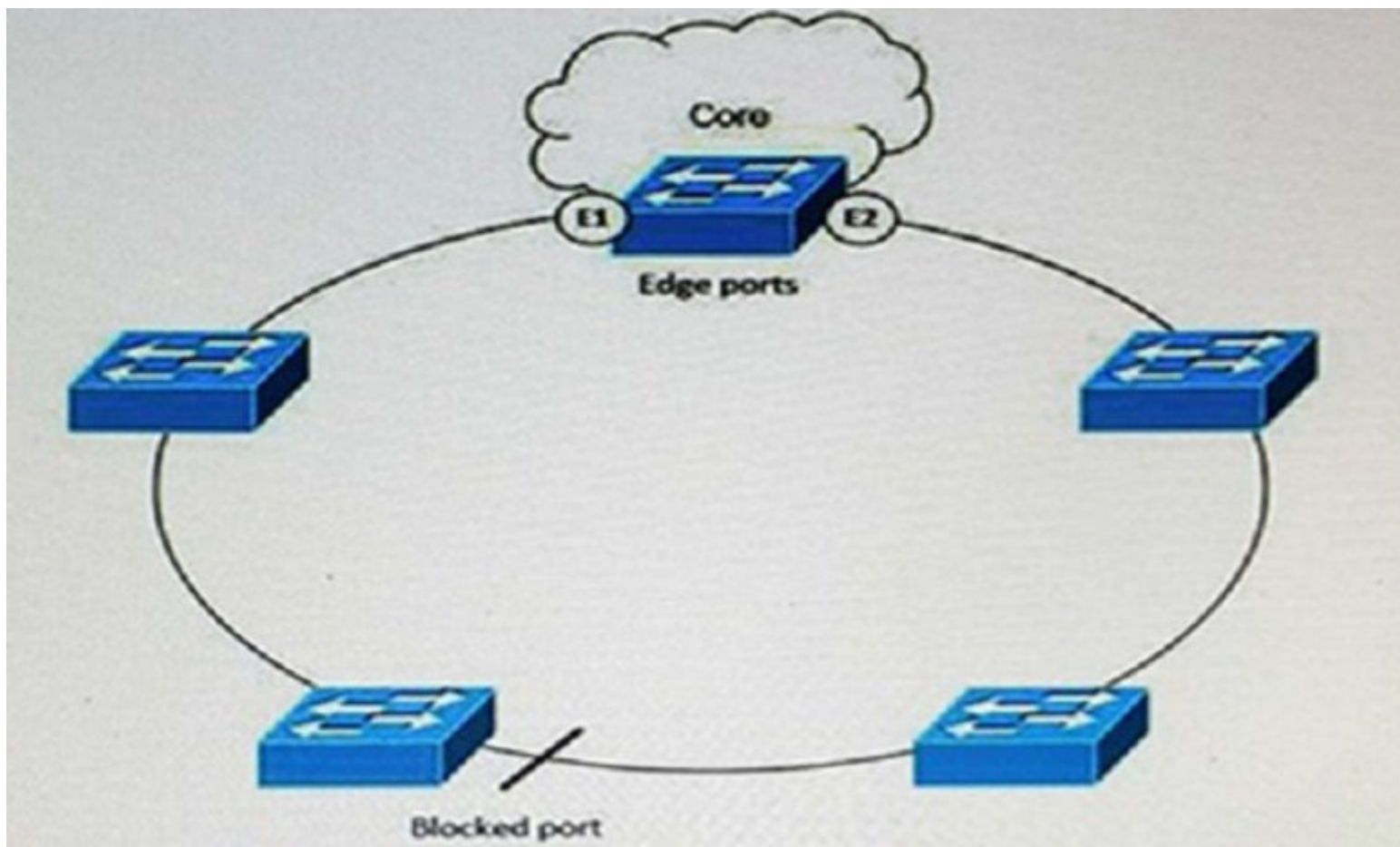
Explanation:

QUESTION NO: 2

Which feature must be part of the network design in order for the router to wait a predetermined amount of time before notifying the routing protocol of a change in the path in the network?

A. interface dampening

B. throttle timer

C. SPF hold time

D. transmit delay

ANSWER: B

QUESTION NO: 3

Refer to the exhibit. As the new network designer for a manufacturing company, you are designing this resilient Ethernet ring for the plant Ethernet network that is connected to the core, which does not use STP. Both edge ports are on the same switch in a ring segment. There is connectivity between the edge ports throughout the segment, so you create a redundant connection between any two switches in the ring. Which four options are characteristics of this design? (Choose four.)

A. If a link fails, then the alternate ports quickly unblock. When the failed ink comes back up, a physically blocked port per VLAN is selected with minimal disruption to the network.

B. If a link fails, then the alternate portsquickly unblock. Whenthe failed ink comes back up, a logically blocked port per VLAN is selected with minimal disruption to the network.

C. If VLAN load balancing is configured, then two ports in the segment control the blocked state of VLANs.

D. If VLAN load balancing is configured, then one port in the segment controls the blocked state of VLANs.

E. If all ports in the segment are operational, then one port is in the blocked state for each VLAN.

F. If one or more ports in a segment are not operational, thereby causing a linkfailure, then all ports forward traffic on all VLANs to ensure connectivity.

G. If all ports in the segment are operational, then two ports are in the blocked state for each VLAN.

ANSWER: B C E F

Explanation:

REP segments have thefollowing characteristics:

▪ If all ports in a segment are operational, one port (referred to as the alternate port) is in the blocked state for each VLAN. If VLAN load balancing is configured, two ports in the segment control the blocked state of VLANs.

▪ If one or more ports in a segment is not operational, and cause a link failure, all ports forward traffic on all VLANs to ensure connectivity.

▪ In case of a link failure, alternate ports are unblocked as quickly as possible. When the failed link is up, a logically blocked portper VLAN is selected with minimal disruption to the network.

References:

QUESTION NO: 4

When designing a network that consists of multiple IPv6 multicast servers on a Layer 2 VLAN, which option should you consider regarding IPv6 multicast traffic forwarding?

A. IPv6 multicast addresses are assigned based on networkprefix

B. IPv6 multicast flooding optimization requires Layer 2 switches support of MLD snooping.

C. IPv6 multicast addresses are assigned by IANA.

D. The RP IP address is embedded in IPv6 multicast address.

ANSWER: D

QUESTION NO: 5

You have created a network design that has two point-to-point Metro Ethernet circuits extending a single production VLAN between two data centers. Under normal circumstances, one circuit will carry traffic and spanning tree will block the other. If the company wants you to make use of both circuits to carry production traffic, which two technologies and features will you investigate to integrate into your network design? (Choose two.)

A. EtherChannel

B. MST

C. Multichassis EtherChannel

D. PVST+

ANSWER: A C

QUESTION NO: 6

Which two actions are performed at the distribution layer of the three-layer hierarchical network design model?

A. fault isolation

B. QoS classification and marking boundary

C. fast transport

D. reliability

E. redundancy and load balancing

ANSWER: D E

QUESTION NO: 7

You are developing the routing design for two merging companies that have overlapping IP address space. Which of these must you consider when developing the routing and NAT design?

A. Local to global NAT translation is done before policy-based routing

B. Local to global NAT translation is done after routing

C. Global to local NAT translation is done after policy-based routing

D. Global to local NAT translation is done before routing

ANSWER: B D

QUESTION NO: 8

Which mechanism does OSPF use to prevent loops in an MPLS Layer 3 VPNs environment?

A. sham link

B. P-Bit

C. domain ID

D. down bit

**ANSWER: D**

QUESTION NO: 9

A network has several routers running IS-IS Layer 1/Layer 2 mode on the same Ethernet segment. Which action reduces the number of the IS-IS adjacencies to a minimum in this segment?

A. Make sure that the interface priority on the backup DIS is lower than the primary DIS

B. Change all routers connected to this segment to a single-level area

C. Define only one router on the segment to be DIS

D. Change half the routers to be Layer 1-only and the other half to be Layer 2-only on this segment

ANSWER: B

QUESTION NO: 10
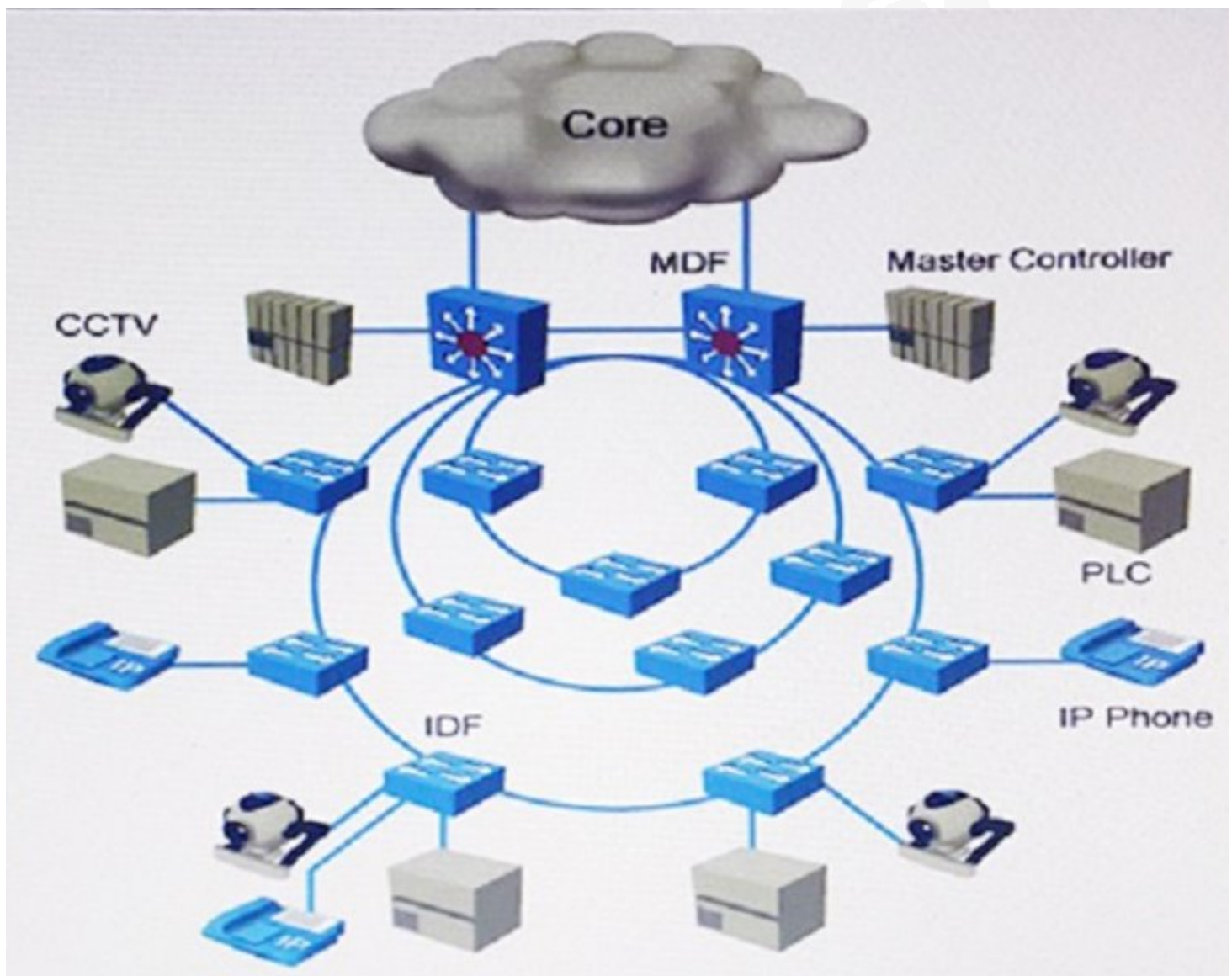
Refer to the exhibit. This smart city has decided to deploy a converged network for video surveillance and applications for utility services. These new applications are delay-sensitive and require strict convergence times of less than 50 milliseconds. The network is expected to have up to 50 intermediate distribution frames per ring. Which protocol provides less than 50 milliseconds convergence?

A. G8032

B. STP

C. G 8031

D. RSTP

ANSWER: A