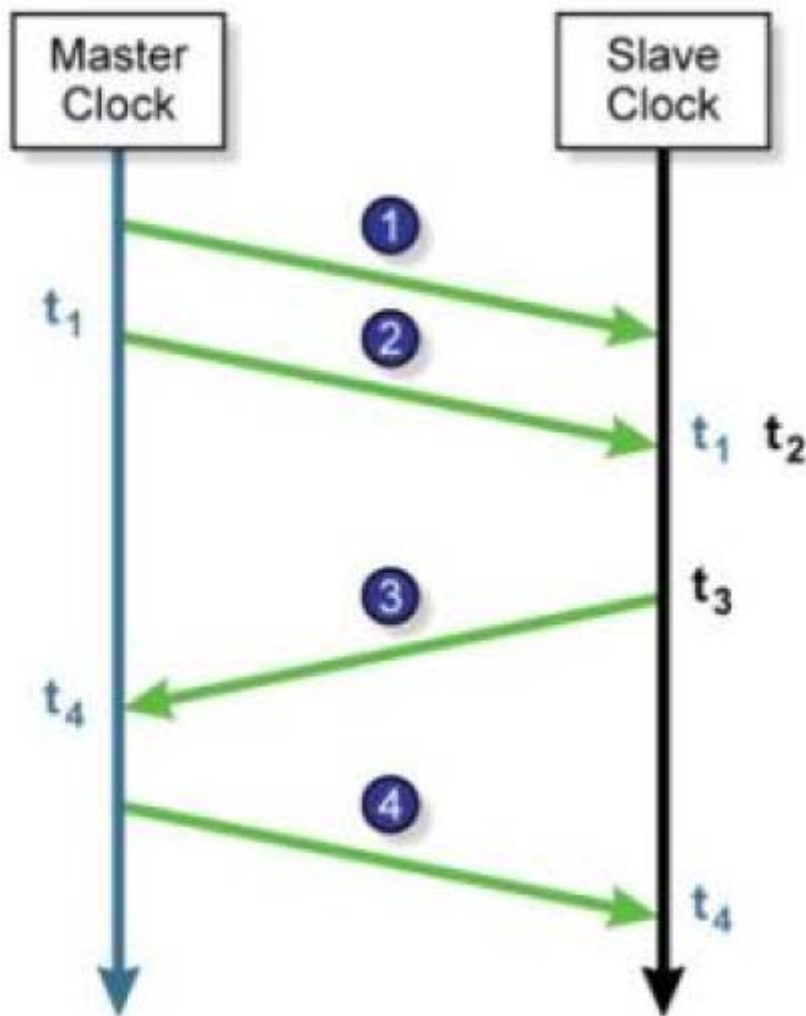**Alcatel-Lucent**

4A0-M01

Alcatel-Lucent IP/MPLS Mobile Backhaul Transport
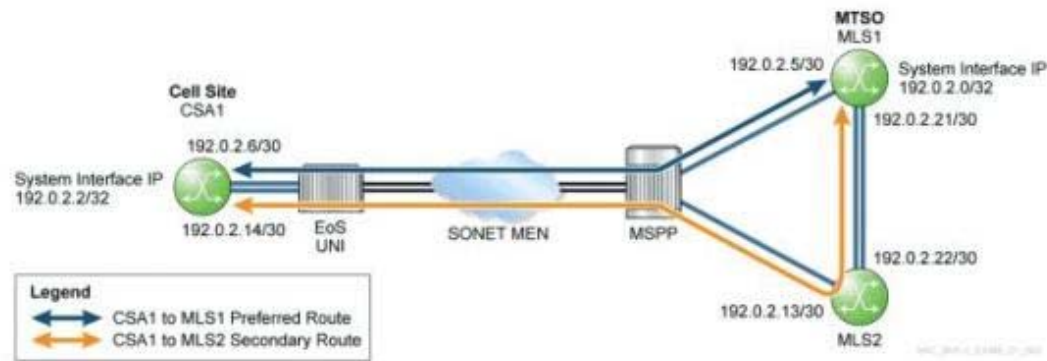
QUESTION: 139
Click on the exhibit.

Each numbered item, 1, 2, 3, and 4, represents a message exchanged between an IEEE 1588v2/Precision Time Protocol (PTP) v2 master and slave. With which message does the master pass its t1 timestamp to the slave clock at item 2?

A. Announce
B. Delay_request
C. Delay_response
D. Sync

Answer: D

QUESTION: 140
Click on the exhibit.

You wish to configure a preferred and a secondary static route on CSA1. targeting the MLS1 system interface. The preferred route must forward packets over the preferred route path as shown in the diagram. Given the following:

• BFD must be enabled on the preferred route
• BFD is configured on the interfaces
• The BFD interface transmit and receiver timers are 500 ms
• The BFD interface multiplier is 3
• The CSA1 router must choose the preferred route in normal operations

Which command example correctly configures the PREFERRED static route on CSA1?

A. configure router static-route 192 0.2.0/32 next-hop 192.0.2.0 bfd-enable
B. configure router static-route 192.0.2.0/32 next-hop 192.0.2.5 bfd-enable
C. configure router static-route 192.0.2.5/30 next-hop 192.0.2.5 500 receive 500 multiplier 3
D. configure router static-route 192.0.2.0/32 next-hop 192.0.2.13 bfd-enable precedence 10

Answer: B

QUESTION: 141
Click on the exhibit.

```
#-------------------------------------------------
echo "IP Configuration"
#-------------------------------------------------
        interface "CSA1_MLS1"
                address 192.0.2.17/31
                ldp-sync-timer 45
                port 1/2/7
                bfd 300 receive 300 multiplier 3
        exit
        interface "CSA1_MLS2"
                address 192.0.2.19/31
                ldp-sync-timer 60
                port 1/2/8
                bfd 500 receive 500 multiplier 3
        exit
        interface "system"
                address 192.0.2.2/32
        exit
#-------------------------------------------------
echo "Static Route Configuration"
#-------------------------------------------------
        static-route 192.0.2.0/32 next-hop 192.0.2.18 preference 10
        static-route 192.0.2.0/32 next-hop 192.0.2.16 bfd-enable ldp-sync
        static-route 192.0.2.1/32 next-hop 192.0.2.16 preference 10
        static-route 192.0.2.1/32 next-hop 192.0.2.18 bfd-enable ldp-sync
...
```

Given the configuration shown, and the following condition:
• The next hop interface on the preferred path to prefix 192.0.2.0/32 failed
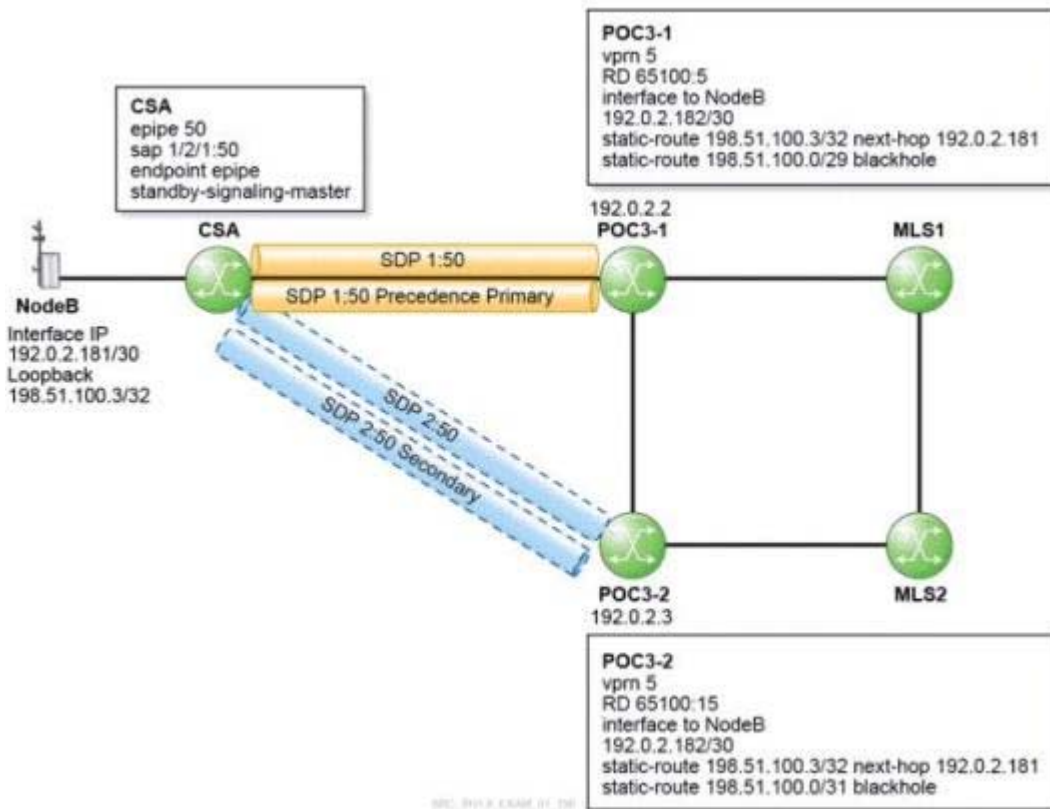• Label Distribution Protocol (LDP) is enabled on the interfaces
How long does the router wait before it moves traffic to the secondary route for this prefix?

A. 900 ms
B. 1.5 seconds
C. 45 seconds
D. 60 seconds

Answer: A

QUESTION: 142
Click on the exhibit

CSA
epipe 50
sap 1/2/1:50
endpoint epipe
standby-signaling-master

POC3-1
vprn 5
RD 65100:5
interface to NodeB
192.0.2.182/30
static-route 198.51.100.3/32 next-hop 192.0.2.181
static-route 198.51.100.0/29 blackhole

NodeB
Interface IP
192.0.2.181/30
Loopback
198.51.100.3/32

POC3-2
vprn 5
RD 65100:15
interface to NodeB
192.0.2.182/30
static-route 198.51.100.3/32 next-hop 192.0.2.181
static-route 198.51.100.0/31 blackhole

Given the diagram and the following information:
• Virtual Private Routed Network (VPRN) 5 spans the routers Point of Concentration (POC) 3-1 and 3-2 and the Multilevel Switch (MLS) routers MLS1 and MLS2
• Multiprotocol Border Gateway Protocol (MP-BGP) is configured and operational
• Pseudowire status is signaled, as shown, on the ePipe/VPRN spoke Service Distribution Points (SDPs)

What might you configure on the services illustrated to hold down the primary VPRN NodeB loopback interface static route in case of an intermittent or rapid spoke SDP failure and recovery?

A. Set port hold down timers on the CSA to POC3-1 link
B. Configure Label Distribution Protocol (LDP) Sync on the VPRN static routes
C. Enable BGP next-hop tracking in the VPRN BGP peer groups
D. SetareverttimervalueontheCSAePipe50endpoint

Answer: A

QUESTION: 143
Which three are components found in the backhaul transport Mobile Telephone Switching Office (MTSO) functional area? (Choose 3)

A. 2G Base Station Transceiver (BTS)
B. LTE Radio Network Controller (RNC)
C. EV-DO Radio Network Controller (RNC)
D. MSP Aggregation Gateway (MG)
E. GSM Base Station Controller (BSC)
F. Ethernet over SONET (EoS) UNI

Answer: C, D, E

QUESTION: 144
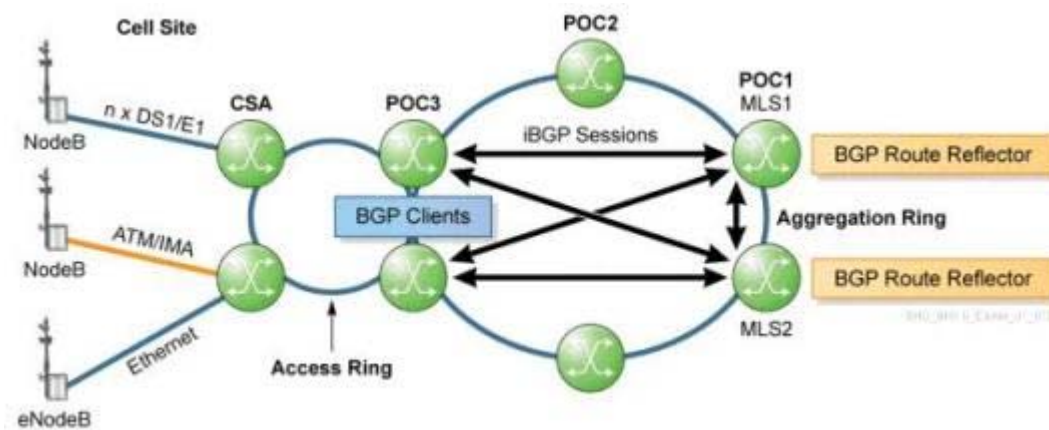In a Mobile Service Provider (MSP) network, which device aggregates traffic for delivery to the control elements?

A. BTP Aggregation Gateway (BG)
B. BTP Termination Device (BT)
C. MSP Aggregation Gateway (MG)
D. MSP Termination Device (MT)

Answer: C

QUESTION: 145
Click on the exhibit.

Given the topology shown:
Which Border Gateway Protocol (BGP) feature must be configured on MLS1 and MLS2 to allow them to act as iBGP route reflectors?

A. BGP peer tracking
B. Cluster IDs
C. BGP Route Reflection

D. Autonomous System (AS) Number

Answer: B

QUESTION: 146

Which statement describes an instance where a control word would be required in an aPipe service?

A. ATM cell mode is used to map multiple virtual circuits into a single aPipe service
B. The aPipe service transports concatenated cells from an entire virtual path
C. The service carries just the cell payload and Equal Cost Multipath (ECMP) is used in the transport
D. A cell mode service must map different ATM virtual circuits to a service based on Quality of Service (QoS) profiles

Answer: C

QUESTION: 147

The 3rd Generation Partnership Project (3GPP) wireless standards cover which three technologies? (Choose three.)

A. 2G Global Systems for Mobile (GSM)
B. 2G Code Division Multiple Access (CDMA)
C. 3G Universal Mobile Telecommunications System (UMTS)
D. 3G Evolution-Data Optimized (EV-DO)
E. 4G Long Term Evolution (LTE)
F. 3G High Rate Packet Data (HRPD)

Answer: A, C, E

QUESTION: 148

Click on the exhibit.

```
A:MLS2# show port 1/2/2.3.4.2.1

=============================================================================
TDM DS0 Chan Group
=============================================================================
Description        : DS0GRP
Interface          : 1/2/2.3.4.2.1
TimeSlots          : 1-24
Speed              : 64                CRC                : 32
Admin Status       : up                Oper Status        : up
BER SF Link Down   : disabled
Last State Change  : 11/15/2011 13:01:18   Chan-Grp IfIndex   : 574686332

Configured mode    : access            Encap Type         : atm
Admin MTU          : 1524              Oper MTU           : 1524
Scramble           : true
Physical Link      : yes               Bundle Number      : none
Idle Cycle Flags   : n/a               Load-balance-algo  : Default
Payload Fill Type  : n/a               Payload Pattern    : N/A
Signal Fill Type   : n/a               Signal Pattern     : N/A
Ing. Pool % Rate   : 100               Egr. Pool % Rate   : 100
Egr. Sched. Pol    : N/A
=============================================================================
...output truncated
```

Given the following:
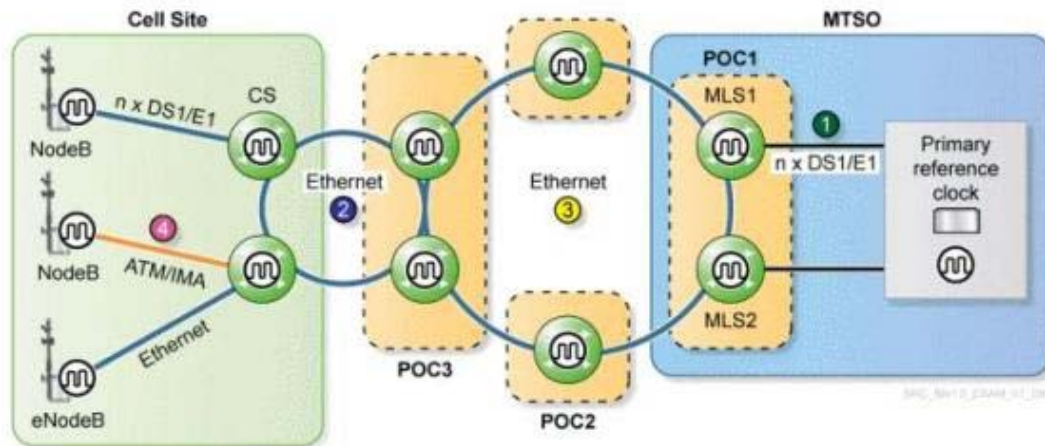• On the OC-3 port, each provisioned channel group contains all available timeslots.
The command result illustrates which OC-3 port characteristic?

A. On STS1-3,the second DS1 channel group in the fourth VTG is set for atm encapsulation
B. On STS1-3, the second E1 channelgroup in the fourth VTG uses onlythe first 24 timeslots
C. On STS1 -3, the second DS1 channel group i n the fourth TUG-2 is set for 32 timeslots
D. On STS1-3, the second VT2 in the fourth TUG-2 is set for atm encapsulation

Answer: A

QUESTION: 149
Click on the exhibit.

Given the topology shown:
Which timing solution would deliver time of day information to the NodeB connected lo the ATM/IMA link labeled 4 in the diagram?

A. TDM Line Timing
B. Adaptive clock recovery (ACR)
C. Synchronous Ethernet
D. Global Positioning System (GPS)

Answer: D

QUESTION: 150
Click on the exhibit.

```
A:MLS2# show multilink-bundle bundle-ppp-1/2.1 detail

===============================================================================
Bundle bundle-ppp-1/2.1 Detail
===============================================================================
Description           : MultiLink Bundle
Bundle Id             : bundle-ppp-1/2.1   Type                  : mlppp
Admin Status          : up                 Oper Status           : down
Minimum Links         : 1                  Bundle IfIndex        : 574619649
Total Links           : 3                  Active Links          : 2
Red Diff Delay        : 0                  Yellow Diff Delay     : 0
Red Diff Delay Act    : none               MRRU                  : 1524
Short Sequence        : true               Oper MRRU             : 1524
Oper MTU              : 1602               Fragment Threshold    : 128 bytes
Up Time               : N/A                Bandwidth             : 0 KBit
PPP Input Discards    : 0                  Primary Member Port: 1/2/1.1.1.1.1
Mode                  : access
Interleave-Frag       : false

-------------------------------------------------------------------------------
Member Port Id              #TS  Admin Oper Act Down Reason       Up Time
-------------------------------------------------------------------------------
1/2/1.1.1.1.1               31   up    up   yes N/A              0d 00:09:57
1/2/1.1.1.2.1               31   up    up   yes N/A              0d 00:09:57
1/2/1.1.1.3.1               31   up    up   no  under negotiation N/A

===============================================================================
... output truncated
```

Which condition would cause the bundle Oper Status: shown?

A. The bundle local and remote peer endpoint discriminators are mismatched
B. The bundle remote peer Layer 3 (L3) interface is down
C. The local and remote bundle MRRU values are mismatched
D. The ML-PPP bundle member links have dropped below the minimum threshold

Answer: B

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