

# XGS-SFP-ONT-MAC-I Configuration Guide

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XGS-SFP-ONT-MAC-I

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## 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

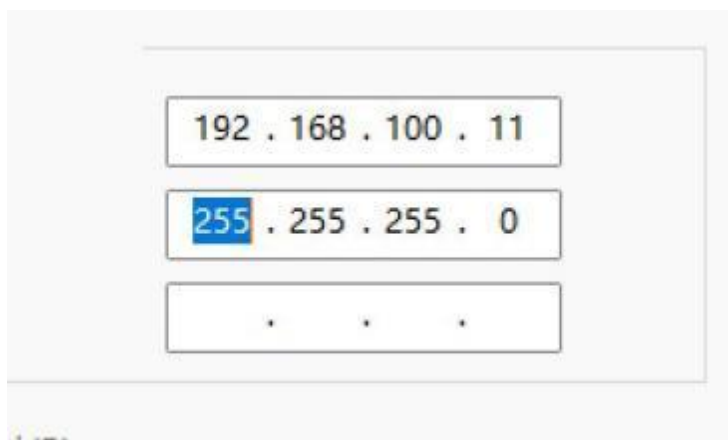
Section 5: Provide the way to OMCI mib command

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

```
Command Prompt
C:\V>ping 192.168.100.1
Pinging 192.168.100.1 with 32 bytes of data:
Reply from 192.168.100.1: bytes=32 time=1ms TTL=64
Reply from 192.168.100.1: bytes=32 time=1ms TTL=64
Reply from 192.168.100.1: bytes=32 time=1ms TTL=64
Reply from 192.168.100.1: bytes=32 time=1ms TTL=64

Ping statistics for 192.168.100.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

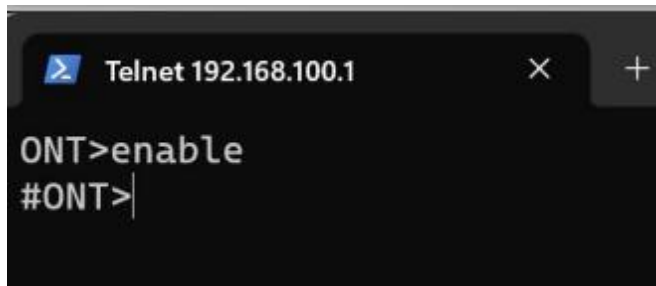
C:\V>
```

**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** telnet to ONT, username is "xxxxxx" .

**Steps 5** The password is "xxxxxx" .

**Steps 6** Input "enable" to enter configure mode



```
Telnet 192.168.100.1
ONT>enable
#ONT>
```

## 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"
```

- **Modify MAC address**

```
#ONT/system/misc>mac1 get
```

```
mac1: 7c.9f.07.c5.dc.dc
```

```
---ATECMDRESULT--- OK
```

```
#ONT/system/misc>mac1 set 00:00:11:22:33:44
```

### 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:
0x44454641554c540000000000000000000000000000000000000000000000000000
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 = 0xffff
```

```
Pon Info:
```

```
  IwTp  GemPort DsQ   UsQ   Mc Dir DFlow CPUQ UFlow Type  Tcont
  0xffff 0xffff 0x0000 0x0000 00 002 00000 0000 00000 ETH |
```

```
Bridge Port Id = 0xa102, type = 802.1p, TP Ptr = 0xa102
```

```
802.1 P Info:
```

```
  IwTp  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
    Emrbelnited : 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  Query v2Exist Querier  Snoop Fast Host  Port  Proxy
Ver  Ver   Present          EN  LEAVE Track  Mask  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  Query v2Exist Querier  Snoop Fast Host  Port  Proxy
Ver  Ver   Present          EN  LEAVE Track  Mask  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   : 0x00000000
rx blocks    : 0x00000000
tx blocks    : 0x00000000
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   : 0x00000000
rx blocks    : 0x00000000
tx blocks    : 0x00000000
```

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



```

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
c7f3c6e1      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, allocld
= 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
c7f3d2e1	24	pmr_pack_cortin	244		
c7f3d3a9	25	pmr_pack_cortin	253	4	pon device is opened. fd[9], cnt[0]
c7f3d3c2	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 password: 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(100000000000000080)
c800ac5c    46 mmr_led_cfg.c 1121    4 mmr_ LedHandleEvent:
event(10000000000000100)
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(4000000000000000)
c800ac5d    46 mmr_led_cfg.c 1121    4 mmr_ LedHandleEvent:
event(10000000000000100)
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(10000000000000100)
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(10000000000000100)

```

### 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 3d pmr_event_corti 422 4 04 01 01 00 00 00 00 00 00 00
00 00
c7f43452 3d pmr_event_corti 422 4 00 00 00 00 00 00 00 00 00 00
00 00
c7f43452 3d pmr_event_corti 422 4 00 00 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
c7f433b6	3d	omci_msg.c	187	4	zero: 0x0, len: 0x28 crc: 0xdddd2b809
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
c7f433b8	3d	omci_msg.c	184	4	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
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
c7f433ba	3d	omci_msg.c	184	4	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
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]
c7f3bfb6      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
```