ION x3230
SOAM Test Configuration
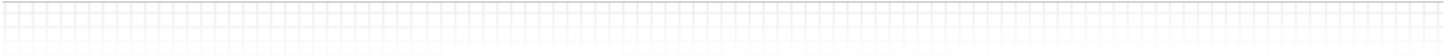
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1   SOAM Test configuration

The test setup tests SOAM between two subscriber sites: CPE1 and CPE2 (for testing it is managed in the same chassis.) This configuration will allow testing of Y.1731 (UP-MEPs, DOWN-MEPs, MIP, AIS, etc) and 802.1ag (UP- MEPs, DOWN-MEPs and MIP) and also will help verify nesting rules of Management Domains. This configuration is a typical configuration of devices for a customer network.
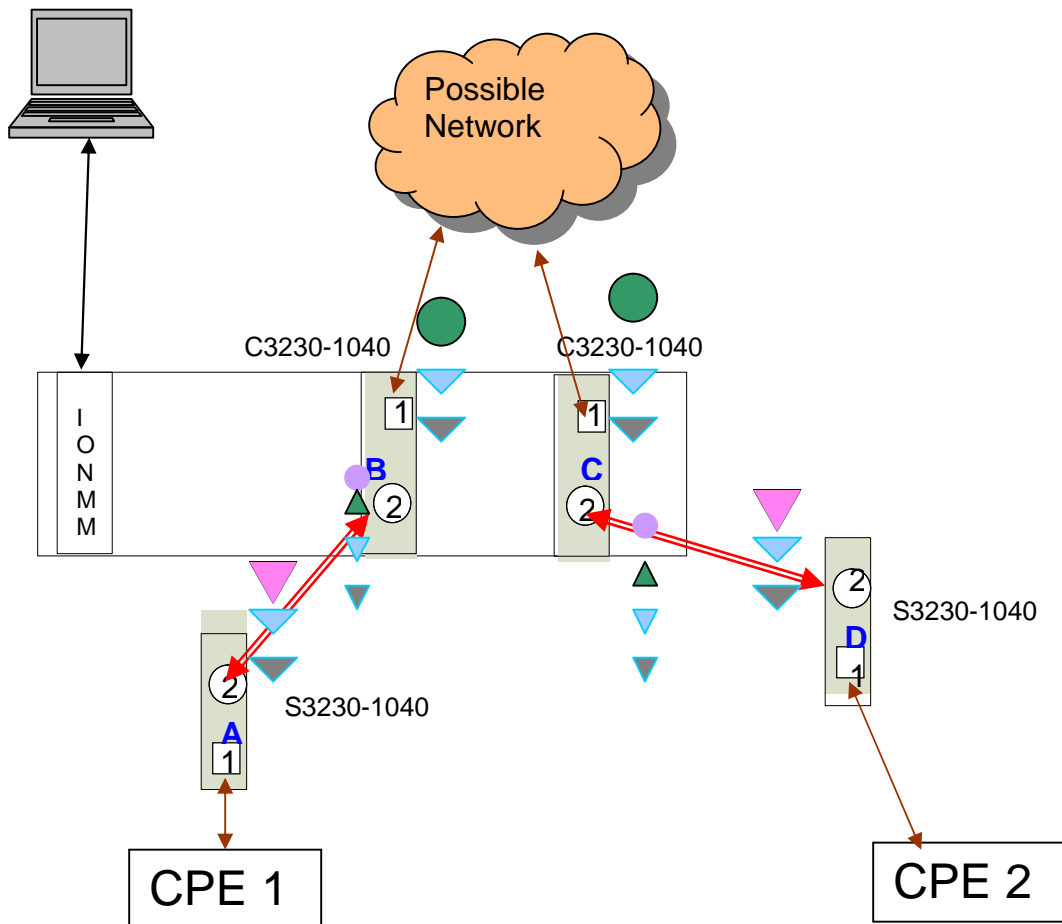
1) Two C3230-S3230 pairs will be used for SOAM testing
2) A total of 3 MEG levels will be tested as specified in the configuration document. Two of them will be C-tagged MEGs and one untagged MEG.
3) Devices A and D will have the MEPs for provider MEG, devices B and C will have the MIPs at Level 6.
4) Devices B and C will have MEPs and MIPs for operator MEG at Level 3
5) UNI MEG will be configured between A-B, B-C, and C-D.

The layouts of the MEG levels are as below:

CPE — A ⟷ B ⟷ C ⟷ D — CPE

Customer MEG (L=7)

Provider MEG (L=6)

Operator MEG (L=3)

UNI MEG (L=0)

LINK-OAM (.ah)

○ MIP   ▽ Down MEP   △ Up MEP
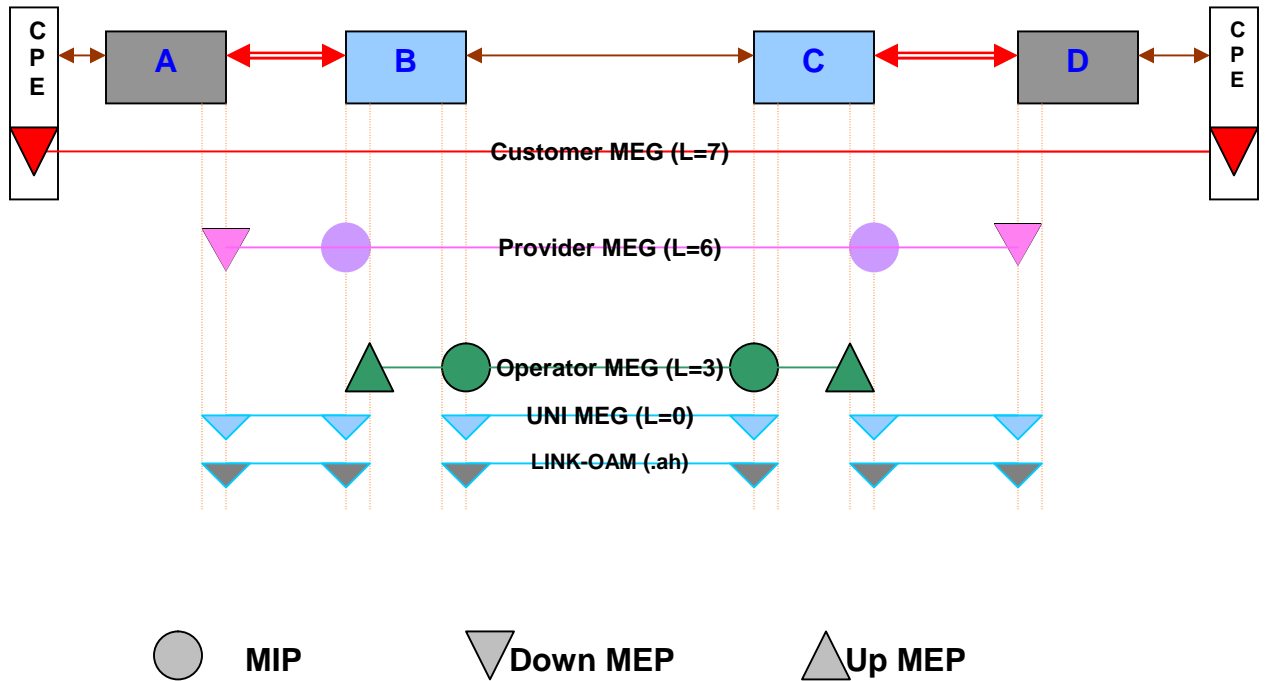
2   802.1ag Test Configuration
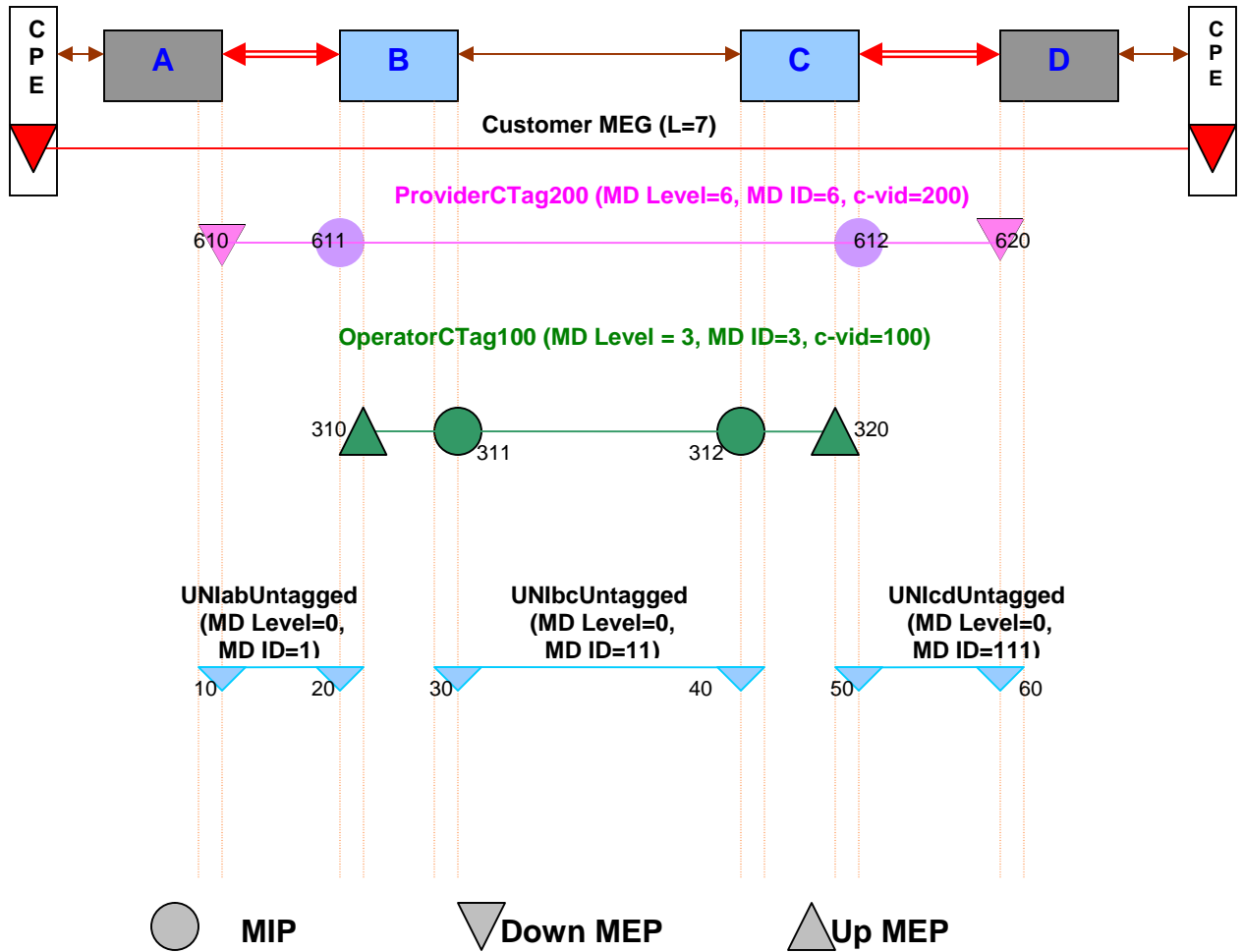
```
****************************************
* 802.1ag ( All MAs on different CTAGs) *
****************************************
```

Device A

Level 0 UNI
```
add soam md local-md-id 1 md-name UNIabMD md-level 0

add soam ma local-ma-id 1 local-md-id 1 ma-name UNIabUntagged vlan-type
none

set soam ma local-ma-id 1 attr_name mepid-add attr_value 10

set soam ma local-ma-id 1 attr_name mepid-add attr_value 20

add soam mep mep-id 10 local-parent-id 1 direction down port 2

set soam mep config mep-id 10 local-parent-id 1 attr_name admin
attr_value enable

set soam mep config mep-id 10 local-parent-id 1 attr_name cci
attr_value enable
```

Level 6 Provider MD
```
add soam md local-md-id 6 md-name ProviderMD md-level 6

add soam ma local-ma-id 6 local-md-id 6 ma-name ProviderCTag200 vlan-
type ctype 200

set soam ma local-ma-id 6 attr_name mepid-add attr_value 610

set soam ma local-ma-id 6 attr_name mepid-add attr_value 620

add soam mep mep-id 610 local-parent-id 6 direction down port 2

set soam mep config mep-id 610 local-parent-id 6 attr_name admin
attr_value enable

set soam mep config mep-id 610 local-parent-id 6 attr_name cci
attr_value enable
```

```
## Device B ###############################
## Level 0 UNI ##
add soam md local-md-id 1 md-name UNIabMD md-level 0

add soam ma local-ma-id 1 local-md-id 1 ma-name UNIabUntagged vlan-type
none

set soam ma local-ma-id 1 attr_name mepid-add attr_value 10

set soam ma local-ma-id 1 attr_name mepid-add attr_value 20

add soam mep mep-id 20 local-parent-id 1 direction down port 2

set soam mep config mep-id 20 local-parent-id 1 attr_name admin
attr_value enable

set soam mep config mep-id 20 local-parent-id 1 attr_name cci
attr_value enable

## Level 0 UNI ##
add soam md local-md-id 11 md-name UNIbcMD md-level 0

add soam ma local-ma-id 11 local-md-id 11 ma-name UNIbcUntagged vlan-
type none

set soam ma local-ma-id 11 attr_name mepid-add attr_value 30

set soam ma local-ma-id 11 attr_name mepid-add attr_value 40

add soam mep mep-id 30 local-parent-id 11 direction down port 1

set soam mep config mep-id 30 local-parent-id 11 attr_name admin
attr_value enable

set soam mep config mep-id 30 local-parent-id 11 attr_name cci
attr_value enable

## Level 3 Operator MD ##
add soam md local-md-id 3 md-name OperatorMD md-level 3

add soam ma local-ma-id 3 local-md-id 3 ma-name OperatorCTag100 vlan-
type ctype 100

set soam ma local-ma-id 3 attr_name mepid-add attr_value 310

set soam ma local-ma-id 3 attr_name mepid-add attr_value 320

add soam mep mep-id 310 local-parent-id 3 direction up port 2

set soam mep config mep-id 310 local-parent-id 3 attr_name admin
attr_value enable

set soam mep config mep-id 310 local-parent-id 3 attr_name cci
attr_value enable

add soam mip mip-type 802.1ag local-mip-id 311 local-parent-id 3 port 1
```

```
set soam mip local-mip-id 311 attr-name admin attr-val enable
```

Level 6 Provider MD

```
add soam md local-md-id 6 md-name ProviderMD md-level 6

add soam ma local-ma-id 6 local-md-id 6 ma-name ProviderCTag200 vlan-
type ctype 200

add soam mip mip-type 802.1ag local-mip-id 611 local-parent-id 6 port 2

set soam mip local-mip-id 611 attr-name admin attr-val enable
```

Device C
Level 0 UNI
add soam md local-md-id 11 md-name UNIbcMD md-level 0

add soam ma local-ma-id 11 local-md-id 11 ma-name UNIbcUntagged vlan-type none

set soam ma local-ma-id 11 attr_name mepid-add attr_value 30

set soam ma local-ma-id 11 attr_name mepid-add attr_value 40

add soam mep mep-id 40 local-parent-id 11 direction down port 1

set soam mep config mep-id 40 local-parent-id 11 attr_name admin
attr_value enable

set soam mep config mep-id 40 local-parent-id 11 attr_name cci
attr_value enable

Level 0 UNI
add soam md local-md-id 111 md-name UNIcdMD md-level 0

add soam ma local-ma-id 111 local-md-id 111 ma-name UNIcdUntagged vlan-type none

set soam ma local-ma-id 111 attr_name mepid-add attr_value 50

set soam ma local-ma-id 111 attr_name mepid-add attr_value 60

add soam mep mep-id 50 local-parent-id 111 direction down port 2

set soam mep config mep-id 50 local-parent-id 111 attr_name admin
attr_value enable

set soam mep config mep-id 50 local-parent-id 111 attr_name cci
attr_value enable

Level 3 Operator MD
add soam md local-md-id 3 md-name OperatorMD md-level 3

add soam ma local-ma-id 3 local-md-id 3 ma-name OperatorCTag100 vlan-type ctype 100

set soam ma local-ma-id 3 attr_name mepid-add attr_value 310

set soam ma local-ma-id 3 attr_name mepid-add attr_value 320

add soam mep mep-id 320 local-parent-id 3 direction up port 2

set soam mep config mep-id 320 local-parent-id 3 attr_name admin
attr_value enable

set soam mep config mep-id 320 local-parent-id 3 attr_name cci
attr_value enable

add soam mip mip-type 802.1ag local-mip-id 312 local-parent-id 3 port 1

```
set soam mip local-mip-id 312 attr-name admin attr-val enable
```

Level 6 Provider MD
```
add soam md local-md-id 6 md-name ProviderMD md-level 6

add soam ma local-ma-id 6 local-md-id 6 ma-name ProviderCTag200 vlan-
type ctype 200

add soam mip mip-type 802.1ag local-mip-id 612 local-parent-id 6 port 2

set soam mip local-mip-id 612 attr-name admin attr-val enable
```

Device D
Level 0 UNI
add soam md local-md-id 111 md-name UNIcdMD md-level 0

add soam ma local-ma-id 111 local-md-id 111 ma-name UNIcdUntagged vlan-type none

set soam ma local-ma-id 111 attr_name mepid-add attr_value 50

set soam ma local-ma-id 111 attr_name mepid-add attr_value 60

add soam mep mep-id 60 local-parent-id 111 direction down port 2

set soam mep config mep-id 60 local-parent-id 111 attr_name admin attr_value enable

set soam mep config mep-id 60 local-parent-id 111 attr_name cci attr_value enable

Level 6 Provider MD
add soam md local-md-id 6 md-name ProviderMD md-level 6

add soam ma local-ma-id 6 local-md-id 6 ma-name ProviderCTag200 vlan-type ctype 200

set soam ma local-ma-id 6 attr_name mepid-add attr_value 610

set soam ma local-ma-id 6 attr_name mepid-add attr_value 620

add soam mep mep-id 620 local-parent-id 6 direction down port 2

set soam mep config mep-id 620 local-parent-id 6 attr_name admin attr_value enable

set soam mep config mep-id 620 local-parent-id 6 attr_name cci attr_value enable

2.1 Configuration from CLI of Device A

```
C1|S12|L1AP2|L2D>#### DEVICE A ###
C1|S12|L1AP2|L2D>show soam md
Local MD ID          Name Level  MAs MIPs      Permission
-------------------------------------------------------------
          1         UNIabMD      0   1    0              none
          6       ProviderMD     6   1    0              none

C1|S12|L1AP2|L2D>show soam ma
MA index              : 1
MD index              : 1
MD level              : 0
MD name               : UNIabMD
MA name               : UNIabUntagged
CCM interval          : 1s
MEPs                  : 1
MEP ID list           : (2 MepIds) 10 20
Permission            : defer
VLAN ID list          : none
Auto detection timeout : 4000
Auto detect remote MEP : disabled

MA index              : 6
MD index              : 6
MD level              : 6
MD name               : ProviderMD
MA name               : ProviderCTag200
CCM interval          : 1s
MEPs                  : 1
MEP ID list           : (2 MepIds) 610 620
Permission            : defer
VLAN ID list          : ctype: 200
Primary VLAN ID       : 200
Auto detection timeout : 4000
Auto detect remote MEP : disabled

C1|S12|L1AP2|L2D>show soam mip config
The MIPs table is empty.

C1|S12|L1AP2|L2D>show soam mep config
MEP id                    : 10
MD local ID               : 1
MD level                  : 0
MD name                   : UNIabMD
MA local ID               : 1
MA name                   : UNIabUntagged
Direction                 : down
Port                      : 2
VLANs                     : none
Primary VLAN              : 0
Admin status              : enabled
CCI status                : enabled
Fault notification state  : Reset
Defects                   :
```

```
Next LTM transaction ID  : 1
Next LBM transaction ID  : 1
CCM and LTM priority     : 7
Fault Alarm Detect Time  : 2500 ms
Fault Alarm Reset Time   : 10000 ms
Lowest Alarm priority    : macremerrxcon

MEP id                   : 610
MD local ID              : 6
MD level                 : 6
MD name                  : ProviderMD
MA local ID              : 6
MA name                  : ProviderCTag200
Direction                : down
Port                     : 2
VLANs                    : ctype: 200
Primary VLAN             : 200
Admin status             : enabled
CCI status               : enabled
Fault notification state : Reset
Defects                  :
Next LTM transaction ID  : 1
Next LBM transaction ID  : 1
CCM and LTM priority     : 7
Fault Alarm Detect Time  : 2500 ms
Fault Alarm Reset Time   : 10000 ms
Lowest Alarm priority    : macremerrxcon

C1|S12|L1AP2|L2D>show soam mep cc mep-id 10 local-parent-id 1
MEP ID                   : 10
MD Local ID              : 1
MD level                 : 0
MD name                  : UNIabMD

Remote MEP ID            : 20
State                    : OK
TimeStamp                : 233.98 sec
MAC                      : 00:C0:F2:20:E2:18
RDI BIT                  : False
Port Status              : No Port State
Interface Status         : No Interface Status
Chassis id subtype       : None
Chassis id               :
Manage address domain    : 0.0
Manage address           :
Autodetected             : No

C1|S12|L1AP2|L2D>show soam mep cc mep-id 610 local-parent-id 6
MEP ID                   : 610
MD Local ID              : 6
MD level                 : 6
MD name                  : ProviderMD

Remote MEP ID            : 620
State                    : OK
TimeStamp                : 5569.85 sec
MAC                      : 00:C0:F2:42:01:8E
```

```
RDI BIT                 : False
Port Status             : No Port State
Interface Status        : No Interface Status
Chassis id subtype      : None
Chassis id              :
Manage address domain   : 0.0
Manage address          :
Autodetected            : No
```

2.2 Configuration from CLI of Device B

```
C1|S12|L1D>#### DEVICE B ###
C1|S12|L1D>show soam md
Local MD ID           Name Level  MAs MIPs      Permission
-------------------------------------------------------------
          1           UNIabMD     0   1   0            none
          3           OperatorMD  3   1   1            none
          6           ProviderMD  6   1   1            none
         11           UNIbcMD     0   1   0            none

C1|S12|L1D>show soam ma
MA index              : 1
MD index              : 1
MD level              : 0
MD name               : UNIabMD
MA name               : UNIabUntagged
CCM interval          : 1s
MEPs                  : 1
MEP ID list           : (2 MepIds) 10 20
Permission            : defer
VLAN ID list          : none
Auto detection timeout : 4000
Auto detect remote MEP : disabled

MA index              : 3
MD index              : 3
MD level              : 3
MD name               : OperatorMD
MA name               : OperatorCTag100
CCM interval          : 1s
MEPs                  : 1
MEP ID list           : (2 MepIds) 310 320
Permission            : defer
VLAN ID list          : ctype: 100
Primary VLAN ID       : 100
Auto detection timeout : 4000
Auto detect remote MEP : disabled

MA index              : 6
MD index              : 6
MD level              : 6
MD name               : ProviderMD
MA name               : ProviderCTag200
CCM interval          : 1s
MEPs                  : 0
MEP ID list           : (0 MepIds)
Permission            : defer
VLAN ID list          : ctype: 200
Primary VLAN ID       : 200
Auto detection timeout : 4000
Auto detect remote MEP : disabled

MA index              : 11
MD index              : 11
```

```
MD level              : 0
MD name               : UNIbcMD
MA name               : UNIbcUntagged
CCM interval          : 1s
MEPs                  : 1
MEP ID list           : (2 MepIds) 30 40
Permission            : defer
VLAN ID list          : none
Auto detection timeout : 4000
Auto detect remote MEP : disabled


C1|S12|L1D>show soam mip config
MIP id           : 311
MD local ID      : 3
MD level         : 3
MD name          : OperatorMD
VLANs            : ctype: 100
Port             : 1
Admin status     : enabled

MIP id           : 611
MD local ID      : 6
MD level         : 6
MD name          : ProviderMD
VLANs            : ctype: 200
Port             : 2
Admin status     : enabled


C1|S12|L1D>show soam mep config
MEP id                 : 20
MD local ID            : 1
MD level               : 0
MD name                : UNIabMD
MA local ID            : 1
MA name                : UNIabUntagged
Direction              : down
Port                   : 2
VLANs                  : none
Primary VLAN           : 0
Admin status           : enabled
CCI status             : enabled
Fault notification state : Reset
Defects                :
Next LTM transaction ID : 1
Next LBM transaction ID : 1
CCM and LTM priority   : 7
Fault Alarm Detect Time : 2500 ms
Fault Alarm Reset Time : 10000 ms
Lowest Alarm priority  : macremerrxcon

MEP id                 : 310
MD local ID            : 3
MD level               : 3
MD name                : OperatorMD
MA local ID            : 3
MA name                : OperatorCTag100
Direction              : up
```

```
Port                   : 2
VLANs                  : ctype: 100
Primary VLAN           : 100
Admin status           : enabled
CCI status             : enabled
Fault notification state : Reset
Defects                :
Next LTM transaction ID  : 1
Next LBM transaction ID  : 1
CCM and LTM priority   : 7
Fault Alarm Detect Time  : 2500 ms
Fault Alarm Reset Time   : 10000 ms
Lowest Alarm priority  : macremerrxcon

MEP id                 : 30
MD local ID            : 11
MD level               : 0
MD name                : UNIbcMD
MA local ID            : 11
MA name                : UNIbcUntagged
Direction              : down
Port                   : 1
VLANs                  : none
Primary VLAN           : 0
Admin status           : enabled
CCI status             : enabled
Fault notification state : Reset
Defects                :
Next LTM transaction ID  : 1
Next LBM transaction ID  : 1
CCM and LTM priority   : 7
Fault Alarm Detect Time  : 2500 ms
Fault Alarm Reset Time   : 10000 ms
Lowest Alarm priority  : macremerrxcon

C1|S12|L1D>
C1|S12|L1D>show soam mep cc mep-id 20 local-parent-id 1
MEP ID                 : 20
MD Local ID            : 1
MD level               : 0
MD name                : UNIabMD

Remote MEP ID          : 10
State                  : OK
TimeStamp              : 73229.15 sec
MAC                    : 00:C0:F2:42:01:16
RDI BIT                : False
Port Status            : No Port State
Interface Status       : No Interface Status
Chassis id subtype     : None
Chassis id             :
Manage address domain  : 0.0
Manage address         :
Autodetected           : No

C1|S12|L1D>show soam mep cc mep-id 310 local-parent-id 3
MEP ID                 : 310
```

```
MD Local ID           : 3
MD level              : 3
MD name               : OperatorMD

Remote MEP ID         : 320
State                 : OK
TimeStamp             : 77828.94 sec
MAC                   : 00:C0:F2:42:00:E0
RDI BIT               : False
Port Status           : No Port State
Interface Status      : No Interface Status
Chassis id subtype    : None
Chassis id            :
Manage address domain : 0.0
Manage address        :
Autodetected          : No


C1|S12|L1D>show soam mep cc mep-id 30 local-parent-id 11
MEP ID                : 30
MD Local ID           : 11
MD level              : 0
MD name               : UNIbcMD

Remote MEP ID         : 40
State                 : OK
TimeStamp             : 75890.96 sec
MAC                   : 00:C0:F2:42:00:DF
RDI BIT               : False
Port Status           : No Port State
Interface Status      : No Interface Status
Chassis id subtype    : None
Chassis id            :
Manage address domain : 0.0
Manage address        :
Autodetected          : No


C1|S12|L1D>
```

2.3 Configuration from CLI of Device C

```
C1|S6|L1D>### DEVICE C ###
C1|S6|L1D>show soam md
Local MD ID          Name Level  MAs MIPs      Permission
-------------------------------------------------------------
          3       OperatorMD    3    1    1            none
          6       ProviderMD    6    1    1            none
         11          UNIbcMD    0    1    0            none
        111          UNIcdMD    0    1    0            none

C1|S6|L1D>show soam ma
MA index               : 3
MD index               : 3
MD level               : 3
MD name                : OperatorMD
MA name                : OperatorCTag100
CCM interval           : 1s
MEPs                   : 1
MEP ID list            : (2 MepIds) 310 320
Permission             : defer
VLAN ID list           : ctype: 100
Primary VLAN ID        : 100
Auto detection timeout : 4000
Auto detect remote MEP : disabled

MA index               : 6
MD index               : 6
MD level               : 6
MD name                : ProviderMD
MA name                : ProviderCTag200
CCM interval           : 1s
MEPs                   : 0
MEP ID list            : (0 MepIds)
Permission             : defer
VLAN ID list           : ctype: 200
Primary VLAN ID        : 200
Auto detection timeout : 4000
Auto detect remote MEP : disabled

MA index               : 11
MD index               : 11
MD level               : 0
MD name                : UNIbcMD
MA name                : UNIbcUntagged
CCM interval           : 1s
MEPs                   : 1
MEP ID list            : (2 MepIds) 30 40
Permission             : defer
VLAN ID list           : none
Auto detection timeout : 4000
Auto detect remote MEP : disabled

MA index               : 111
MD index               : 111
```

```
MD level              : 0
MD name               : UNIcdMD
MA name               : UNIcdUntagged
CCM interval          : 1s
MEPs                  : 1
MEP ID list           : (2 MepIds) 50 60
Permission            : defer
VLAN ID list          : none
Auto detection timeout : 4000
Auto detect remote MEP : disabled


C1|S6|L1D>show soam mip config
MIP id           : 312
MD local ID      : 3
MD level         : 3
MD name          : OperatorMD
VLANs            : ctype: 100
Port             : 1
Admin status     : enabled


MIP id           : 612
MD local ID      : 6
MD level         : 6
MD name          : ProviderMD
VLANs            : ctype: 200
Port             : 2
Admin status     : enabled


C1|S6|L1D>show soam mep config
MEP id                : 320
MD local ID           : 3
MD level              : 3
MD name               : OperatorMD
MA local ID           : 3
MA name               : OperatorCTag100
Direction             : up
Port                  : 2
VLANs                 : ctype: 100
Primary VLAN          : 100
Admin status          : enabled
CCI status            : enabled
Fault notification state : Reset
Defects               :
Next LTM transaction ID  : 1
Next LBM transaction ID  : 1
CCM and LTM priority  : 7
Fault Alarm Detect Time  : 2500 ms
Fault Alarm Reset Time   : 10000 ms
Lowest Alarm priority    : macremerrxcon


MEP id                : 40
MD local ID           : 11
MD level              : 0
MD name               : UNIbcMD
MA local ID           : 11
MA name               : UNIbcUntagged
Direction             : down
```

```
Port                    : 1
VLANs                   : none
Primary VLAN            : 0
Admin status            : enabled
CCI status              : enabled
Fault notification state : Reset
Defects                 :
Next LTM transaction ID : 1
Next LBM transaction ID : 1
CCM and LTM priority    : 7
Fault Alarm Detect Time : 2500 ms
Fault Alarm Reset Time  : 10000 ms
Lowest Alarm priority   : macremerrxcon

MEP id                  : 50
MD local ID             : 111
MD level                : 0
MD name                 : UNIcdMD
MA local ID             : 111
MA name                 : UNIcdUntagged
Direction               : down
Port                    : 2
VLANs                   : none
Primary VLAN            : 0
Admin status            : enabled
CCI status              : enabled
Fault notification state : Reset
Defects                 :
Next LTM transaction ID : 1
Next LBM transaction ID : 1
CCM and LTM priority    : 7
Fault Alarm Detect Time : 2500 ms
Fault Alarm Reset Time  : 10000 ms
Lowest Alarm priority   : macremerrxcon

C1|S6|L1D>
C1|S6|L1D>show soam mep cc mep-id 320 local-parent-id 3
MEP ID                  : 320
MD Local ID             : 3
MD level                : 3
MD name                 : OperatorMD

Remote MEP ID           : 310
State                   : OK
TimeStamp               : 69334.5 sec
MAC                     : 00:C0:F2:20:E2:18
RDI BIT                 : False
Port Status             : No Port State
Interface Status        : No Interface Status
Chassis id subtype      : None
Chassis id              :
Manage address domain   : 0.0
Manage address          :
Autodetected            : No

C1|S6|L1D>show soam mep cc mep-id 40 local-parent-id 11
MEP ID                  : 40
```

```
MD Local ID            : 11
MD level               : 0
MD name                : UNIbcMD

Remote MEP ID          : 30
State                  : OK
TimeStamp              : 67397.50 sec
MAC                    : 00:C0:F2:20:E2:17
RDI BIT                : False
Port Status            : No Port State
Interface Status       : No Interface Status
Chassis id subtype     : None
Chassis id             :
Manage address domain  : 0.0
Manage address         :
Autodetected           : No

C1|S6|L1D>show soam mep cc mep-id 50 local-parent-id 111
MEP ID                 : 50
MD Local ID            : 111
MD level               : 0
MD name                : UNIcdMD

C1|S6|L1D>
```

2.4 Configuration from CLI of Device D

```
C1|S6|L1AP2|L2D>#### DEVICE D ###
C1|S6|L1AP2|L2D>show soam md
Local MD ID          Name Level  MAs MIPs      Permission
-----------------------------------------------------------
          6       ProviderMD     6   1   0            none
        111         UNIcdMD      0   1   0            none

C1|S6|L1AP2|L2D>show soam ma
MA index             : 6
MD index             : 6
MD level             : 6
MD name              : ProviderMD
MA name              : ProviderCTag200
CCM interval         : 1s
MEPs                 : 1
MEP ID list          : (2 MepIds) 610 620
Permission           : defer
VLAN ID list         : ctype: 200
Primary VLAN ID      : 200
Auto detection timeout : 4000
Auto detect remote MEP : disabled

MA index             : 111
MD index             : 111
MD level             : 0
MD name              : UNIcdMD
MA name              : UNIcdUntagged
CCM interval         : 1s
MEPs                 : 1
MEP ID list          : (2 MepIds) 50 60
Permission           : defer
VLAN ID list         : none
Auto detection timeout : 4000
Auto detect remote MEP : disabled

C1|S6|L1AP2|L2D>show soam mip config
The MIPs table is empty.


C1|S6|L1AP2|L2D>show soam mep config
MEP id               : 620
MD local ID          : 6
MD level             : 6
MD name              : ProviderMD
MA local ID          : 6
MA name              : ProviderCTag200
Direction            : down
Port                 : 2
VLANs                : ctype: 200
Primary VLAN         : 200
Admin status         : enabled
CCI status           : enabled
Fault notification state : Reset
```

```
Defects                   :
Next LTM transaction ID   : 1
Next LBM transaction ID   : 1
CCM and LTM priority      : 7
Fault Alarm Detect Time   : 2500 ms
Fault Alarm Reset Time    : 10000 ms
Lowest Alarm priority     : macremerrxcon

MEP id                    : 60
MD local ID               : 111
MD level                  : 0
MD name                   : UNIcdMD
MA local ID               : 111
MA name                   : UNIcdUntagged
Direction                 : down
Port                      : 2
VLANs                     : none
Primary VLAN              : 0
Admin status              : enabled
CCI status                : enabled
Fault notification state  : Reset
Defects                   :
Next LTM transaction ID   : 1
Next LBM transaction ID   : 1
CCM and LTM priority      : 7
Fault Alarm Detect Time   : 2500 ms
Fault Alarm Reset Time    : 10000 ms
Lowest Alarm priority     : macremerrxcon

C1|S6|L1AP2|L2D>
C1|S6|L1AP2|L2D>
C1|S6|L1AP2|L2D>show soam mep cc mep-id 620 local-parent-id 6
MEP ID                    : 620
MD Local ID               : 6
MD level                  : 6
MD name                   : ProviderMD

Remote MEP ID             : 610
State                     : OK
TimeStamp                 : 7054.16 sec
MAC                       : 00:C0:F2:42:01:16
RDI BIT                   : False
Port Status               : No Port State
Interface Status          : No Interface Status
Chassis id subtype        : None
Chassis id                :
Manage address domain     : 0.0
Manage address            :
Autodetected              : No

C1|S6|L1AP2|L2D>show soam mep cc mep-id 60 local-parent-id 111
MEP ID                    : 60
MD Local ID               : 111
MD level                  : 0
MD name                   : UNIcdMD

Remote MEP ID             : 50
```
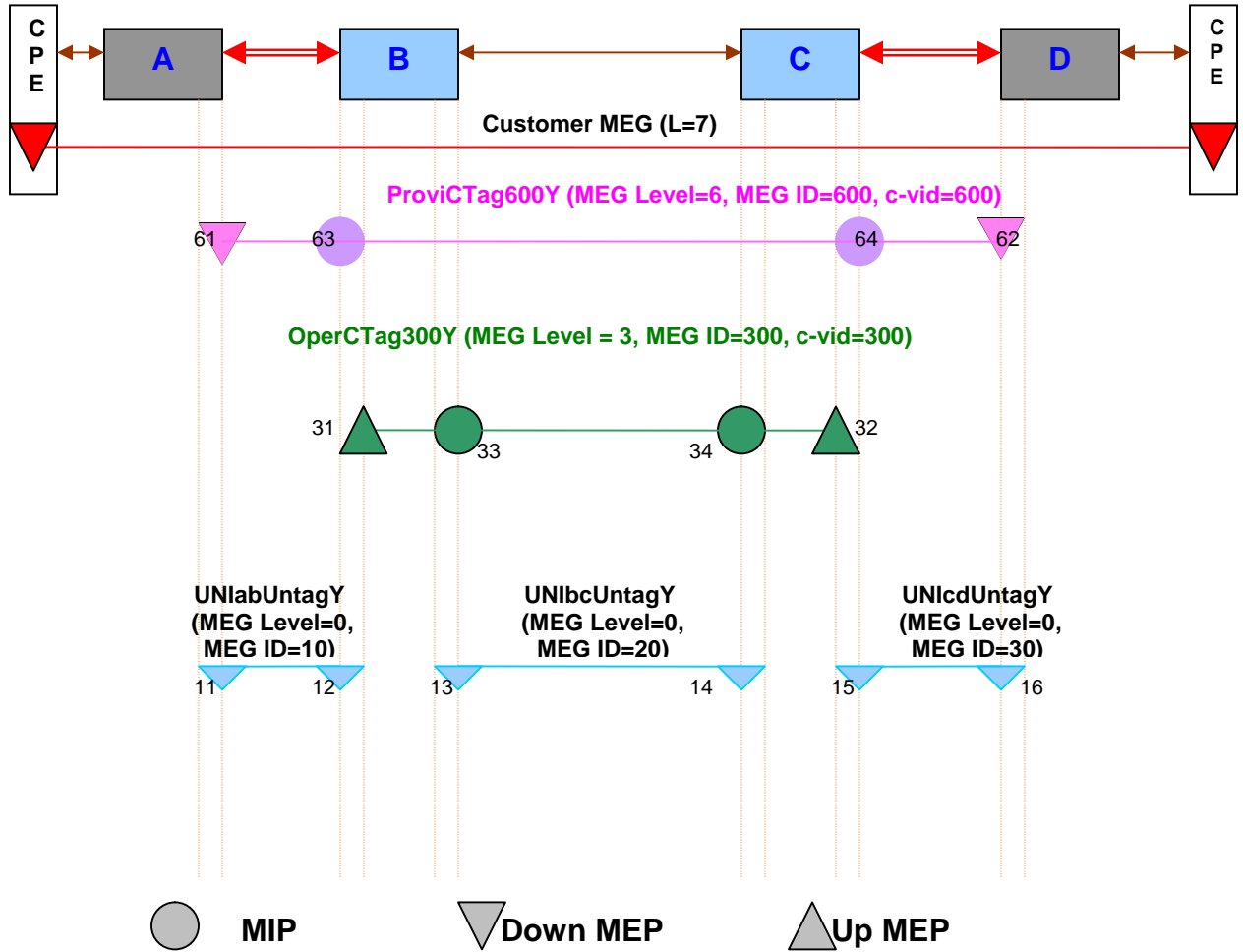
```
State                    : OK
TimeStamp                : 3853.31 sec
MAC                      : 00:C0:F2:42:00:E0
RDI BIT                  : False
Port Status              : No Port State
Interface Status         : No Interface Status
Chassis id subtype       : None
Chassis id               :
Manage address domain    : 0.0
Manage address           :
Autodetected             : No

C1|S6|L1AP2|L2D>
```

3 Y.1731 Test Configuration

Customer MEG (L=7)

ProviCTag600Y (MEG Level=6, MEG ID=600, c-vid=600)

61   63   64   62

OperCTag300Y (MEG Level = 3, MEG ID=300, c-vid=300)

31   33   34   32

UNIabUntagY
(MEG Level=0,
MEG ID=10)
11   12

UNIbcUntagY
(MEG Level=0,
MEG ID=20)
13   14

UNIcdUntagY
(MEG Level=0,
MEG ID=30)
15   16

MIP   Down MEP   Up MEP

Device A

Level 0 UNI

add soam meg local-meg-id 10 meg-name UNIabUntagY meg-level 0 vlan-type none

set soam meg local-meg-id 10 attr_name mepid-add attr_value 11

set soam meg local-meg-id 10 attr_name mepid-add attr_value 12

add soam mep mep-id 11 local-parent-id 10 direction down port 2

set soam mep config mep-id 11 local-parent-id 10 attr_name admin attr_value enable

set soam mep config mep-id 11 local-parent-id 10 attr_name cci attr_value enable

Level 6 Provider MD

add soam meg local-meg-id 600 meg-name ProvCTag600Y meg-level 6 vlan-type ctype 600

set soam meg local-meg-id 600 attr_name mepid-add attr_value 61

set soam meg local-meg-id 600 attr_name mepid-add attr_value 62

add soam mep mep-id 61 local-parent-id 600 direction down port 2

set soam mep config mep-id 61 local-parent-id 600 attr_name admin attr_value enable

set soam mep config mep-id 61 local-parent-id 600 attr_name cci attr_value enable

set soam mep config mep-id 61 local-parent-id 600 attr_name aisprocess attr_value enable

Device B

Level 0 UNI
add soam meg local-meg-id 10 meg-name UNIabUntagY meg-level 0 vlan-type
none

set soam meg local-meg-id 10 attr_name mepid-add attr_value 11

set soam meg local-meg-id 10 attr_name mepid-add attr_value 12

add soam mep mep-id 12 local-parent-id 10 direction down port 2

set soam mep config mep-id 12 local-parent-id 10 attr_name admin
attr_value enable

set soam mep config mep-id 12 local-parent-id 10 attr_name cci
attr_value enable

Level 0 UNI
add soam meg local-meg-id 20 meg-name UNIbcUntagY meg-level 0 vlan-type
none

set soam meg local-meg-id 20 attr_name mepid-add attr_value 13

set soam meg local-meg-id 20 attr_name mepid-add attr_value 14

add soam mep mep-id 13 local-parent-id 20 direction down port 1

set soam mep config mep-id 13 local-parent-id 20 attr_name admin
attr_value enable

set soam mep config mep-id 13 local-parent-id 20 attr_name cci
attr_value enable

set soam mep config mep-id 13 local-parent-id 20 attr_name aisprocess
attr_value enable

set soam mep config mep-id 13 local-parent-id 20 attr_name aisnotifyup
attr_value enable

set soam mep config mep-id 13 local-parent-id 20 attr_name aistransmit
attr_value enable

set soam mep config mep-id 13 local-parent-id 20 attr_name aisclient-
add attr_value MIP33

Level 3 Operator MD
add soam meg local-meg-id 300 meg-name OperCTag300Y meg-level 3 vlan-
type ctype 300

set soam meg local-meg-id 300 attr_name mepid-add attr_value 31

set soam meg local-meg-id 300 attr_name mepid-add attr_value 32

add soam mep mep-id 31 local-parent-id 300 direction up port 2

```
set soam mep config mep-id 31 local-parent-id 300 attr_name admin
attr_value enable

set soam mep config mep-id 31 local-parent-id 300 attr_name cci
attr_value enable

set soam mep config mep-id 31 local-parent-id 300 attr_name aisprocess
attr_value enable

set soam mep config mep-id 31 local-parent-id 300 attr_name aisnotifyup
attr_value enable
set soam mep config mep-id 31 local-parent-id 300 attr_name aistransmit
attr_value enable

set soam mep config mep-id 31 local-parent-id 300 attr_name aisclient-
add attr_value MIP63


add soam mip mip-type y.1731 local-mip-id 33 local-parent-id 300 port 1

set soam mip local-mip-id 33 attr-name admin attr-val enable

set soam mip local-mip-id 33 attr-name aistransmit attr-val enable
```

Level 6 Provider MD
```
add soam meg local-meg-id 600 meg-name ProvCTag600Y meg-level 6 vlan-
type ctype 600

add soam mip mip-type y.1731 local-mip-id 63 local-parent-id 600 port 2

set soam mip local-mip-id 63 attr-name admin attr-val enable

set soam mip local-mip-id 63 attr-name aistransmit attr-val enable
```

Device C
Level 0 UNI
add soam meg local-meg-id 20 meg-name UNIbcUntagY meg-level 0 vlan-type
none

set soam meg local-meg-id 20 attr_name mepid-add attr_value 13

set soam meg local-meg-id 20 attr_name mepid-add attr_value 14

add soam mep mep-id 14 local-parent-id 20 direction down port 1

set soam mep config mep-id 14 local-parent-id 20 attr_name admin
attr_value enable

set soam mep config mep-id 14 local-parent-id 20 attr_name cci
attr_value enable

set soam mep config mep-id 14 local-parent-id 20 attr_name aisprocess
attr_value enable

set soam mep config mep-id 14 local-parent-id 20 attr_name aisnotifyup
attr_value enable

set soam mep config mep-id 14 local-parent-id 20 attr_name aistransmit
attr_value enable

set soam mep config mep-id 14 local-parent-id 20 attr_name aisclient-
add attr_value MIP34

Level 0 UNI
add soam meg local-meg-id 30 meg-name UNIcdUntagY meg-level 0 vlan-type
none

set soam meg local-meg-id 30 attr_name mepid-add attr_value 15

set soam meg local-meg-id 30 attr_name mepid-add attr_value 16

add soam mep mep-id 15 local-parent-id 30 direction down port 2

set soam mep config mep-id 15 local-parent-id 30 attr_name admin
attr_value enable

set soam mep config mep-id 15 local-parent-id 30 attr_name cci
attr_value enable

Level 3 Operator MD
add soam meg local-meg-id 300 meg-name OperCTag300Y meg-level 3 vlan-
type ctype 300

set soam meg local-meg-id 300 attr_name mepid-add attr_value 31

set soam meg local-meg-id 300 attr_name mepid-add attr_value 32

add soam mep mep-id 32 local-parent-id 300 direction up port 2

```
set soam mep config mep-id 32 local-parent-id 300 attr_name admin
attr_value enable

set soam mep config mep-id 32 local-parent-id 300 attr_name cci
attr_value enable

set soam mep config mep-id 32 local-parent-id 300 attr_name aisprocess
attr_value enable

set soam mep config mep-id 32 local-parent-id 300 attr_name aisprocess
attr_value enable

set soam mep config mep-id 32 local-parent-id 300 attr_name aisnotifyup
attr_value enable

set soam mep config mep-id 32 local-parent-id 300 attr_name aistransmit
attr_value enable

set soam mep config mep-id 32 local-parent-id 300 attr_name aisclient-
add attr_value MIP64


add soam mip mip-type y.1731 local-mip-id 34 local-parent-id 300 port 1

set soam mip local-mip-id 34 attr-name admin attr-val enable

set soam mip local-mip-id 34 attr-name aistransmit attr-val enable
```

Level 6 Provider MD
```
add soam meg local-meg-id 600 meg-name ProvCTag600Y meg-level 6 vlan-
type ctype 600

add soam mip mip-type y.1731 local-mip-id 64 local-parent-id 600 port 2

set soam mip local-mip-id 64 attr-name admin attr-val enable

set soam mip local-mip-id 64 attr-name aistransmit attr-val enable
```

Device D
Level 0 UNI
add soam meg local-meg-id 30 meg-name UNIcdUntagY meg-level 0 vlan-type
none

set soam meg local-meg-id 30 attr_name mepid-add attr_value 15

set soam meg local-meg-id 30 attr_name mepid-add attr_value 16

add soam mep mep-id 16 local-parent-id 30 direction down port 2

set soam mep config mep-id 16 local-parent-id 30 attr_name admin
attr_value enable

set soam mep config mep-id 16 local-parent-id 30 attr_name cci
attr_value enable

Level 6 Provider MD
add soam meg local-meg-id 600 meg-name ProvCTag600Y meg-level 6 vlan-
type ctype 600

set soam meg local-meg-id 600 attr_name mepid-add attr_value 61

set soam meg local-meg-id 600 attr_name mepid-add attr_value 62

add soam mep mep-id 62 local-parent-id 600 direction down port 2

set soam mep config mep-id 62 local-parent-id 600 attr_name admin
attr_value enable

set soam mep config mep-id 62 local-parent-id 600 attr_name cci
attr_value enable

set soam mep config mep-id 62 local-parent-id 600 attr_name aisprocess
attr_value enable

3.1 Configuration from CLI of Device A

```
C1|S12|L1AP2|L2D>### DEVICE A ####
C1|S12|L1AP2|L2D>show soam meg
MEG index              : 10
MEG level              : 0
MEG name               : UNIabUntagY
CCM interval           : 1s
MEPs                   : 1
MIPs                   : 0
MEP ID list            : (2 MepIds) 11 12
Permission             : none
VLAN ID list           : none
Auto detection timeout : 4000
Auto detect remote MEP : disabled
CCI interworking       : disabled

MEG index              : 600
MEG level              : 6
MEG name               : ProvCTag600Y
CCM interval           : 1s
MEPs                   : 1
MIPs                   : 0
MEP ID list            : (2 MepIds) 61 62
Permission             : none
VLAN ID list           : ctype: 600
Primary VLAN ID        : 600
Auto detection timeout : 4000
Auto detect remote MEP : disabled
CCI interworking       : disabled

C1|S12|L1AP2|L2D>show soam mep config
MEP id                 : 11
MEG local ID           : 10
MEG level              : 0
MEG name               : UNIabUntagY
Direction              : down
Port                   : 2
VLANs                  : none
Primary VLAN           : 0
Admin status           : enabled
CCI status             : enabled
Fault notification state : Reset
Defects                :
Next LTM transaction ID  : 1
Next LBM transaction ID  : 1
CCM and LTM priority   : 7
Fault Alarm Detect Time  : 2500 ms
Fault Alarm Reset Time   : 10000 ms
Lowest Alarm priority  : macremerrxcon
AIS transmit           : disabled
AIS interval           : 1 second
AIS process            : disabled
AIS notify up          : disabled
AIS client list        : (0 MEPs, 0 MIPs)
```

```
AIS frame priority      : 1

MEP id                  : 61
MEG local ID            : 600
MEG level               : 6
MEG name                : ProvCTag600Y
Direction               : down
Port                    : 2
VLANs                   : ctype: 600
Primary VLAN            : 600
Admin status            : enabled
CCI status              : enabled
Fault notification state : Reset
Defects                 :
Next LTM transaction ID : 1
Next LBM transaction ID : 1
CCM and LTM priority    : 7
Fault Alarm Detect Time : 2500 ms
Fault Alarm Reset Time  : 10000 ms
Lowest Alarm priority   : macremerrxcon
AIS transmit            : disabled
AIS interval            : 1 second
AIS process             : enabled
AIS notify up           : disabled
AIS client list         : (0 MEPs, 0 MIPs)
AIS frame priority      : 1


C1|S12|L1AP2|L2D>show soam mip config
The MIPs table is empty.
C1|S12|L1AP2|L2D>
C1|S12|L1AP2|L2D>show soam mep cc mep-id 11 local-parent-id 10
MEP ID                  : 11
MEG Local ID            : 0
MEG level               : 0
MEG name                : UNIabUntagY

Remote MEP ID           : 12
State                   : OK
TimeStamp               : 238.98 sec
MAC                     : 00:C0:F2:20:E2:18
RDI BIT                 : False
Port Status             : No Port State
Interface Status        : No Interface Status
Chassis id subtype      : None
Chassis id              :
Manage address domain   : 0.0
Manage address          :
Autodetected            : No


C1|S12|L1AP2|L2D>show soam mep cc mep-id 61 local-parent-id 600
MEP ID                  : 61
MEG Local ID            : 0
MEG level               : 6
MEG name                : ProvCTag600Y

Remote MEP ID           : 62
State                   : OK
```

```
TimeStamp             : 3644.96 sec
MAC                   : 00:C0:F2:42:01:8E
RDI BIT               : False
Port Status           : No Port State
Interface Status      : No Interface Status
Chassis id subtype    : None
Chassis id            :
Manage address domain : 0.0
Manage address        :
Autodetected          : No
```

3.2 Configuration from CLI of Device B

```
C1|S12|L1D>### DEVICE B ####
C1|S12|L1D>
C1|S12|L1D>show soam meg
MEG index             : 10
MEG level             : 0
MEG name              : UNIabUntagY
CCM interval          : 1s
MEPs                  : 1
MIPs                  : 0
MEP ID list           : (2 MepIds) 11 12
Permission            : none
VLAN ID list          : none
Auto detection timeout : 4000
Auto detect remote MEP : disabled
CCI interworking      : disabled

MEG index             : 20
MEG level             : 0
MEG name              : UNIbcUntagY
CCM interval          : 1s
MEPs                  : 1
MIPs                  : 0
MEP ID list           : (2 MepIds) 13 14
Permission            : none
VLAN ID list          : none
Auto detection timeout : 4000
Auto detect remote MEP : disabled
CCI interworking      : disabled

MEG index             : 300
MEG level             : 3
MEG name              : OperCTag300Y
CCM interval          : 1s
MEPs                  : 1
MIPs                  : 1
MEP ID list           : (2 MepIds) 31 32
Permission            : none
VLAN ID list          : ctype: 300
Primary VLAN ID       : 300
Auto detection timeout : 4000
Auto detect remote MEP : disabled
CCI interworking      : disabled

MEG index             : 600
MEG level             : 6
MEG name              : ProvCTag600Y
CCM interval          : 1s
MEPs                  : 0
MIPs                  : 1
MEP ID list           : (0 MepIds)
Permission            : none
VLAN ID list          : ctype: 600
Primary VLAN ID       : 600
```

```
Auto detection timeout : 4000
Auto detect remote MEP : disabled
CCI interworking       : disabled

C1|S12|L1D>show soam mep config
MEP id                    : 12
MEG local ID              : 10
MEG level                 : 0
MEG name                  : UNIabUntagY
Direction                 : down
Port                      : 2
VLANs                     : none
Primary VLAN              : 0
Admin status              : enabled
CCI status                : enabled
Fault notification state  : Reset
Defects                   :
Next LTM transaction ID   : 1
Next LBM transaction ID   : 1
CCM and LTM priority      : 7
Fault Alarm Detect Time   : 2500 ms
Fault Alarm Reset Time    : 10000 ms
Lowest Alarm priority     : macremerrxcon
AIS transmit              : disabled
AIS interval              : 1 second
AIS process               : disabled
AIS notify up             : disabled
AIS client list           : (0 MEPs, 0 MIPs)
AIS frame priority        : 1

MEP id                    : 13
MEG local ID              : 20
MEG level                 : 0
MEG name                  : UNIbcUntagY
Direction                 : down
Port                      : 1
VLANs                     : none
Primary VLAN              : 0
Admin status              : enabled
CCI status                : enabled
Fault notification state  : Reset
Defects                   :
Next LTM transaction ID   : 1
Next LBM transaction ID   : 1
CCM and LTM priority      : 7
Fault Alarm Detect Time   : 2500 ms
Fault Alarm Reset Time    : 10000 ms
Lowest Alarm priority     : macremerrxcon
AIS transmit              : enabled
AIS interval              : 1 second
AIS process               : enabled
AIS notify up             : enabled
AIS client list           : (0 MEPs, 1 MIPs) MIP33
AIS frame priority        : 1

MEP id                    : 31
MEG local ID              : 300
```

```
MEG level              : 3
MEG name               : OperCTag300Y
Direction              : up
Port                   : 2
VLANs                  : ctype: 300
Primary VLAN           : 300
Admin status           : enabled
CCI status             : enabled
Fault notification state : Reset
Defects                :
Next LTM transaction ID  : 1
Next LBM transaction ID  : 1
CCM and LTM priority   : 7
Fault Alarm Detect Time  : 2500 ms
Fault Alarm Reset Time   : 10000 ms
Lowest Alarm priority  : macremerrxcon
AIS transmit           : enabled
AIS interval           : 1 second
AIS process            : enabled
AIS notify up          : enabled
AIS client list        : (0 MEPs, 1 MIPs) MIP63
AIS frame priority     : 1

C1|S12|L1D>show soam mip config
MIP id                 : 33
MEG local ID           : 300
MEG level              : 3
MEG name               : OperCTag300Y
VLANs                  : ctype: 300
Port                   : 1
Admin status           : enabled
AIS transmit           : enabled
AIS interval           : 1 second
AIS frame priority     : 7

MIP id                 : 63
MEG local ID           : 600
MEG level              : 6
MEG name               : ProvCTag600Y
VLANs                  : ctype: 600
Port                   : 2
Admin status           : enabled
AIS transmit           : enabled
AIS interval           : 1 second
AIS frame priority     : 7

C1|S12|L1D>show soam mep cc mep-id 31 local-parent-id 300
MEP ID                 : 31
MEG Local ID           : 0
MEG level              : 3
MEG name               : OperCTag300Y

Remote MEP ID          : 32
State                  : OK
TimeStamp              : 3408.97 sec
MAC                    : 00:C0:F2:42:00:E0
RDI BIT                : False
```

```
Port Status         : No Port State
Interface Status    : No Interface Status
Chassis id subtype  : None
Chassis id          :
Manage address domain : 0.0
Manage address      :
Autodetected        : No

C1|S12|L1D>show soam mep cc mep-id 12 local-parent-id 10
MEP ID              : 12
MEG Local ID        : 0
MEG level           : 0
MEG name            : UNIabUntagY

Remote MEP ID       : 11
State               : OK
TimeStamp           : 3.48 sec
MAC                 : 00:C0:F2:42:01:16
RDI BIT             : False
Port Status         : No Port State
Interface Status    : No Interface Status
Chassis id subtype  : None
Chassis id          :
Manage address domain : 0.0
Manage address      :
Autodetected        : No

C1|S12|L1D>show soam mep cc mep-id 13 local-parent-id 20
MEP ID              : 13
MEG Local ID        : 0
MEG level           : 0
MEG name            : UNIbcUntagY

Remote MEP ID       : 14
State               : OK
TimeStamp           : 399543.9 sec
MAC                 : 00:C0:F2:42:00:DF
RDI BIT             : False
Port Status         : No Port State
Interface Status    : No Interface Status
Chassis id subtype  : None
Chassis id          :
Manage address domain : 0.0
Manage address      :
Autodetected        : No

C1|S12|L1D>
```

3.3 Configuration from CLI of Device C

```
C1|S6|L1D>### DEVICE C ####
C1|S6|L1D>
C1|S6|L1D>show soam meg
MEG index              : 20
MEG level              : 0
MEG name               : UNIbcUntagY
CCM interval           : 1s
MEPs                   : 1
MIPs                   : 0
MEP ID list            : (2 MepIds) 13 14
Permission             : none
VLAN ID list           : none
Auto detection timeout : 4000
Auto detect remote MEP : disabled
CCI interworking       : disabled

MEG index              : 30
MEG level              : 0
MEG name               : UNIcdUntagY
CCM interval           : 1s
MEPs                   : 1
MIPs                   : 0
MEP ID list            : (2 MepIds) 15 16
Permission             : none
VLAN ID list           : none
Auto detection timeout : 4000
Auto detect remote MEP : disabled
CCI interworking       : disabled

MEG index              : 300
MEG level              : 3
MEG name               : OperCTag300Y
CCM interval           : 1s
MEPs                   : 1
MIPs                   : 1
MEP ID list            : (2 MepIds) 31 32
Permission             : none
VLAN ID list           : ctype: 300
Primary VLAN ID        : 300
Auto detection timeout : 4000
Auto detect remote MEP : disabled
CCI interworking       : disabled

MEG index              : 600
MEG level              : 6
MEG name               : ProvCTag600Y
CCM interval           : 1s
MEPs                   : 0
MIPs                   : 1
MEP ID list            : (0 MepIds)
Permission             : none
VLAN ID list           : ctype: 600
Primary VLAN ID        : 600
```

```
Auto detection timeout : 4000
Auto detect remote MEP : disabled
CCI interworking       : disabled

C1|S6|L1D>show soam mep config
MEP id                 : 14
MEG local ID           : 20
MEG level              : 0
MEG name               : UNIbcUntagY
Direction              : down
Port                   : 1
VLANs                  : none
Primary VLAN           : 0
Admin status           : enabled
CCI status             : enabled
Fault notification state : Reset
Defects                :
Next LTM transaction ID  : 1
Next LBM transaction ID  : 1
CCM and LTM priority   : 7
Fault Alarm Detect Time  : 2500 ms
Fault Alarm Reset Time   : 10000 ms
Lowest Alarm priority    : macremerrxcon
AIS transmit           : enabled
AIS interval           : 1 second
AIS process            : enabled
AIS notify up          : enabled
AIS client list        : (0 MEPs, 1 MIPs) MIP34
AIS frame priority     : 1

MEP id                 : 15
MEG local ID           : 30
MEG level              : 0
MEG name               : UNIcdUntagY
Direction              : down
Port                   : 2
VLANs                  : none
Primary VLAN           : 0
Admin status           : enabled
CCI status             : enabled
Fault notification state : Reset
Defects                :
Next LTM transaction ID  : 1
Next LBM transaction ID  : 1
CCM and LTM priority   : 7
Fault Alarm Detect Time  : 2500 ms
Fault Alarm Reset Time   : 10000 ms
Lowest Alarm priority    : macremerrxcon
AIS transmit           : disabled
AIS interval           : 1 second
AIS process            : disabled
AIS notify up          : disabled
AIS client list        : (0 MEPs, 0 MIPs)
AIS frame priority     : 1

MEP id                 : 32
MEG local ID           : 300
```

```
MEG level               : 3
MEG name                : OperCTag300Y
Direction               : up
Port                    : 2
VLANs                   : ctype: 300
Primary VLAN            : 300
Admin status            : enabled
CCI status              : enabled
Fault notification state : Reset
Defects                 :
Next LTM transaction ID  : 1
Next LBM transaction ID  : 1
CCM and LTM priority    : 7
Fault Alarm Detect Time : 2500 ms
Fault Alarm Reset Time  : 10000 ms
Lowest Alarm priority   : macremerrxcon
AIS transmit            : enabled
AIS interval            : 1 second
AIS process             : enabled
AIS notify up           : enabled
AIS client list         : (0 MEPs, 1 MIPs) MIP64
AIS frame priority      : 1

C1|S6|L1D>show soam mip config
MIP id              : 34
MEG local ID        : 300
MEG level           : 3
MEG name            : OperCTag300Y
VLANs               : ctype: 300
Port                : 1
Admin status        : enabled
AIS transmit        : enabled
AIS interval        : 1 second
AIS frame priority  : 7

MIP id              : 64
MEG local ID        : 600
MEG level           : 6
MEG name            : ProvCTag600Y
VLANs               : ctype: 600
Port                : 2
Admin status        : enabled
AIS transmit        : enabled
AIS interval        : 1 second
AIS frame priority  : 7

C1|S6|L1D>show soam mep cc mep-id 32 local-parent-id 300
MEP ID              : 32
MEG Local ID        : 0
MEG level           : 3
MEG name            : OperCTag300Y

Remote MEP ID       : 31
State               : OK
TimeStamp           : 258076.32 sec
MAC                 : 00:C0:F2:20:E2:18
RDI BIT             : False
```

```
Port Status          : No Port State
Interface Status     : No Interface Status
Chassis id subtype   : None
Chassis id           :
Manage address domain : 0.0
Manage address       :
Autodetected         : No

C1|S6|L1D>show soam mep cc mep-id 14 local-parent-id 20
MEP ID               : 14
MEG Local ID         : 0
MEG level            : 0
MEG name             : UNIbcUntagY

Remote MEP ID        : 13
State                : OK
TimeStamp            : 653995.52 sec
MAC                  : 00:C0:F2:20:E2:17
RDI BIT              : False
Port Status          : No Port State
Interface Status     : No Interface Status
Chassis id subtype   : None
Chassis id           :
Manage address domain : 0.0
Manage address       :
Autodetected         : No

C1|S6|L1D>show soam mep cc mep-id 15 local-parent-id 30
MEP ID               : 15
MEG Local ID         : 0
MEG level            : 0
MEG name             : UNIcdUntagY

Remote MEP ID        : 16
State                : OK
TimeStamp            : 172726.51 sec
MAC                  : 00:C0:F2:42:01:8E
RDI BIT              : False
Port Status          : No Port State
Interface Status     : No Interface Status
Chassis id subtype   : None
Chassis id           :
Manage address domain : 0.0
Manage address       :
Autodetected         : No

C1|S6|L1D>
```

3.4 Configuration from CLI of Device D

```
C1|S6|L1AP2|L2D>### DEVICE D ###
C1|S6|L1AP2|L2D>
C1|S6|L1AP2|L2D>show soam meg
MEG index             : 30
MEG level             : 0
MEG name              : UNIcdUntagY
CCM interval          : 1s
MEPs                  : 1
MIPs                  : 0
MEP ID list           : (2 MepIds) 15 16
Permission            : none
VLAN ID list          : none
Auto detection timeout : 4000
Auto detect remote MEP : disabled
CCI interworking      : disabled


MEG index             : 600
MEG level             : 6
MEG name              : ProvCTag600Y
CCM interval          : 1s
MEPs                  : 1
MIPs                  : 0
MEP ID list           : (2 MepIds) 61 62
Permission            : none
VLAN ID list          : ctype: 600
Primary VLAN ID       : 600
Auto detection timeout : 4000
Auto detect remote MEP : disabled
CCI interworking      : disabled


C1|S6|L1AP2|L2D>show soam mep config
MEP id                : 16
MEG local ID          : 30
MEG level             : 0
MEG name              : UNIcdUntagY
Direction             : down
Port                  : 2
VLANs                 : none
Primary VLAN          : 0
Admin status          : enabled
CCI status            : enabled
Fault notification state : Reset
Defects               :
Next LTM transaction ID  : 1
Next LBM transaction ID  : 1
CCM and LTM priority  : 7
Fault Alarm Detect Time  : 2500 ms
Fault Alarm Reset Time   : 10000 ms
Lowest Alarm priority : macremerrxcon
AIS transmit          : disabled
AIS interval          : 1 second
AIS process           : disabled
AIS notify up         : disabled
```

```
AIS client list        : (0 MEPs, 0 MIPs)
AIS frame priority     : 1

MEP id                 : 62
MEG local ID           : 600
MEG level              : 6
MEG name               : ProvCTag600Y
Direction              : down
Port                   : 2
VLANs                  : ctype: 600
Primary VLAN           : 600
Admin status           : enabled
CCI status             : enabled
Fault notification state : Reset
Defects                :
Next LTM transaction ID  : 2
Next LBM transaction ID  : 2
CCM and LTM priority   : 7
Fault Alarm Detect Time  : 2500 ms
Fault Alarm Reset Time   : 10000 ms
Lowest Alarm priority    : macremerrxcon
AIS transmit           : disabled
AIS interval           : 1 second
AIS process            : enabled
AIS notify up          : disabled
AIS client list        : (0 MEPs, 0 MIPs)
AIS frame priority     : 1

C1|S6|L1AP2|L2D>show soam mip config
The MIPs table is empty.
C1|S6|L1AP2|L2D>
C1|S6|L1AP2|L2D>show soam mep cc mep-id 62 local-parent-id 600
MEP ID                 : 62
MEG Local ID           : 0
MEG level              : 6
MEG name               : ProvCTag600Y

Remote MEP ID          : 61
State                  : OK
TimeStamp              : 105380.75 sec
MAC                    : 00:C0:F2:42:01:16
RDI BIT                : False
Port Status            : No Port State
Interface Status       : No Interface Status
Chassis id subtype     : None
Chassis id             :
Manage address domain  : 0.0
Manage address         :
Autodetected           : No

C1|S6|L1AP2|L2D>show soam mep cc mep-id 16 local-parent-id 30
MEP ID                 : 16
MEG Local ID           : 0
MEG level              : 0
MEG name               : UNIcdUntagY

Remote MEP ID          : 15
```

```
State                  : OK
TimeStamp              : 20030.83 sec
MAC                    : 00:C0:F2:42:00:E0
RDI BIT                : False
Port Status            : No Port State
Interface Status       : No Interface Status
Chassis id subtype     : None
Chassis id             :
Manage address domain  : 0.0
Manage address         :
Autodetected           : No
```