XGS-ONU-25-20NI Configuration Guide

XGS-ONU-25-20NI

CONFIGURATION GUIDE

Contents

Introduction

This manual provides a quick guide for users to know CLI of XGSPON Stick It is useful for local support test with OLT and doing some trouble shootings.

Overview

This manual is organized as following:

Section 1: Explain how to TELNET

Section 2: Provide the way to change local access settings

Section 3: List the most common commands

Section 4: Explain local software image upgrade and switch

Section 5: Provide the way to OMCI mib command

Section 6: Common service debug information

1. How to telnet

PC connection ont port 1 with cable ，The manager IP Addr is :192.168.100.1

Steps 1 Set local IP address manually on laptop
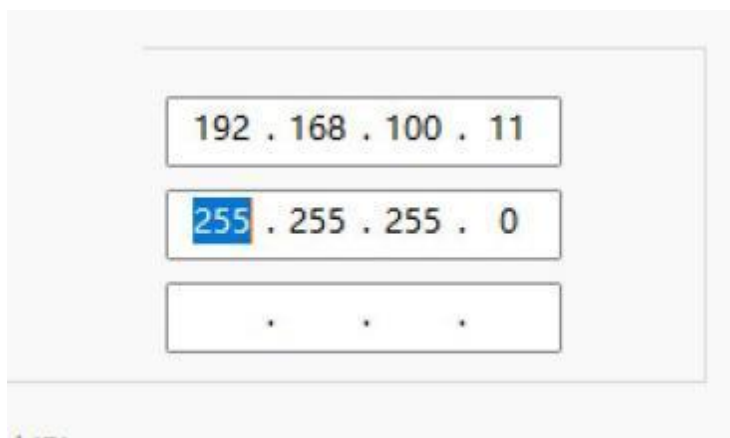
Steps 2 Ping Default Gateway IP 192.168.100.1
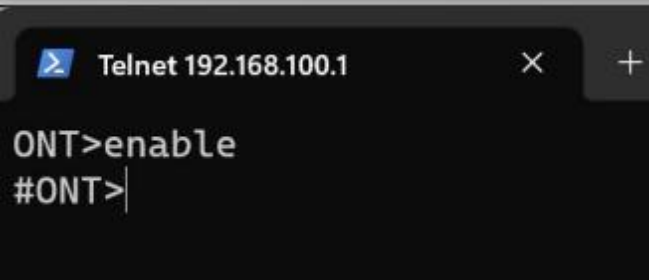
Steps 3 If the initial account is changed, the initial password will become invalid. If you need to provide the password after the account change, please contact FS.

Steps 4 telent to ONT, username is "xxxxxx" .

Steps 5 The password is "xxxxxx" .

Steps 6 Input "enable" to enter configure mode

2. Ont local commands

Here we list the most common commands for testing and troubleshooting.

2.1 Hardware and Software information

2.1.1 Software version

The command to check ont version
[Command]
/ system/ ontver
Example:
#ONT>/system/ontver
OntSwVer : R4.4.20.016
#ONT>

2.1.2 local ont series number command

• **Check local ont series number**
The command to read ont series number
[Command]
/ system/ misc/ eqsn get
Example:
#ONT/system/misc>eqsn get
eqsn: FTRO20210714

• **Set local ont series number**
The command to write ont series number
[Command]
/ system/ misc/ eqsn set   // comment: eqsn setting is like"FTRO12345678"
format
Example:
#ONT/system/misc> eqsn set "FTRO12345678"

2.1.3 Stopreboot command

When ont abnormal, ont reboot all the time, the command can interrupt to reboot
[Command]
ONT/ system/ misc> stopreboot
Example:
#ONT/system/misc>stopreboot
Stop reboot command OK

2.2 Optics Parameters

2.2.1 Optics monitoring information

To check optics monitor info
[Command]
/ system/ misc/ show trans state
Example:
ONT/ system/ misc> show trans state
Power   : 3V3 (3.3)
Temperature   : 45.0 C
Data Rx Power   : -14.3 dBm
Data Tx Power   : 7.9 dBm
APD Prot   : No
Data Tx bias   : 12.8 mA
#ONT/system/misc>

2.3 PON and Service Connection

2.3.1 Link status

The command to check ont link status
[Command]
/traffic/pon/show link
Example:
ONT/ traffic/ pon> show link
 ----------------- LINK STATE -----------------
Link State: ACTIVE
 Operation State Machine: OPERATION (O5)
 ----------------- STATE END ---

2.3.2 ONU information

The command to check onu info
[Command]
/traffic/pon/show onu
Example:

#ONT/traffic/pon>show onu

------------------------- ONU INFO -------------------------

Onu id 256
sdThreshold: 0
sfThreshold: 0

TO1: 80000
TO2: 1
eqd: 617219
Serial Number(vendor code) : GPON
Serial Number(sn):   227000fe
Password: 41 42 43 44 45 46 47 48 49 4a
Registration ID:
0x44454641554c540000000000000000000000000000000000000000000000000
0000000000
------------------------ INFO END -------------------------

#ONT/traffic/pon>

2.3.3 Traffic table

To check the traffic info about DS US gem flow and T-count table
[Command]
/ traffic/ pon/ show traffic all
Example:
ONT/ traffic/ pon> show traffic all
                  DS GEM FLOW Table
++

FlowId	GemIndex	PortId	TcontId	DQ Dst	EthFlow	EthFlow	QosMap	Pri	Def
1	0xf01	1034	1	255					
2	0xb02	1035	1	255					
3	0x903	1036	1	255					
4	0xff7f	65533	1	255					
30	0xff7e	65534	1	255					

                  US GEM FLOW Table
++

FlowId	GemIndex	PortId	TcontId	UQ	AES	gemRuleIndex
1	0xf01	1034	1	7	1	15
2	0xb02	1035	1	3	1	16
3	0x903	1036	1	1	1	17

                  TCONT Table
++

Tcont number	alloc ID	traffic mgmt	State	Flow Id
1	1025	0	1	

#ONT/traffic/pon>

2.3.4 Service Connection

The check service connection info about bridge port
[Command]
/ traffic/ omci/ show connection all
Example:
ONT/ traffic/ omci> show connection all

---------------------- Connection ID = 0 ----------------------

Completed = 1, Bridge Id = 0x0a01, valid = 1

Total Port Num   = 3
       Wan Port Num   = 2
              Unicast Port Num   = 0
              Multicast Port Num = 0
              Broadcast Port Num = 1
              802.1p Port Num   = 1
       Lan Port Num   = 1
              Iphost Port Num   = 0
              Eth Port Num   = 1
              EthFlow Port Num   = 0
              VirUni Port Num   = 0

Bridge Port Id = 0xa10b, type = BRCT, TP Ptr = 0xfffd
       Pon Info:
       lwTp   GemPort DsQ   UsQ   Mc Dir DFlow CPUQ UFlow Type Tcont
       0xfffd 0xfffd 0x0000 0x0000 00 002 00000 0000 00000 ETH |
Bridge Port Id = 0xa102, type = 802.1p, TP Ptr = 0xa102
 802. 1 P Info:
 lwTp   GemPort DsQ   UsQ   Mc Dir DFlow CPUQ UFlow Type Tcont
 0x0402 0x0402 0x0000 0x8000 00 003 00001 0000 00001 ETH | 0x0403
 0x0402 0x0402 0x0000 0x8000 00 003 00001 0000 00001 ETH | 0x0403
 0x0402 0x0402 0x0000 0x8000 00 003 00001 0000 00001 ETH | 0x0403
 0x0402 0x0402 0x0000 0x8000 00 003 00001 0000 00001 ETH | 0x0403
 0x0402 0x0402 0x0000 0x8000 00 003 00001 0000 00001 ETH | 0x0403
 0x0402 0x0402 0x0000 0x8000 00 003 00001 0000 00001 ETH | 0x0403
 0x0402 0x0402 0x0000 0x8000 00 003 00001 0000 00001 ETH | 0x0403
 0x0402 0x0402 0x0000 0x8000 00 003 00001 0000 00001 ETH | 0x0403

Bridge Port Id = 0x0a01, type = ETH, TP Ptr = 0x0a01, PortMode = BRIDGE

-------------------------- END [0] --------------------------
ONT/ traffic/ omci>

Service Connection(Debug Mode)

This command show the configuration of EMR from MEC
[Command]
/ traffic/ omci/ debug/ showemrcfg [Connection ID]
Example:
ONT/ traffic/ omci/ debug> showemrcfg 0
Connection ID = 0
UNI Configuration:

. . . .
   < SLOT = 1, PORT = 1, TYPE = 1 >
 ** Vlan Op:
      US MODE: ASIS
        OLD (NO_VID, ALL_ PRI) -> NEW (NO_VID, ALL_ PRI)
      DS MODE: ASIS
        OLD (NO_VID, ALL_ PRI) -> NEW (NO_VID, ALL_ PRI)
      US MODE: ASIS
        OLD (ALL_VID, ALL_ PRI) -> NEW (ALL_VID, ALL_ PRI)
      DS MODE: ASIS
        OLD (ALL_VID, ALL_ PRI) -> NEW (ALL_VID, ALL_ PRI)

 ** Vlan Filter:
      Mode   : Forward all
      Number [2]: (ALL_VID, ALL_ PRI) (NO_VID, ALL_ PRI)
 ** MC Cfg   : usFlow 65535
      US Mode   : Unknown
      US TCI   : 0x0
      DS MC Mode   : ASIS
      DS MC TCI   : 0x0
      DS IGMP Mode : Unknown
      DS IGMP TCI : 0x0

WAN Configuration:
. . . .
   < Ds Flow Id = 2, Us Flow Id = 65535, Serv Type = ETH | >
 ** Vlan Op:
      US MODE: Replace VID with the old PRI
        OLD (0x2BE, ALL_ PRI) -> NEW (0x2BE, ALL_ PRI)
      DS MODE: Replace VID with the old PRI
        OLD (0x2BE, ALL_ PRI) -> NEW (0x2BE, ALL_ PRI)

 ** Vlan Filter:
      Mode   : Forward all
      Number [2]: (ALL_VID, ALL_ PRI) (NO_VID, ALL_ PRI)

   < Ds Flow Id = 1, Us Flow Id = 1, Serv Type = ETH | >
 ** Vlan Op:
     US MODE: Replace VID with the old PRI
        OLD (0x2BE, ALL_ PRI) -> NEW (0x2BE, ALL_ PRI)
     DS MODE: Replace VID with the old PRI
        OLD (0x2BE, ALL_ PRI) -> NEW (0x2BE, ALL_ PRI)

 ** Vlan Filter:
     Mode   : Forward all
     Number [3]: (0x2BE, ALL_ PRI) (NO_VID, ALL_ PRI) (0x0, ALL_ PRI)

2.3.5 Performance counters

2.3.5.1 Gem port counter

The information of RX/TX packets in GemPort
[Command]
/ traffic/ pon/ show pm gem all
Example:
ONT/ traffic/ pon> show pm gem all

--------------port 1034 flow 0001----------------
RX GEM frames   :   611
RX GEM bytes   :   243164
Tx GEM frames   :   638
Tx GEM bytes   :   225814

--------------port 1035 flow 0002----------------
RX GEM frames   :   0
RX GEM bytes   :   0
Tx GEM frames   :   8
Tx GEM bytes   :   590

--------------port 1036 flow 0003----------------
RX GEM frames   :   3
RX GEM bytes   :   216
Tx GEM frames   :   54
Tx GEM bytes   :   3804

--------------port 65533 flow 0004----------------
RX GEM frames   :   751
RX GEM bytes   :   1 12106
Tx GEM frames   :   0
Tx GEM bytes   :   0

```
--------------port 65534 flow 0030----------------
RX GEM frames        :        153448
RX GEM bytes         :        196619932
Tx GEM frames        :        0
Tx GEM bytes         :        0
#ONT/ traffic/ pon>
```

2.4 Ethernet service

2.4.1 UNI port information

To check Ethernet port physical link
[Command]
#ONT/traffic/eth>show pack
build time Dec 26 2022: 06:45:47

```
-------------------- Line Pack -- PWR 0X0      --
Line Slot 10, NumOfPorts 1, type 49, subtype 75, state 2
--------------------- Configuration -------------------
port | enable | loop | Mode | RL Type | RL Us Rate| RL Ds Rate|
1    Yes    No    Auto       0     0      0

-------------------- Status -------------------
1) link state: Up, link mode: 1G  Full


-------------------- Bridge Pack -------------------
Type:      75
State:     2
MAC Table: 0
MAC Aging: 0
MTU:       0
--------------------- Chip Data -------------------
eth Fd:        6
port Mask:     0x0018
type          28

********** DEBUG INFO **********
        EmrLogId  : 5
      EmrAdminEn  : 0
      EmrbeInited  : 1
      EmrDumpConn  : 0
     EmrPwrShedEn  : 0x0
   EmrConnItemNum   : 2
     EmrUsDsReverseEn  : 1
  EmrConnAllVidCheck  : 0
```

EmrMcastGemVlanOp En : 1
  g EmrSaveConnItemEn : 1
  g EmrMcastCrossVlanEn : 1
EmrUniExtractPriMatch : 1
EMR_DRV_PACK_DUMP_ITEM_EN : 0
****
#ONT/traffic/eth>
#ONT/traffic/eth>

2.4.2 IGMP information

- **IGMP Domain**

To check which groups have been joined at each UNI:
[Command]
/ traffic/ eth/ show igmp domain
Example:
ONT/ traffic/ eth> show igmp domain
p Domain Id 0 auto:0 vid 0x000 pri:0 Op:unknown   cfgver IGMP_V3

Stb Ver	Query Ver	v2Exist Present	Querier	Snoop EN	Fast LEAVE	Host Track	Port Mask	Proxy Mode
Unknown	Unknown	0	0x00000000	1	1	1	0000003f	DISABLE

wanIp	wanMac	lanIp	lanMac
0x00000000	0x000000000000	0x00000000	0x000000000000

	QRV	QQIC(ms)	LMQI(ms)	MaxResp(ms)
v2DefCfg	2	125000	1000	10000
v2RunCfg	0	0	0	0
v3DefCfg	2	125000	1000	10000
v3RunCfg	0	0	0	0
v3GSCfg	0	0	0	0

pDomain Id 1193 auto:0 vid 0x4a9 pri:0 Op:add & repri cfgver IGMP_V3

Stb Ver	Query Ver	v2Exist Present	Querier	Snoop EN	Fast LEAVE	Host Track	Port Mask	Proxy Mode
IGMP_V2	IGMP_V3	33	0x0101a8c0	1	1	1	0000003f	PROXY_RG

wanIp	wanMac	lanIp	lanMac
0x6f6f6f82	0x102012301032	0xc0a80101	0x102012301014

mldWanIp: 000.000.000.000
mldQuerierIp: 000.000.000.000

```
 QRV      QQIC(ms) LMQI(ms) MaxResp(ms)
v2DefCfg 2      125000  1000    10000
v2RunCfg 0      0       0       0

v3DefCfg 2       125000  1000     10000
v3RunCfg 2       125000  0        10000
v3GSCfg  0      0       0       0

 index   Group(all 11 )  |   portmask   |  age (sec)
 [000]   ff02:0000:0000:0000:0000:0000:0000:000c   0x0000000b  IP
0x0000000b 238
 [001]   ff02:0000:0000:0000:0000:0001:ffc5:c826   0x00000002  IP
0x00000002 104
 [002]   ff02:0000:0000:0000:0000:0001:ffce:4bfd   0x00000002  IP
0x00000002 33
 [003]   ff02:0000:0000:0000:0000:0001:ff56:b804   0x00000008  IP
0x00000008 236
 [004]   224.000.000.252   0x00000008   IP 0x00000008 237
 [005]   239.255.255.250   0x0000000b   IP 0x0000000b 237
 [006]   ff02:0000:0000:0000:0000:0000:0000:00fb   0x0000000b  IP
0x0000000b 237
 [007]   239.002.001.001   0x00000008   IP 0x00000008 241
 [008]   ff02:0000:0000:0000:0000:0001:ff5b:63fe   0x00000001  IP
0x00000001 239
 [009]   ff02:0000:0000:0000:0000:0000:0001:0003   0x00000008  IP
0x00000008 236
 [010]   224.000.000.251   0x0000000b  IP 0x0000000b 241
```

- **IGMP statistic**

To check RX/TX IGMP packet

[Command]

#ONT/traffic/eth>show igmp pm

===== IGMP Domain(0) Counters =====

===== IGMP Domain(1193) Counters =====

```
++++++++++ wan port counters ++++++++++
Rx v3GeneralQuery           :   10
Tx v3GeneralQuery           :   10
Tx MLDv2GeneralQuery        :   10


+++++++++++++++++++++++++++++++++++++++++++++++++++++++
LanPortId       0 |     1 |     2 |     3

..................................................
```

```
Rx MLDV1Join        0       1       0       0
Tx MLDV1Join        0       2       0       0
Tx MLDV1done        0       1       0       0
Rx MLDV2Join       29      17       0      37
Tx MLDV2Join        3       0       0       2
Rx MLDV2done        0       4       0       0
Tx MLDV2done        0       1       0       0
TxV2Join            1       1       0       6
RxV3Join           18      14       0      34
TxV3Join            6       0       0       5
RxV3Leave           0       4       0       0
GroupErr            0       2       0       0
#ONT/traffic/eth>show IGMP uni
To check IGMP all UNI configuration
[Command]
/ traffic/ eth/ show  igmp  uni
Example:
# ONT/ traffic/ eth> show  igmp  uni
================ Domain 0 Port config ================
lport  0  | maxGroup 128  | curGroup   0  | aclNum 0
       | maxBw     0  | exceedDeny 0  | curBw 0

lport  1  | maxGroup 128  | curGroup   0  | aclNum 0
       | maxBw     0  | exceedDeny 0  | curBw 0

lport  2  | maxGroup 128  | curGroup   0  | aclNum 0
       | maxBw     0  | exceedDeny 0  | curBw 0

lport  3  | maxGroup 128  | curGroup   0  | aclNum 0
       | maxBw     0  | exceedDeny 0  | curBw 0

lport  4  | maxGroup 128  | curGroup   0  | aclNum 0
       | maxBw     0  | exceedDeny 0  | curBw 0

lport  5  | maxGroup 128  | curGroup   0  | aclNum 0
       | maxBw     0  | exceedDeny 0  | curBw 0
================ Domain 1 193 Port config ================
lport  0  | maxGroup 128  | curGroup   5  | aclNum 0
       | maxBw     0  | exceedDeny 0  | curBw 0

lport  1  | maxGroup 128  | curGroup   0  | aclNum 0
       | maxBw     0  | exceedDeny 0  | curBw 0

lport  2  | maxGroup 128  | curGroup   0  | aclNum 0
       | maxBw     0  | exceedDeny 0  | curBw 0
```

lport 3 | maxGroup 128 | curGroup 8 | aclNum 0
        | maxBw   0 | exceedDeny 0 | curBw 0

lport 4 | maxGroup 128 | curGroup 0 | aclNum 0
        | maxBw   0 | exceedDeny 0 | curBw 0

lport 5 | maxGroup 128 | curGroup 0 | aclNum 0
        | maxBw   0 | exceedDeny 0 | curBw 0

#ONT/traffic/eth>

2.4.3 Performance counter

- **Gem counter**

The show gem port PM data
[Command]
/ traffic/ omci/ show pm gem
Example:
ONT/ traffic/ omci> show pm gem
----------------- gem port cfg-------------------

enable   : 0
gem port id : 0xfffe
pm data me id: 0xfffe

Index: 0
lost packets   : 0x00000000
misinsert packets: 0x00000000
rx packets   : 0x000000000
rx blocks   : 0x000000000
tx blocks   : 0x000000000
impaired blocks : 0x00000000
tx packets   : 0x00000000

enable   : 0
gem port id : 0x40a
pm data me id: 0x40a

Index: 1
lost packets   : 0x00000000
misinsert packets: 0x00000000
rx packets   : 0x000000000
rx blocks   : 0x000000000
tx blocks   : 0x000000000

```
impaired blocks  : 0x00000000
tx packets       : 0x00000000

..............................................
..............................................

enable      : 0
gem port id  : 0x40b
pm data me id: 0x40b
..............................................

Index:          2
lost packets    : 0x00000000
misinsert packets: 0x00000000
rx packets       : 0x000000000
rx blocks        : 0x000000000
tx blocks        : 0x000000000
impaired blocks  : 0x00000000
tx packets       : 0x00000000

..............................................
..............................................

enable      : 0
gem port id  : 0x40c
pm data me id: 0x40c
..............................................

Index:          3
lost packets    : 0x00000000
misinsert packets: 0x00000000
rx packets       : 0x000000000
rx blocks        : 0x000000000
tx blocks        : 0x000000000
impaired blocks  : 0x00000000
tx packets       : 0x00000000

..............................................
..............................................

enable      : 0
gem port id  : 0xfffd
pm data me id: 0xfffd
..............................................

Index:          4
lost packets    : 0x00000000
misinsert packets: 0x00000000
rx packets       : 0x000000000
rx blocks        : 0x000000000
tx blocks        : 0x000000000
impaired blocks  : 0x00000000
tx packets       : 0x00000000

..............................................
```

ALU pm data me id: 0xffff

. . . .

lost DS packets : 0x00000000
lost US packets : 0x00000000
rx packets   : 0x00000000
rx blocks   : 0x00000000
tx blocks   : 0x00000000
impaired blocks : 0x00000000
tx packets   : 0x00000000
rx bad headers   : 0x00000000

. . . .

ALU47 pm data me id: 0xffff

. . . .

lost DS packets : 0x00000000
lost US packets : 0x00000000
rx packets   : 0x000000000
rx blocks   : 0x000000000
tx blocks   : 0x000000000
impaired blocks : 0x00000000
tx packets   : 0x008x
rx bad headers   : 0x00000000

. . . .

Arris pm data me id: 0xffff

. . . .

lost packets   : 0x00000000
rx packets   : 0x0000000000000000
rx blocks   : 0x0000000000000000
tx blocks   : 0x0000000000000000
impaired blocks : 0x00000000
tx packets   : 0x0000000000000000

. . . .

GAL TDM pm data me id: 0xffff

. . . .

GemFrmLoss   : 0x00000000
BufUnderflows   : 0x00000000
BufOverflows   : 0x00000000

. . . .

------------------gem port cfg end---------------
ONT/ traffic/ omci>

- **Eth counter**
The show eth PM data
[Command]
/ traffic/ omci/ show pm uni 10 1
Example:
ONT/ traffic/ eth> show pm uni 10 1

UNI slot 10 port 1 PM
======Counters for phyport[4]======
ifInOctets   :   48139
ifInUcastPkts   :   608
ifIn MulticastPkts   :   46
ifOutOctets   :   37430
ifOutUcastPkts   :   373
Tx Pkts64Octets   :   211
Tx Pkts65to127Octets   :   149
Tx Pkts128to255Octets   :   2
Tx Pkts256to511Octets   :   2
Tx Pkts512to1023Octets   :   2
Tx Pkts1024to1518Octet   :   7
Rx Pkts64Octets   :   600
Rx Pkts65to127Octets   :   16
Rx Pkts128to255Octets   :   38
#ONT/traffic/eth>

2.5 System Log

2.5.1 PON manager

To check PON implementation
[Command]
/ system/ log/ show pmr
Example:
ONT/ system/ log> show pmr
Log: pmr
tick upTime1   file line level message
c7f3c315   20 pmr_main_gpon.c 1 14   4 PMR_ Init OK
c7f3c6e 1   21 pmr_handler_gpo 423   4 rcv VOS_TIME_OUT
c7f3c6e2   21 pmr_handler_gpo 454   4 rcv
MEC_MSG_ PACK_ MGR_ READY_ACK
c7f3c6e2   21 pmr_handler_gpo 457   4 kill Init timer [1], ret=[0]
c7f3d3c4   25 pmr_handler_gpo 555   4 rcv MEC_MSG_CFG_PACK_TYPE,
result = 0, hwType[62] MappingMode 1
c7f3d3c4   25 pmr_data_cortin 296   4 Open evt Fd[10], cnt[0]
c7f3e045   28 pmr_data_cortin 90   4 DBACfged 0
c7f3e045   28 pmr_handler_gpo 391   4 rcv PON_ MSG_CFG_ DBA_ ENABLE,
result = 0
c7f3e051   28 pmr_handler_gpo 632   4 rcv PON_ MSG_CFG_SDSF, result =
0
c7f3e0f3   28 pmr_data_cortin 163   4 report state transtion: Unknown -->
Init
c7f3e0f3   28 pmr_pack_cortin 293   1 Pon drv active ok

c7f3e0f4   28 pmr_handler_gpo 589   4 rcv MEC_MSG_ACTIVATE_PACK,
result = 0

c7f3e6c7   29 pmr_event_corti 303   4 state transtion: 1 --> 3 event[assign
onu_id message]

c7f3e6c7   29 pmr_data_cortin 163   4 report state transtion: Init -->
Preparing

c7f3e6f5   2a pmr_handler_gpo 1000   4 rcv PON_MSG_LINK_ACTIVE, result
= 0

c7f3e773   2a pmr_handler_gpo 495   4 Re-configure Pack slot = 128,
actualType = 62

c7f3e7ec   2a pmr_data_cortin 90   4 DBACfged 0

c7f3e7ec   2a pmr_handler_gpo 391   4 rcv PON_ MSG_CFG_ DBA_ ENABLE,
result = 0

c7f3e7f8   2a pmr_handler_gpo 632   4 rcv PON_MSG_CFG_SDSF, result = 0

c7f3e8af   2a pmr_handler_gpo 567   4 Re-act Pack slot = 128

c7f3e950   2a pmr_handler_gpo 1000   4 rcv PON_MSG_LINK_ACTIVE, result
= 0

c7f42982   3b pmr_event_corti 224   4 default AllocId MSG: allocId = 0x0,
status = 0

c7f42986   3b pmr_event_corti 303   4 state transtion: 3 --> 4 event[assign
onu_id message]

c7f42ae9   3b pmr_event_corti 303   4 state transtion: 4 --> 5 event[ranging
time message]

c7f42ca4   3b pmr_data_cortin 163   4 report state transtion: Preparing -->
Ready

c7f42ca5   3b pmr_event_corti 351   1 recv omci, force report state change
oldState 3

c7f42e64   3c pmr_handler_gpo 956   4 rcv MEC_MSG_PON_LINK_UP,
result = 0

c7f42f9d   3c pmr_handler_gpo 936   4 rcv MEC_MSG_CFG_RESET, result =
0

c7f43452   3d pmr_event_corti 151   4 report assign Alloc-ID = 1025, Status
= ALLOCATE

c8008c5c   3d pmr_handler_gpo 632   4 rcv PON_MSG_CFG_SDSF, result =
0

c8008c73   3d pmr_handler_gpo 632   4 rcv PON_MSG_CFG_SDSF, result =
0

c8008cf9   3e pmr_handler_gpo 796   4 rcv PON_MSG_CFG_TCONT, allocId
= 65535 type =
1025 mgmt = 0 enable = 0 result = 1

c8008d12   3e pmr_handler_gpo 796   4 rcv PON_MSG_CFG_TCONT, allocId
= 1025 type = 1 mgmt = 2 enable = 1 result = 0

c8008d7d   3e pmr_handler_gpo 689   4 rcv PON_MSG_CFG_US_FLOW act
Rem, tcontQ = 7, flow = 1,gemport = 1034 result = 2

c8008d88   3e pmr_handler_gpo 689   4 rcv PON_MSG_CFG_US_FLOW act
Add, tcontQ = 7, flow = 1,gemport = 1034 result = 0

c8008d91   3e pmr_handler_gpo 663   4 rcv PON_MSG_CFG_DS_FLOW act Rem, result = 1

c8008dcd   3e pmr_handler_gpo 663   4 rcv PON_ MSG_CFG_ DS_ FLOW act Add, result = 0

c8008dce   3e pmr_handler_gpo 689   4 rcv PON_ MSG_CFG_US_ FLOW act Rem, tcontQ = 3, flow = 2,gemport = 1035 result = 2

c8008dd8   3e pmr_handler_gpo 689   4 rcv PON_ MSG_CFG_US_ FLOW act Add, tcontQ = 3, flow = 2,gemport = 1035 result = 0

c8008de2   3e pmr_handler_gpo 663   4 rcv PON_ MSG_CFG_ DS_ FLOW act Rem, result = 1

c8008e1d   3e pmr_handler_gpo 663   4 rcv PON_ MSG_CFG_ DS_ FLOW act Add, result = 0

c8008e1f   3e pmr_handler_gpo 689   4 rcv PON_ MSG_CFG_US_ FLOW act Rem, tcontQ = 1, flow = 3,gemport = 1036 result = 2

c8008e29   3e pmr_handler_gpo 689   4 rcv PON_ MSG_CFG_US_ FLOW act Add, tcontQ = 1, flow = 3,gemport = 1036 result = 0

c8008e33   3e pmr_handler_gpo 663   4 rcv PON_ MSG_CFG_ DS_ FLOW act Rem, result = 1

c8008e6e   3e pmr_handler_gpo 663   4 rcv PON_ MSG_CFG_ DS_ FLOW act Add, result = 0

c8008f1a   3e pmr_handler_gpo 663   4 rcv PON_ MSG_CFG_ DS_ FLOW act Rem, result = 1

c8008f33   3e pmr_handler_gpo 663   4 rcv PON_ MSG_CFG_ DS_ FLOW act Add, result = 0

c8009032   3e pmr_handler_gpo 663   4 rcv PON_ MSG_CFG_ DS_ FLOW act Rem, result = 1

c800904b   3e pmr_handler_gpo 663   4 rcv PON_ MSG_CFG_ DS_ FLOW act Add, result = 0

c80091d4   3f pmr_handler_gpo 796   4 rcv PON_ MSG_CFG_TCONT, allocId = 1025 type = 1 mgmt = 2 enable = 1 result = 18

ONT/ system/ log>

2.5.2 PON manager driver

To check PN manager driver
[Command]
/ system/ log/ show pmr_drv
Example:

#ONT/ system/ log> show pmr_drv
Log: pmr_drv
   tick upTime1   file line level message
 c7 f3 d2e 1   24 pmr_pack_cortin 244
 c7 f3 d3 a9   25 pmr_pack_cortin 253   4 pon device is opened. fd[9], cnt[0]
 c7 f3 d3 c2   25 pmr_pack_cortin 287   4 GPON driver init OK, pti[0xaa]

c7f3d3c4   25 pmr_pack_cortin 396   4 serial number: 46 54 52 30 20 21 07 14

c7f3d3c4   25 pmr_pack_cortin 421   4 passward: 00 00 00 00 00 00 00 00 00 00

c7f3e051   28 pmr_pack_cortin 441   1 Succeed to SD threshold 9

c7f3e051   28 pmr_pack_cortin 462   1 Succeed to SF threshold 5

c7f3e6c4   29 pmr_pack_cortin 235   4 Disable Tx Laser Power Supply when SN-Disable

2.5.3 Misc manager

To check misc implementation
[Command]
/ system/ log/ show mmr
Example:
ONT/ system/ log> show mmr
Log: mmr
    tick upTime1   file line level message
c800ac5b   46   mmr_led_cfg.c 1121   4 mmr_LedHandleEvent: event(800)
c800ac5b   46   mmr_led_cfg.c 1121   4 mmr_LedHandleEvent: event(1000000000000080)
c800ac5c   46   mmr_led_cfg.c 1121   4 mmr_ LedHandleEvent: event(1000000000000100)
c800ac5c   46   mmr_led_cfg.c 737   4 mmr_LedCfgSetState: type(phone) state(goff) c800ac5d   46   mmr_led_cfg.c 1121   4 mmr_LedHandleEvent: event(40000000000000)
c800ac5d   46   mmr_led_cfg.c 1121   4 mmr_ LedHandleEvent: event(1000000000000100)
c800ac5d   46   mmr_led_cfg.c 737   4 mmr_ LedCfgSetState: type(phone) state(goff)
c800ac5e   46   mmr_led_cfg.c 1121   4 mmr_ LedHandleEvent: event(1000000000000100)
c800ac5e   46   mmr_led_cfg.c 737   4 mmr_ LedCfgSetState: type(phone) state(goff)
c800ac5e   46   mmr_led_cfg.c 1121   4 mmr_LedHandleEvent: event(1000000000000100)

2.5.4 Ethernet manager

To check Ethernet implementation
[Command]
/ system/ log/ show emr
Example:
#ONT/system/log>show emr
Log: emr

tick upTime1   file line level message

c8009325   3f   emr_main.c 7847   4 Send ACK message to 0x90009, result -1, send 0

c800932c   3f   emr_main.c 7764   4 EMR_MSG_CFG_UNI_PKT_LIMIT

c800932c   3f   emr_main.c 7288   4 Config SLOT 14 PORT 1, uniPktLimit. dhcp 10，uniPktLimit. igmp 16，uniPktLimit. arp 10

c800932c   3f   emr_main.c 7847   4 Send ACK message to 0x9000b, result 3, send 0

c800ab3a   45   emr_main.c 7770   4 EMR _MSG _CFG_L3_UNI_IGS

c800ab3a   45   emr_main.c 6426   1 mldQuerierIp error:

c800ab3a   45   emr_main.c 6433   1 mldQuerierIp error:

c800ab49   45   emr_igs.c 873   4 lport1 action1 vlan1193 ver3, hostTrack1, funcMode3 imLeave3 wip6f6f6f9a queryc0a80101

c800ab49   45   emr_igs.c 878   4 cfg igmp : robust 2, qryInt 125, qryResInt 100, maxMC 128, lastMem 10 ret 0

c800ab49   45   emr_igs.c 309   4 lport 1 action 1 vlan 1 193 maxGroup 128 maxBw 0 exceedDeny 0 rangCnt 0 multicastcnt 0

c800ab58   45 emr_pack_cortin 2721   4 Config RG Igmp Snooping paramter. ret 0

c800ab59   45 emr_pack_cortin 2704   4 Configure RG lport 1 U/S flow for IGMP wan 3 wanService 0x4 service 1 op 1 newOuterTci 0x4a9/0x0

c800ab59   45   emr_main.c 7847   4 Send ACK message to 0x9002f, result 0, send 0

c800ab6c   45   emr_main.c 7770   4 EMR_MSG_CFG_L3_UNI_IGS

c800ab6c   45   emr_main.c 6426   1 mldQuerierIp error:

c800ab6c   45   emr_main.c 6433   1 mldQuerierIp error:

c800ab7a   45   emr_igs.c 873   4 lport2 action1 vlan1193 ver3, hostTrack1, funcMode3 imLeave3 wip6f6f6f9a queryc0a80101

c800ab7a   45   emr_igs.c 878   4 cfg igmp : robust 2, qryInt 125, qryResInt 100, maxMC 128, lastMem 10 ret 1

c800ab7a   45   emr_igs.c 309   4 lport 2 action 1 vlan 1 193 maxGroup 128 maxBw 0 exceedDeny 0 rangCnt 0 multicastcnt 0

2.5.5 Downstream ploam

To check downstream ploam implementation
[Command]
/ system/ log/ show ds_ ploam
Example:
ONT/ system/ log> show ds_ ploam
Log: ds_ ploam
    tick upTime1   file line level message
c7f42982   3b pmr_event_corti 255   1 g PmrOntDefTcont = 0x0

c7f42982	3b	pmr_event_corti	417	4	ONU-ID=0x3ff, Type=Assign ONU-
ID[0x03]:					
c7f42982	3b	pmr_event_corti	422	4	00 00 46 54 52 30 20 21 07 14
01 00					
c7f42982	3b	pmr_event_corti	422	4	00 00 00 00 00 00 00 00 00 00
00 00					
c7f42982	3b	pmr_event_corti	422	4	00 00 00 00 00 00 00 00 00 00
00 00					
c7f42ae5	3b	pmr_event_corti	417	4	ONU-ID=0x00, Type=Ranging
Time[0x04]:					
c7f42ae5	3b	pmr_event_corti	422	4	03 00 09 70 31 00 00 00 00 00
00 00					
c7f42ae5	3b	pmr_event_corti	422	4	00 00 00 00 00 00 00 00 00 00
00 00					
c7f42ae5	3b	pmr_event_corti	422	4	00 00 00 00 00 00 00 00 00 00
00 00					
c7f42b54	3b	pmr_event_corti	417	4	ONU-ID=0x00, Type=Key
Control[0x0d]:					
c7f42b54	3b	pmr_event_corti	422	4	00 00 01 10 00 00 00 00 00 00
00 00					
c7f42b54	3b	pmr_event_corti	422	4	00 00 00 00 00 00 00 00 00 00
00 00					
c7f42b54	3b	pmr_event_corti	422	4	00 00 00 00 00 00 00 00 00 00
00 00					
c7f42b54	3b	pmr_event_corti	417	4	ONU-ID=0x00, Type=Key
Control[0x0d]:					
c7f42b54	3b	pmr_event_corti	422	4	00 00 01 10 00 00 00 00 00 00
00 00					
c7f42b54	3b	pmr_event_corti	422	4	00 00 00 00 00 00 00 00 00 00
00 00					
c7f42b54	3b	pmr_event_corti	422	4	00 00 00 00 00 00 00 00 00 00
00 00					
c7f42b54	3b	pmr_event_corti	417	4	ONU-ID=0x00, Type=Key
Control[0x0d]:					
c7f42b54	3b	pmr_event_corti	422	4	00 01 01 10 00 00 00 00 00 00
00 00					
c7f42b54	3b	pmr_event_corti	422	4	00 00 00 00 00 00 00 00 00 00
00 00					
c7f42b55	3b	pmr_event_corti	422	4	00 00 00 00 00 00 00 00 00 00
00 00					
c7f43451	3d	pmr_event_corti	271	1	AllocId MSG: allocId = 0x401, status
= 0					
c7f43452	3d	pmr_event_corti	417	4	ONU-ID=0x00, Type=Assign Alloc-
ID[0x0a]:					

c7f43452 00 00	3d	pmr_event_corti 422	4	04 01 01 00 00 00 00 00 00 00
c7f43452 00 00	3d	pmr_event_corti 422	4	00 00 00 00 00 00 00 00 00 00
c7f43452 00 00	3d	pmr_event_corti 422	4	00 00 00 00 00 00 00 00 00 00

2.5.6 OMCI log

To check the OMCI message between OLT and ONT.
[Command]
/ system/ log/ show omci
Example:
ONT/ system/ log> show omci
Log: omci

tick	upTime1	file	line	level message
c7f433b6	3d	omci_msg.c	178	4 01 15 80 6f ff f0 00 0c cc 02 ee 00 00 00 00 80
c7f433b6	3d	omci_msg.c	184	4 06 00 07 00 00 01 00 00 00 00 00 00 00 00 00 00
c7f433b6	3d	omci_msg.c	187	4 zero: 0x0, len: 0x28 crc: 0xddd2b809
c7f433b7	3d	omci_main.c	107	4 Receive OMCI message
c7f433b7	3d	omci_msg.c	172	4 tick: 0x11ea06ab PRI: 0, TI: 0x1358, DID: 10, DB: 0, AR: 1, AK: 0, MT: 14, Class: 2, inst: 0x0
c7f433b8	3d	omci_msg.c	178	4 00 ee 00 00 00 00 00 00 00 00 00 00 00 00 00 00
c7f433b8	3d	omci_msg.c	184	4 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
c7f433b8	3d	omci_msg.c	187	4 zero: 0x0, len: 0x28 crc: 0x9ef9315
c7f433b8	3d	omci_msg.c	551	4 Send out OMCI msg
c7f433b8	3d	omci_msg.c	172	4 tick: 0x11ea0828 PRI: 0, TI: 0x1358, DID: 10, DB: 0, AR: 0, AK: 1, MT: 14, Class: 2, inst: 0x0
c7f433b8	3d	omci_msg.c	178	4 01 15 80 70 ff f0 00 0c cc 02 ee 00 00 00 00 80
c7f433b8	3d	omci_msg.c	184	4 07 00 07 00 00 01 00 00 00 00 00 00 00 00 00 00
c7f433b8	3d	omci_msg.c	187	4 zero: 0x0, len: 0x28 crc: 0xf4238696
c7f433b9	3d	omci_main.c	107	4 Receive OMCI message
c7f433b9	3d	omci_msg.c	172	4 tick: 0x11ea0e7b PRI: 0, TI: 0x1359, DID: 10, DB: 0, AR: 1, AK: 0, MT: 14, Class: 2, inst: 0x0
c7f433ba	3d	omci_msg.c	178	4 00 ef 00 00 00 00 00 00 00 00 00 00 00 00 00 00
c7f433ba	3d	omci_msg.c	184	4 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
c7f433ba	3d	omci_msg.c	187	4 zero: 0x0, len: 0x28 crc: 0x46edb4cc

```
c7f433ba        3d        omci_msg.c 551      4 Send out OMCI msg
c7f433ba        3d        omci_msg.c 172      4 tick: 0x11ea0ff6 PRI: 0, TI: 0x1359,
DID: 10, DB: 0, AR: 0, AK: 1, MT: 14, Class: 2, inst: 0x0
c7f433ba        3d        omci_msg.c 178      4 01 15 80 71 ff f0 00 0c cc 02 ee 00 00
00 00 80
c7f433ba        3d        omci_msg.c 184      4 08 00 07 00 00 01 00 00 00 00 00 00
00 00 00 00
c7f433ba        3d        omci_msg.c 187      4 zero: 0x0, len: 0x28 crc: 0xfb8c0e9e
c7f433bb        3d        omci_main.c 107     4  Receive OMCI  message
c7f433bb        3d        omci_msg.c 172      4 tick: 0x11ea1620 PRI: 0, TI: 0x135a,
DID: 10, DB: 0, AR: 1, AK: 0, MT: 14, Class: 2, inst: 0x0
c7f433bb        3d        omci_msg.c 178      4 00 f0 00 00 00 00 00 00 00 00 00 00
00 00 00 00
c7f433bc        3d        omci_msg.c 184      4 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
c7f433bc        3d        omci_msg.c 187      4 zero: 0x0, len: 0x28 crc: 0x4d64b34b
c7f433bc        3d        omci_msg.c 551      4  Send out OMCI  msg
c7f433bc        3d        omci_msg.c 172      4 tick: 0x11ea179a PRI: 0, TI: 0x135a,
DID: 10, DB: 0, AR: 0, AK: 1, MT: 14, Class: 2, inst: 0x0
c7f433bc        3d        omci_msg.c 178      4 01 15 80 72 ff f0 00 0c cc 02 ee 00 00
00 00 80
c7f433bc        3d        omci_msg.c 184      4 09 00 07 00 00 01 00 00 00 00 00 00
00 00 00 00
c7f433bc        3d        omci_msg.c 187      4 zero: 0x0, len: 0x28 crc: 0xb7263d35
c7f433bd        3d        omci_main.c 107     4  Receive OMCI  message
c7f433bd        3d        omci_msg.c 172      4 tick: 0x11ea1e0e PRI: 0, TI: 0x135b,
DID: 10, DB: 0, AR: 1, AK: 0, MT: 14, Class: 2, inst: 0x0
c7f433be        3d        omci_msg.c 178      4 00 f1 00 00 00 00 00 00 00 00 00 00
00 00 00 00
c7f433be        3d        omci_msg.c 184      4 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
c7f433be        3d        omci_msg.c 187      4 zero: 0x0, len: 0x28 crc: 0x96512982
c7f433be        3d        omci_msg.c 551      4  Send out OMCI  msg
c7f433be        3d        omci_msg.c 172      4 tick: 0x11ea1f8b PRI: 0, TI: 0x135b,
DID: 10, DB: 0, AR: 0, AK: 1, MT: 14, Class: 2, inst: 0x0
c7f433be        3d        omci_msg.c 178      4 01 15 80 73 ff f0 00 0c cc 02 ee 00 00
00 00 80
c7f433be        3d        omci_msg.c 184      4 0a 00 07 00 00 01 00 00 00 00 00 00
00 00 00 00
c7f433be        3d        omci_msg.c 187      4 zero: 0x0, len: 0x28 crc: 0xd5864143
c7f433bf   3d        omci_main.c 107     4  Receive OMCI  message
c7f433bf   3d        omci_msg.c 172      4 tick: 0x11ea25cb PRI: 0, TI: 0x135c,
DID: 10, DB: 0, AR: 1, AK: 0, MT: 14, Class: 2, inst: 0x0
c7f433bf        3d        omci_msg.c 178      4 00 f2 00 00 00 00 00 00 00 00 00 00 00
00 00 00
c7f433c0        3d        omci_msg.c 184      4 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
```

2.5.7 MEC log

To check implement of OMCI message
[Command]
/ system/ log/ show mec
Example:
ONT/ system/ log> show mec
Log: mec

tick	upTime1	file	line	level	message
c7f3bf0b	1f	mec_main.c	474	4	Starting MEC
c7f3bfb0	1f	mec_alu_specifi	3390	4	ALU spec register
c7f3bfb2	1f	mec_alu_specifi	3414	4	This is ALU ISAM-based OLT 4.0
c7f3bfb4	1f	mec_main.c	415	4	Get major ID[0xe8] minor ID[0x1]
c7f3bfbb	1f	mec_main.c	2763	4	PON_TYPE 1
c7f3bfc8	20	mec_init.c	160	4	Get major ID[0xe8] minor ID[0x1]
c7f3bfc8	20	mec_init.c	172	4	Get active entity 0
c7f3bfcf	20	mec_init.c	188	4	Get commit entity 0
c7f3bfd2	20	mec_init.c	1059	4	mec_ ImageValid: file magic is 0x23494255
c7f3bfd2	20	mec_init.c	1094	4	check: ubi & kernel inst 1
c7f3c0ec	20	mec_init.c	455	4	Restoring MIB
c7f3c0f0	20	mec_init.c	444	4	ReStore cardholder slot [128] MIB
c7f3c0f4	20	mec_init.c	444	4	ReStore cardholder slot [1] MIB
c7f3c0f7	20	mec_init.c	444	4	ReStore cardholder slot [10] MIB
c7f3c0fa	20	mec_init.c	444	4	ReStore cardholder slot [2] MIB
c7f3c0ff	20	mec_init.c	444	4	ReStore cardholder slot [4] MIB
c7f3c102	20	mec_init.c	444	4	ReStore cardholder slot [14] MIB
c7f3c18c	20	mec_cfg.c	82	4	Set active image: inst = 0, sync msg return OK
c7f3c20f	20	mec_cfg.c	82	4	Set commit image: inst = 0, sync msg return OK
c7f3c244	20	mec_voip.c	744	4	unknown softswitch type
c7f3c247	20	mec_country.c	72	4	---default country std E164.
c7f3c247	20	mec_country.c	120	4	---default country code is 1.
c7f3c248	20	mec_voip.c	1 178	4	Set Country Code: slot[0] port[0] [1]
c7f3c248	20	mec_voip.c	768	4	g MecVoipData. Default.country_code [1]
c7f3c24a	20	mec_voip.c	501	4	Load Country Code 1 from private mib
c7f3c24a	20	mec_country.c	186	4	---country code 1 is valid.
c7f3c279	20	mec_main.c	529	4	Starting mib save timer
c7f3c299	20	mec_ip_path_mai	123	4	MEC_ Ip PathInit { log } : The customer is ALU
c7f3c29c	20	mec_ip_path_mai	164	4	MEC_IpPathInit { log } : use the default xml /etc/US.xml !

c7f3c2ae	20	mec_ main.c 1334	4 Misc Manager is ready
c7f3c6e1	21	mec_ main.c 1285	4 Pon Manager is ready
c7f3ca66	22	mec_ main.c 1344	4 Net Manager is ready
c7f3cb2c	22	mec_ main.c 1305	4 Voip Manager is ready
c7f3d29c	24	mec_ main.c 1295	4 Ethnet Manager is ready

3. OMCI MIB

3.1 MIB dump CLI

To print the ONT OMCI MIB . CLI "dump" will save the file in /s/s/tmp/mibdump.txt. CLI" /s/s/" will go to dir /s/s. CLI "cat /tmp/mibdump.txt" will print all the OMCI MIB.
[Command]
/s/m/dump
/s/s/
cat /tmp/mibdump.txt
Example:

#ONT/system/shell>/s/m/dump
MIB is saved to the file /tmp/mibdump.txt.
#ONT/system/shell>/s/s/
#ONT/system/shell>cat /tmp/mibdump.txt

Total 292 tables

Table Ontg, Ont-g, ME 256, total 1 instances
EntityID   = 0x0000
VID   = 41 4c 43 4c
Version   = 33 46 45 35 33 33 34 37 41 55 41 41 30 32
SerialNum   = 41 4c 43 4c f8 da 2d 07
TraffMgtOpt   = 0x00
AtmCCOpt   = 0x00
BatteryBack   = 0x00
AdminState   = 0x00
OpState   = 0x00
OntState   = 0x03

3.2 MIB reset CLI

To Reset mib to default values
[Command]
/s/m/reset
Example:
/s/m/reset

3.3 MIB show CLI

Usage: show CLASSID
CLASSID: the class ID of the ME, defined in 983.2/984.4, currently the following
MEs are supported:
[Command]
/s/m/show ID
Example:
#ONT/system/mib>show 45
Table MacBriServProf, MAC Bridge Service Profile, total 1 instances
EntityID   = 0x0e01
SpanTreeInd   = 0
LearningInd   = 0
AtmBriInd   = 0
Priority   = 32768
MaxAge   = 5120
HelloTime   = 512
ForwardDelay   = 3840
DiscardUnknow   = 0
MacLearningDepth   = 0
DynFilterAgeTime   = 0
#ONT/system/mib>

4. Common service debug information

4.1 Check general traffic configure

/system/ontver
/system/ontver build
/traffic/pon/show traffic all
/traffic/omci/show connection all
/traffic/omci/debug/show 0
/traffic/eth/show connect all
/traffic/pon/show link
/traffic/eth/show pack
/s/s/ifconfig
/system/misc/eqsn get
/ system/ misc/ show trans state
/s/log/show omci
/s/log/show mec
/s/log/show emr
/s/log/show pmr

/s/log/show pmr_drv
/s/log/show mec_fm
/s/log/show us_ploam
/s/log/show ds_ploam
/system/log/show net
/s/m/dump
/s/s/
cat /tmp/mibdump.txt

4.2 Check detail traffic configure

/traffic/omci/show connection all
/traffic/omci/debug/show 0
/traffic/eth/debug/showconn all
/traffic/eth/debug/showconn 0
/traffic/eth/show connect all
/stytem/log/show mec

4.3 CheckIPTVconfigure

/traffic/eth/show igmp domain
/traffic/eth/show igmp uni
/traffic/eth/show igmp pm all
/traffic/eth>show igmp pm
/system/ontver
/ system/ ontver build
/traffic/pon/show traffic all
/traffic/omci/show connection all
/traffic/omci/debug/show 0
/traffic/eth/show connect all
/traffic/pon/show link
/traffic/eth/show pack
/s/s/ifconfig
/system/misc/eqsn get
/ system/ misc/ show trans state/ s/ log/
show omci
/s/log/show mec
/s/log/show emr
/s/log/show pmr
/s/log/show pmr_drv
/s/log/show mec_fm
/s/log/show us_ploam
/s/log/show ds_ploam
/system/log/show net
/s/m/dump
/s/s/

cat /tmp/mibdump.txt

4.4 Check traffic PM

/traffic/pon/show pm gem all
/traffic/omci/show pm gem
/traffic/omci/show pm eth
/traffic/omci/show pm omci