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# 92.1 ONT Status Command Tree

# **Description**

This chapter gives an overview of nodes that are handled by "ONT Status Commands".

## **Command Tree**

```
----show
    ----equipment
        ----ont
             ----interface
                 - (ont-idx)
             ----operational-data
                 - (ont-idx)
             ----slot
                 - (ont-slot-idx)
             ----sw-ctrl
                 - (sw-ctrl-idx)
             ----sw-version
                 - (sw-ver-id)
             ----sw-download
                 - (ont-idx)
             ----data-store
                 - (ont-idx)
             ----optics
                 - (ont-idx)
             ----optics-history
                 - (ont-idx)
             ----pwr-shed
                 - (ont-idx)
             ----tc-layer
                 ----olt-side-on-demand
                      ----current-interval
                           - (ont-idx)
                      ----previous-interval
                           - (ont-idx)
                           - interval-num
                 ----ont-side
                      ----current-interval
                          - (ont-idx)
                      ----previous-interval
                          - (ont-idx)
                          - interval-num
                 ----olt-side
                      ----current-interval
                          - (ont-idx)
                      ----previous-interval
                           - (ont-idx)
                           - interval-num
             ----mcast-tc-layer
                 ----ont-side
                      ----current-interval
                          - (ont-idx)
```

```
----previous-interval
             - (ont-idx)
             - interval-no
----fec-tc-layer
    ----ont-side
        ----current-interval
             - (ont-idx)
    ----olt-side
        ----current-interval
             - (ont-idx)
----sw-ctrl-list
    - (sw-ctrl-idx)
----ethernet
    ----current-interval
        - (ont-idx)
    ----previous-interval
        - (ont-idx)
        - interval-num
    ----total
        - (ont-idx)
----phy-layer
    ----olt-side
         ----current-interval
             - (ont-idx)
----xg-tc-layer
    ----ont-side
        ----current-interval
             - (ont-idx)
         ----previous-interval
             - (ont-idx)
             - interval-no
    ----olt-side
        ----current-interval
             - (ont-idx)
        ----previous-interval
             - (ont-idx)
             - interval-no
----utilization
    ----current-interval
        - (ont-idx)
    ----previous-interval
        - (ont-idx)
        - interval-num
----cfg-download
    - (ont-idx)
----ng2-cfg-download
    ----channel-group
        - (channel-group)
        - subchannel-group
        - ont-id
----index
    - (ont-search-string)
----gis
    - (ont-idx)
----xg-mgmt
    ----ont-side
        ----current-interval
             - (ont-idx)
```

----previous-interval

- (ont-idx)
- interval-no
----memory-usage
----current-interval
- (ont-idx)
- interval-num
----cpu-load
----current-interval
- (ont-idx)
- interval-num
----cpu-load
----current-interval
- (ont-idx)
----previous-interval
- (ont-idx)

- interval-num

# 92.2 ONT Interface Command

# **Command Description**

This command reports Interface parameters for the ont.

## **User Level**

The command can be accessed by operators with equipment privileges.

# **Command Syntax**

The command has the following syntax:

> show equipment ont interface [ (ont-idx) ]

## **Command Parameters**

Table 92.2-1 "ONT Interface Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	identification of ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

# **Command Output**

Table 92.2-2 "ONT Interface Command" Display parameters

#### **Specific Information**

name	Type	Description
eqpt-ver-num	Parameter type: <gpon::swver></gpon::swver>	version number of the ont
	- ont sw version	This element is always shown.
	- length: 1<=x<=14	
sw-ver-act	Parameter type: <gpon::swver></gpon::swver>	active software version in the ont
	- ont sw version	This element is always shown.
	- length: 1<=x<=14	
sw-ver-psv	Parameter type: <gpon::swver></gpon::swver>	passive software version in the
	- ont sw version	ont
	- length: 1<=x<=14	This element is only shown in
		detail mode.
vendor-id	Parameter type: <gpon::vendorid></gpon::vendorid>	vendor id
	- vendor id - 4 ASCII characters	This element is only shown in
	- range: [a-zA-Z0-9]	detail mode.
	- length: 4	
equip-id	Parameter type: <gpon::equipid></gpon::equipid>	equipment id
	- ont equip Id	This element is only shown in
	- length: x<=20	detail mode.
actual-num-slots	Parameter type: <gpon::actualontslotid></gpon::actualontslotid>	actual number of slots on ont
	- Gpon Ont Slot	This element is always shown.
	- range: [016]	
version-number	Parameter type: <gpon::ontversion></gpon::ontversion>	version number of ont
	- the version number of a card	This element is always shown.
	- length: x<=14	
num-tconts	Parameter type: <gpon::tconts></gpon::tconts>	number of t-conts supported
	- tconts	This element is only shown in
	- range: [04095]	detail mode.
num-trf-sched	Parameter type: <gpon::trafficsched></gpon::trafficsched>	number of traffic schedulers
	- traffic schedule	supported
	- range: [0255]	This element is only shown in
		detail mode.
num-prio-queues	Parameter type: <gpon::prioqueues></gpon::prioqueues>	number of priority queues
	- priority queues	supported
	- range: [04095]	This element is only shown in
		detail mode.
auto-sw-planned-ver	Parameter type: <gpon::swver></gpon::swver>	planned software of ont
	- ont sw version	This element is only shown in
	- length: 1<=x<=14	detail mode.
auto-sw-download-ver	Parameter type: <gpon::swver></gpon::swver>	download software version of ont
	- ont sw version	This element is only shown in
	- length: 1<=x<=14	detail mode.
sernum	Parameter type: <gpon::sernum2></gpon::sernum2>	Serial number of ont
	<gpon::vendoridnum> : <gpon::serialno></gpon::serialno></gpon::vendoridnum>	This element is always shown.
	Field type <gpon::vendoridnum></gpon::vendoridnum>	
	- vendor id -4 ASCII characters	
	- length: 4	
	Field type <gpon::serialno></gpon::serialno>	
	- serial num - 8 ASCII characters	
	- range: [a-fA-F0-9]	
	- length: 8	
yp-serial-no	Parameter type: <gpon::ypserialnumber></gpon::ypserialnumber>	Yp Serial number of ont
	( unknown	This element is always shown.
	< Printable String > )	
	Possible values:	
	- unknown : yp serial number not supported for this ONT	
	Field type <printablestring></printablestring>	
	- printable string	
oper-spec-ver	Parameter type: <gpon::operspecver></gpon::operspecver>	the ctc spec version supported by

name	Туре	Description
	(ctc-v2.0	the ont
	unknown	This element is only shown in
	<gpon::operspecver> )</gpon::operspecver>	detail mode.
	Possible values:	
	- ctc-v2.0 : ctc version 2.0	
	- unknown : the version is unknown	
	Field type <gpon::operspecver></gpon::operspecver>	
	- the ctc spec version supported by the ont	
	- range: [0256]	
act-ont-type	Parameter type: <gpon::actonttype></gpon::actonttype>	the ctc ont type
	( sfu	This element is only shown in
	hgu	detail mode.
	sbu	
	cbu	
	mdu	
	mtu	
	unknown	
	<gpon::actonttype> )</gpon::actonttype>	
	Possible values:	
	- sfu : the ont type is sfu	
	- hgu : the ont type is hgu	
	- sbu : the ont type is sbu	
	- cbu : the ont type is cbu	
	- mdu : the ont type is mdu	
	- mtu : the ont type is mtu	
	- unknown : the ont type is unknown	
	Field type <gpon::actonttype></gpon::actonttype>	
	- the ctc ont type	
	- range: [0256]	1. d
act-txpower-ctrl	Parameter type: <gpon::acttxpwrctrl></gpon::acttxpwrctrl>	whether power supply of ONT
	( not-supported	transmitter can be independently
	tx-only	controlled
	tx-rx	This element is only shown in
	unknown	detail mode.
	<gpon::acttxpwrctrl> )</gpon::acttxpwrctrl>	
	Possible values:	
	- not-supported : not supported	
	- tx-only : only supporting tx control	
	- tx-rx : tx and rx power supplies can be controlled	
	independently	
	- unknown : the power supply ctrl mode is unknown	
	Field type <gpon::acttxpwrctrl></gpon::acttxpwrctrl>	
	- whether power supply of ONT transmitter can be	
	independently controlled	
	- range: [0256]	
sn-bundle-status	Parameter type: <gpon::snbundlestatus></gpon::snbundlestatus>	an with loid/alid hundling status
sii-buildie-status	**	sn with loid/slid bundling status
	(idle	This element is only shown in
	bundling	detail mode.
	bundled )	
	Possible values:	
	- idle : the sn currently is not bundled	
	- bundling : the sn currently is not bundled while	
	auto-bundle timer has been started	
	- bundled : the sn currently is bundled	
	- buildied : the sir currently is buildied	
cfgfile1-ver-act		active configure file 1 version in
cfgfile1-ver-act	Parameter type: <gpon::cfgfile> - ont configure file version</gpon::cfgfile>	active configure file 1 version in the ont

name	Type	Description
cfgfile1-ver-psv	Parameter type: <gpon::cfgfile></gpon::cfgfile>	passive configure file 1 version in
	- ont configure file version	the ont
	- length: 1<=x<=14	This element is only shown in
		detail mode.
cfgfile2-ver-act	Parameter type: <gpon::cfgfile></gpon::cfgfile>	active configure file 2 version in
	- ont configure file version	the ont
	- length: 1<=x<=14	This element is always shown.
cfgfile2-ver-psv	Parameter type: <gpon::cfgfile></gpon::cfgfile>	passive configure file 2 version in
	- ont configure file version	the ont
	- length: 1<=x<=14	This element is only shown in
		detail mode.
actual-us-rate	Parameter type: <gpon::actualusrate></gpon::actualusrate>	actual upstream rate.
	(	This element is always shown.
	2.5g	
	10g	
	1.25g	
	25g )	
	Possible values:	
	- : unknown	
	- 2.5g : 2.5 GBit/sec	
	- 10g: 10 GBit/sec	
	- 1.25g : 1.25 GBit/sec	
	- 25g : 25 GBit/sec	
template-name	Parameter type: <gpon::onuprovtemplatename></gpon::onuprovtemplatename>	ONT Semi-Auto Provision
-	- Template name to be used for ONU auto provisioning	template name
	- range: [a-zA-Z0-9]	This element is only shown in
	- length: x<=20	detail mode.
auto-prov-status	Parameter type: <gpon::onuautoprovstatus></gpon::onuautoprovstatus>	ONT Semi-Auto provisioning
_	( not-applicable	status
	failed	This element is only shown in
	success)	detail mode.
	Possible values:	
	- not-applicable : ONU semi-auto provisioning is not	
	applicable	
	- failed : ONU semi-auto provisioning failed	
	- success : ONU semi-auto provisioning is success	

# 92.3 ONT Interface Operational Status Command

# **Command Description**

this command reports current operational parameters for the ont.

## **User Level**

The command can be accessed by operators with equipment privileges.

# **Command Syntax**

The command has the following syntax:

> show equipment ont operational-data [ (ont-idx) ]

#### **Command Parameters**

**Table 92.3-1 "ONT Interface Operational Status Command" Resource Parameters** 

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	identification of ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

# **Command Output**

Table 92.3-2 "ONT Interface Operational Status Command" Display parameters

#### **Specific Information**

name	Туре	Description
loss-of-signal	Parameter type: <gpon::lossofsignal></gpon::lossofsignal>	loss of signal alarm (los).
	( no	This element is always shown.
	yes)	
	Possible values:	
	- no : no loss of signal	
	- yes : loss of signal	
loss-of-ack	Parameter type: <gpon::lossofack></gpon::lossofack>	loss of acknowledge alarm (loa).
	( no	This element is always shown.
	yes)	
	Possible values:	
	- no : no loss of acknowledgement	
loss of som	- yes : loss of acknowledgement	loss of som showned delineation
loss-of-gem	Parameter type: <gpon::lossofgem></gpon::lossofgem>	loss of gem channel delineation
	( no   yes )	(lcd).  This element is always shown.
	Possible values:	This element is always shown.
	- no : no loss of gem channel delineation	
	- yes : loss of gem channel delineation	
physical-eqpt-err	Parameter type: <gpon::physicaleqpterr></gpon::physicaleqpterr>	physical equiptment error (pee).
physical eqpt on	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	
	- no : no physical equipment error	
	- yes : physical equipment error	
startup-failure	Parameter type: <gpon::startupfailure></gpon::startupfailure>	startup failure (suf).
1	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	
	- no : no startup failure	
	- yes : startup failure	
signal-degrade	Parameter type: <gpon::signaldegrade></gpon::signaldegrade>	signal degrade (sd).
	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	
	- no : no signal degrade	
ont-disabled	- yes : signal degrade Parameter type: <gpon::ontdisabled></gpon::ontdisabled>	ont disabled (ontdisabled).
ont-disabled	( no	This element is always shown.
	yes)	This element is always shown.
	Possible values:	
	- no : ont not disabled	
	- yes : ont disabled	
msg-error-msg	Parameter type: <gpon::msgerrormsg></gpon::msgerrormsg>	message error message (mem).
	( no	This element is only shown in
	(yes)	detail mode.
	Possible values:	
	- no : no message error message	
	- yes : message error message	
inactive	Parameter type: <gpon::inactive></gpon::inactive>	inactive (inact).
	( no	This element is always shown.
	yes)	
	Possible values:	
	- no : active	
1 0 0	- yes : inactive	1 00 00
loss-of-frame	Parameter type: <gpon::lossofframe></gpon::lossofframe>	loss of frame (lof).
	( no	This element is only shown in
	yes)	detail mode.

name	Type	Description
	Possible values:	•
	- no : no loss of frame	
	- yes : loss of frame	
signal-fail	Parameter type: <gpon::signalfail></gpon::signalfail>	signal fail (sf).
	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	
	- no : no signal failure	
	- yes : signal failure	
dying-gasp	Parameter type: <gpon::dyinggasp></gpon::dyinggasp>	dying gasp (dg).
	( no	This element is always shown.
	yes)	
	Possible values:	
	- no : no dying gasp	
	- yes : dying gasp	
deactivate-fail	Parameter type: <gpon::deactivatefail></gpon::deactivatefail>	deactivate failure (df).
	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	
	- no : no deactivate failure	
	- yes : deactivate failure	
loss-of-ploam	Parameter type: <gpon::lossofploam></gpon::lossofploam>	loss of ploam(lop).
	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	
	- no : no loss of ploam	
	- yes : loss of ploam	
drift-of-window	Parameter type: <gpon::driftofwindow></gpon::driftofwindow>	drift of window (dow).
	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	
	- no : no drift of window	
	- yes : drift of window	
remote-defect-ind	Parameter type: <gpon::remotedefectind></gpon::remotedefectind>	remote defect indication (rdi).
	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	
	- no : no remote defect indication	
1 01	- yes : remote defect indication	
loss-of-key-sync	Parameter type: <gpon::lossofkeysync></gpon::lossofkeysync>	loss of key synchronization
	( no	(loks).
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : no loss of key synchronization	
. 12 1 1 1	- yes : loss of key synchronization	
rogue-ont-disabled	Parameter type: <gpon::rogueontdis></gpon::rogueontdis>	rogue ont disable (rogueontdis).
	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	
	- no : no rogue ont disable	
1,00 1	- yes : rogue ont disable	1:00
diff-reach	Parameter type: <gpon::diffreach></gpon::diffreach>	differential reach capability
	( no	exceeded (difreach).
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : differential reach capability not exceeded	
	- yes : differential reach capability exceeded	

name	Туре	Description
ont-olt-distance	Parameter type: <gpon::ontoltdist></gpon::ontoltdist>	estimate of the distance between
	( invalid	this ont and the olt.
	not-supported	This element is always shown.
	<gpon::distontolt> )</gpon::distontolt>	
	Possible values:	
	- invalid : valid measurement is currently unattainable for	
	some reason	
	- not-supported : the measurement functionality is not	
	supported by this particular unit.	
	Field type <gpon::distontolt></gpon::distontolt>	
	- estimate of the distance between this ont and the olt	
	- unit: km	
	- range: [06550,6553.46553.5]	
tod-sync	Parameter type: <gpon::ontsyncstatus></gpon::ontsyncstatus>	the ont clock tod synchronized
tod syne	( no	status.
	yes)	This element is always shown.
	Possible values:	This element is always shown.
	- no : ont Clock not synced to olt	
	- yes : ont Clock synced to olt	
sw-ver-act	Parameter type: <gpon::swver></gpon::swver>	active software version in the ont.
sw-ver-act	- ont sw version	This element is only shown in
	- length: 1<=x<=14	detail mode.
CW VOE BOV	Parameter type: <gpon::swver></gpon::swver>	passive software version in the
sw-ver-psv	- ont sw version	ont.
	- length: 1<=x<=14	This element is only shown in
	- length. 1<-x<-14	detail mode.
Last mastant massan	Domanatan trima. (Chanu Ont Latast Dastant Dassan)	show ont latest restart reason
last-restart-reason	Parameter type: <gpon::ontlatestrestartreason></gpon::ontlatestrestartreason>	
	(unspecified-other	This element is always shown.
	software-restart	
	hardware-restart	
	timer-expiration	
	hardware-error	
	hardware-auto-restart	
	over-temperature	
	software-out-of-memory	
	software-auto-restart	
	user-software-restart	
	$  n/a \rangle$	
	Possible values:	
	- unspecified-other : Unspecified other	
	- software-restart : User initiated software restart remotely	
	by OMCI/PLOAM	
	- hardware-restart : User initiated hardware restart	
	- timer-expiration : Self-monitor timer expiration	
	- hardware-error : Hardware error (bus time-out, misaligned	
	memory access, etc.)	
	- hardware-auto-restart : Hardware auto-restart (on-board	
	voltage monitor auto-restart, etc.)	
	- over-temperature : Over temperature	
	- software-out-of-memory: Software out of memory	
	- software-auto-restart : Software auto-restart (unresolvable	
	references, critical internal inconsistency)	
	- user-software-restart : User initiated software restart	
	- user-software-restart : User initiated software restart	
	- user-software-restart : User initiated software restart locally by CLI/WEB	
down-reason	- user-software-restart : User initiated software restart	down cause of ont form OLT

name	Type	Description
	loss-of-acknowledge	This element is always shown.
	channel-delineation	
	equipment-error	
	start-up-failure	
	signal-degrade	
	ont-disabled	
	error-message	
	ploam-inactive	
	loss-of-frame	
	signal-failure	
	· ·	
	dying-gasp   deactivate-failure	
	loss-of-oam	
	·	
	drift-of-window	
	remote-defect	
	loss-of-key-signal	
	roque-ont-disabled	
	pon-exceeds-diff-reach	
	loss-of-omci-channel	
	ont-omci-failure	
	ont-equipment-failure	
	sw-activation-failure	
	password-auth-failure	
	equipment-mismatch	
	invalid-active-version	
	upstream-rate-mismatch	
	me-mismatch-alarm	
	voip-config-error	
	ont-temperature-rise	
	ont-tuning-failed	
	user-software-restart	
	admin-down	
	pon-down	
	not-yet-detected	
	lt-reboot	
	$  n/a \rangle$	
	Possible values:	
	- loss-of-signal : PLOAM Loss Of Signal	
	- loss-of-acknowledge : PLOAM Loss of Acknowledgement	
	- channel-delineation : PLOAM Loss of Channel	
	Delineation	
	- equipment-error : PLOAM Physical Equipment Error	
	- start-up-failure : PLOAM Start Up Failure	
	- signal-degrade : PLOAM Signal Degrade	
	- ont-disabled : PLOAM Misbehaved ONT Disabled	
	- error-message : PLOAM Message Error Message	
	- ploam-inactive : PLOAM Inactive	
	- loss-of-frame : PLOAM Loss of Frame	
	- signal-failure : PLOAM Signal Fail	
	- dying-gasp : PLOAM Dying Gasp	
	- dying-gasp : 1 LOAM Dying Gasp - deactivate-failure : PLOAM Deactivate Failure	
	- loss-of-oam : PLOAM Loss of Operations	
	- 10ss-01-0am : PLOAM Loss of Operations Administrations and Maintenance	,
	- drift-of-window: PLOAM Drift of Window	
	- remote-defect : PLOAM Remote Defect Indication	
	- loss-of-key-signal : PLOAM Loss of Key Signal	
	- roque-ont-disabled : PLOAM Roque ONT Disabled	

name	Type	Description
	- pon-exceeds-diff-reach: PLOAM PON exceeds differential	
	reach capability	
	- loss-of-omci-channel : PLOAM Loss of OMCI Channel on	
	ONT	
	- ont-omci-failure : ONT OMCI Failure	
	- ont-equipment-failure : ONT Equipment Failure	
	- sw-activation-failure : ONT Software Activation Failed	
	- password-auth-failure : ONT Password Authentication	
	Failed	
	- equipment-mismatch : ONT Equipment Mismatch Alarm	
	- invalid-active-version: ONT Invalid active version	
	- upstream-rate-mismatch: ONT Planned and active	
	Upstream Rate Mismatch	
	- me-mismatch-alarm : ONT ME Mismatch Alarm	
	- voip-config-error : VOIP Configuration File Error	
	- ont-temperature-rise : ONT Temperature Rise	
	- ont-tuning-failed : ONT Tuning Failed	
	- user-software-restart : User initiated software restart	
	locally by CLI/WEB	
	- admin-down : Admin down	
	- pon-down : Pon down	
	- not-yet-detected : Not Yet Detected	
	- lt-reboot : Down by LT - ONT went down due to LT	
	reboot	
	- n/a : Unknown	

# 92.4 ONT Card Status Command

# **Command Description**

This command show ont card holder actual information.

#### **User Level**

The command can be accessed by operators with equipment privileges.

# **Command Syntax**

The command has the following syntax:

> show equipment ont slot [ (ont-slot-idx) ]

## **Command Parameters**

Table 92.4-1 "ONT Card Status Command" Resource Parameters

<b>Resource Identifier</b>	Туре	Description
(ont-slot-idx)	Format:	current operational parameters
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	for the ont
	<eqpt::ponid> / <eqpt::ontid> / <gpon::ontslotid></gpon::ontslotid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid> / <gpon::ontslotid> )</gpon::ontslotid></ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	
	Field type <gpon::ontslotid></gpon::ontslotid>	
	- Gpon Ont Slot	
	- range: [114]	

# **Command Output**

Table 92.4-2 "ONT Card Status Command" Display parameters

Specific Information		
name	Type	Description
act-num-data-ports	Parameter type: <gpon::ontcardnoofports></gpon::ontcardnoofports>	the actual number of data ports
1	- the actual number of ports	for the ont card.
	- range: [024]	This element is always shown.
act-num-voice-ports	Parameter type: <gpon::ontcardnoofpotsports></gpon::ontcardnoofpotsports>	the actual number of voice ports
act nam voice ports	- the actual number of ports	for the ont card.
	- range: [024]	This element is always shown.
actual-card-type	Parameter type: <gpon::ontcardtype></gpon::ontcardtype>	the type of card that is present in
actual-card-type	( ethernet	the ont.
	10_100baset	
		This element is always shown.
	pots	
	802_11	
	vdsl2pots	
	vdsl2	
	ethpots	
	none	
	video	
	veip	
	ds1/e1	
	hpna	
	2488_1244	
	moca	
	unknown )	
	Possible values:	
	- ethernet : 10/100/1000/10000 base-t	
	- 10_100baset : 10/100 base-t or 10/100/1000 base-t card	
	- pots : pots card	
	- 802_11 : 80211 card	
	- vdsl2pots : vdsl2/pots combo card	
	- vdsl2 : vdsl2 only card	
	- ethpots : ethernet/pots combo card	
	- none : no card is present	
	- video : video card	
	- veip: VEIP card	
	- ds1/e1 : configurable ds1/e1 card	
	- hpna : hpna card	
	- 2488_1244 : GPON24881244 card	
	- moca : moca	
	- unknown : an unknown card type is present	
actual-ont-integ	Parameter type: <gpon::ontinteg></gpon::ontinteg>	how the interfaces at the ont are
	( nonintegrated	modeled.
	integrated	This element is only shown in
	unknown )	detail mode.
	Possible values:	
	- nonintegrated : non-integrated interfaces (pluggable units)	
	- integrated : integrated interfaces (no pluggable units)	
	- unknown : not known	
actual-serial-num	Parameter type: <gpon::ontserial></gpon::ontserial>	the least significant 8 characters
	- significant 8 characters of the serial number	of the serial number of a card that
	- length: x<=8	is present in the ont.
	. <i>G</i>	This element is always shown.
actual-version-num	Parameter type: <gpon::ontversion></gpon::ontversion>	the version number of a card that
actaur version num	- the version number of a card	is present in the ont.
	- length: x<=14	This element is only shown in
	iongui. A\—17	detail mode.
L		aeiaii moae.

name	Type	Description
actual-vendorid	Parameter type: <gpon::ontvendor></gpon::ontvendor>	the vendor id of a card that is
	- the vendor id of a card	present in the ont.
	- length: x<=4	This element is only shown in
		detail mode.
actual-cardid	Parameter type: <gpon::ontcardid></gpon::ontcardid>	the identifier of a card (such as
	- the identifier of a card	clei code) that is present in the
	- length: x<=20	ont.
		This element is only shown in
		detail mode.
state	Parameter type: <gpon::ontoperstate></gpon::ontoperstate>	operation state of ont.
	( enabled	This element is always shown.
	disabled )	
	Possible values:	
	- enabled : enabled	
	- disabled : disabled	

# 92.5 ONT Software Control Status Command

# **Command Description**

This command shows an association between an ont hardware version/variant and an ont software version.

## **User Level**

The command can be accessed by operators with equipment privileges.

# **Command Syntax**

The command has the following syntax:

> show equipment ont sw-ctrl [ (sw-ctrl-idx) ]

#### **Command Parameters**

Table 92.5-1 "ONT Software Control Status Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(sw-ctrl-idx)	Format:	ont software control table index
	- ont software control table index	
	- range: [1250]	

# **Command Output**

Table 92.5-2 "ONT Software Control Status Command" Display parameters

Specific Information			
name	Type	Description	
last-update-time	Parameter type: <gpon::ontlastupdatetime></gpon::ontlastupdatetime>	last update time of ont software	
	- the time (yyyy-mm-dd:hour:minutes:secs)	control table.	
	- unit: UTC	This element is always shown.	
num-ref-onts	Parameter type: <gpon::ontnoofrefonts></gpon::ontnoofrefonts>	the number of onts that are	
	- number of onts that are referencing	referencing this ont software	
	- range: [04608]	control entry.	
		This element is always shown.	
pre-plan-swver	Parameter type: <gpon::ontversion></gpon::ontversion>	the previous planned ont software	
	- the version number of a card	version used when	
	- length: x<=14	swverplan=auto.	
		This element is always shown.	

# 92.6 ONT Software Version Status Command

# **Command Description**

This command reports the ont software version files that are currently resident on the nt file system.

## **User Level**

The command can be accessed by operators with equipment privileges.

# **Command Syntax**

The command has the following syntax:

> show equipment ont sw-version [ (sw-ver-id) ]

#### **Command Parameters**

Table 92.6-1 "ONT Software Version Status Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(sw-ver-id)	Format:	index of software version file
	- software version info index	
	- range: [1250]	

# **Command Output**

Table 92.6-2 "ONT Software Version Status Command" Display parameters

Specific Informat	tion	
name	Type	Description
sw-ver	Parameter type: <gpon::ontversion></gpon::ontversion>	ont software version identifier.
	- the version number of a card	This element is always shown.
	- length: x<=14	
sw-ver-size	Parameter type: <gpon::ontswversize></gpon::ontswversize>	this attribute contains the ont
	- ont software file size	software file size (in bytes).
	- range: [04294967295]	This element is always shown.

# 92.7 ONT Software Download Status Command

# **Command Description**

This command shows individual ont fine-grain status associated with any sw download activity.

## **User Level**

The command can be accessed by operators with equipment privileges.

# **Command Syntax**

The command has the following syntax:

> show equipment ont sw-download [ (ont-idx) ]

#### **Command Parameters**

Table 92.7-1 "ONT Software Download Status Command" Resource Parameters

<b>Resource Identifier</b>	Type	Descrip	ption	
(ont-idx)	Format:	current	operational	parameters
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	for the o	ont	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>			
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>			
	<ng2::ontid>)</ng2::ontid>			
	Possible values:			
	- ng2 : ngpon2 style identification			
	Field type <eqpt::rackid></eqpt::rackid>			
	- the rack number			
	Field type <eqpt::shelfid></eqpt::shelfid>			
	- the shelf number			
	Field type <eqpt::slotid></eqpt::slotid>			
	- the LT slot number			
	Field type <eqpt::ponid></eqpt::ponid>			
	- the PON identifier			
	Field type <ng2::channelgroup></ng2::channelgroup>			
	- channel group number			
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>			
	- subchannel group number			
	Field type <eqpt::ontid></eqpt::ontid>			
	- the ONT identifier			
	Field type <ng2::ontid></ng2::ontid>			
	- the ONT identifier			

# **Command Output**

Table 92.7-2 "ONT Software Download Status Command" Display parameters

**Specific Information** 

name	Type	Description
planned	Parameter type: <gpon::notplnd></gpon::notplnd>	ont is not planned.
1	( no	This element is always shown.
	yes)	, and the second
	Possible values:	
	- no : ont is planned	
	- yes : ont is not planned	
inactive	Parameter type: <gpon::inact></gpon::inact>	ont is not active.
mactive	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	detait mode.
	- no : ont is active	
1 1 . 1	- yes : ont is not active	1 1111 . 1
planned-notok	Parameter type: <gpon::nokplnd></gpon::nokplnd>	planned did not equal to active.
	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	
	- no : planned sw is active	
	- yes : planned sw is not active	
download-notok	Parameter type: <gpon::nokdld></gpon::nokdld>	download did not equal to active /
	( no	passive.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : download software is in active or passive	
	- yes : download software is not active or passive	
download-inprogress	Parameter type: <gpon::dldinprog></gpon::dldinprog>	download activity in progress.
do minodo improgress	( no	This element is always shown.
	yes)	Thus element is derively's sile wit.
	Possible values:	
	- no : download not started	
	- yes : download started	
ntlt-inprogress	Parameter type: <gpon::ntltinprog></gpon::ntltinprog>	ntlt file transfer in progress.
ntit-inprogress		
	( no   yes )	This element is always shown.
	Possible values:	
	- no : ntlt file transfer not in progress	
	- yes : ntlt file transfer in progress	1.611
omci-inprogress	Parameter type: <gpon::omciinprog></gpon::omciinprog>	omci file transfer in progress.
	( no	This element is always shown.
	yes)	
	Possible values:	
	- no : omci file transfer not in progress	
	- yes : omci file transfer in progress	
ontflash-inprogress	Parameter type: <gpon::ontflashinprog></gpon::ontflashinprog>	ont flash in progress.
	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	
	- no : ont write not in progress	
	- yes : ont flash in progress	
ontswact-inprogress	Parameter type: <gpon::ontswactinprog></gpon::ontswactinprog>	ont software activation is
	( no	progress.
	yes)	This element is always shown.
	Possible values:	This comen is anyays shown.
	- no : ont software activation not in progress	
	- yes : ont software activation in progress	
ntlt foilure		ntlt file transfer failure.
ntlt-failure	Parameter type: <gpon::ntltfailure></gpon::ntltfailure>	
	( no	This element is only shown in
	yes )	detail mode.

name	Type	Description
	Possible values:	_
	- no : ntlt file transfer not failed	
	- yes : ntlt file transfer failed	
omci-failure	Parameter type: <gpon::omcifailure></gpon::omcifailure>	omci file transfer failure.
	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	
	- no : omci file transfer not failed	
	- yes : omci file transfer failed	
ontflash-failure	Parameter type: <gpon::ontflashfail></gpon::ontflashfail>	ont flash write failure.
	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	
	- no : ont flash writing not failed	
	- yes : ont flash writing failed	, C .: C :1
ontswact-failure	Parameter type: <gpon::ontswactfail></gpon::ontswactfail>	ont software activation failure.
	( no	This element is only shown in
	yes ) Possible values:	detail mode.
	- no : ont software activate not failed	
download-file-notfound	- yes : ont software activate failed	download file not found.
download-life-notiound	Parameter type: <gpon::nodldfile></gpon::nodldfile>	
	(no	This element is always shown.
	yes ) Possible values:	
	- no : download file found	
	- yes : download file not found	
no-matching-software	Parameter type: <gpon::nomatch></gpon::nomatch>	entry match not found in sw ctrl
no-matching-software	( no	table.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : sw entry found in ctrl table	actuit moac.
	- yes : sw entry not found in table	
sw-version-mismatch	Parameter type: <gpon::swvermismatch></gpon::swvermismatch>	software version mismatch.
Sw version inistracen	( no	This element is always shown.
	yes)	
	Possible values:	
	- no : sofware version match	
	- yes : software version mismatch	
sw-download-failure	Parameter type: <gpon::swdlfail></gpon::swdlfail>	software download failed.
	( no	This element is always shown.
	yes)	·
	Possible values:	
	- no : software download not failed	
	- yes : software download failed	
sw-delayactivate	Parameter type: <gpon::swdelayactivate></gpon::swdelayactivate>	software activation delayed.
	( no	This element is always shown.
	yes)	
	Possible values:	
	- no : no delay activation pending	
	- yes : delay activation pending	
sw-download-pending	Parameter type: <gpon::downloadpending></gpon::downloadpending>	sw download activity is pending.
	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	
	- no : no download activity pending	
	- yes : download activity pending	

# 92.8 ONT Data Store Status Command

# **Command Description**

This command reports information on the latest ont data dump/save.

## **User Level**

The command can be accessed by operators with equipment privileges.

# **Command Syntax**

The command has the following syntax:

> show equipment ont data-store [ (ont-idx) ]

#### **Command Parameters**

Table 92.8-1 "ONT Data Store Status Command" Resource Parameters

Resource Identifier	Type	Description
(ont-idx)	Format:	access identifier for the ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

# **Command Output**

Table 92.8-2 "ONT Data Store Status Command" Display parameters

#### **Specific Information**

name	Туре	Description
ont-status	Parameter type: <gpon::ontdatastatus></gpon::ontdatastatus>	current status ont data save.
	( unknown	This element is always shown.
	notsupported	
	reported )	
	Possible values:	
	- unknown : unknown (olt has not yet communicated with	
	ont	
	- notsupported : ont does not support data store feature	
	- reported : dumpdate and dumptime reported by the ont	
last-dump-time	Parameter type: <gpon::ontlastupdatetime></gpon::ontlastupdatetime>	date of the last data dump/save.
-	- the time (yyyy-mm-dd:hour:minutes:secs)	This element is always shown.
	- unit: UTC	

# 92.9 ONT Optics Status Command

# **Command Description**

This command reports a summary of current optical power levels between the olt and a specific ont.

#### **User Level**

The command can be accessed by operators with equipment privileges.

# **Command Syntax**

The command has the following syntax:

> show equipment ont optics [ (ont-idx) ]

#### **Command Parameters**

Table 92.9-1 "ONT Optics Status Command" Resource Parameters

Resource Identifier	Type	Description
(ont-idx)	Format:	access identifier for the ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

# **Command Output**

Table 92.9-2 "ONT Optics Status Command" Display parameters

#### **Specific Information**

name	Туре	Description
rx-signal-level	Parameter type: <gpon::ontopticalsignallevel></gpon::ontopticalsignallevel>	indicates the current
	(unknown	measurement of the ont receive
	unsupported	optical signal level in dBm.
	<gpon::opticalsignallevel> )</gpon::opticalsignallevel>	This element is always shown.
	Possible values:	This element is always shown.
	- unknown: olt has not yet communicated with ont	
	- unsupported : ont does not support the measurement of this	
	attribute	
	Field type <gpon::opticalsignallevel></gpon::opticalsignallevel>	
	- ont receive / tranmit optical signal level	
	- unit: dbm	
	- range: [-65.53665.538]	
tx-signal-level	Parameter type: <gpon::ontopticalsignallevel></gpon::ontopticalsignallevel>	indicates the current
	( unknown	measurement of the ont transmit
	unsupported	optical signal level in dBm.
	<gpon::opticalsignallevel> )</gpon::opticalsignallevel>	This element is always shown.
	Possible values:	
	- unknown : olt has not yet communicated with ont	
	- unsupported : ont does not support the measurement of this	
	attribute	
	Field type <gpon::opticalsignallevel></gpon::opticalsignallevel>	
	- ont receive / tranmit optical signal level	
	- unit: dbm	
	- range: [-65.53665.538]	
ont-temperature	Parameter type: <gpon::onttemperature></gpon::onttemperature>	indicates the current temperature
ont-temperature	( unknown	of the optics module associated
		with this ont.
	unsupported	
	< Gpon::OntTemperature > )	This element is always shown.
	Possible values:	
	- unknown: olt has not yet communicated with ont	
	- unsupported : ont does not support the measurement of this	
	attribute	
	Field type <gpon::onttemperature></gpon::onttemperature>	
	- temperature of ont optical module	
	- unit: degree C	
	- range: [-128128.004]	
ont-voltage	Parameter type: <gpon::ontvoltage></gpon::ontvoltage>	indicates the current voltage of
	( unknown	the optics module associated with
	unsupported	this ont.
	<gpon::ontvoltage>)</gpon::ontvoltage>	This element is always shown.
	Possible values:	•
	- unknown : olt has not yet communicated with ont	
	- unsupported : ont does not support the measurement of this	
	attribute	
	Field type <gpon::ontvoltage></gpon::ontvoltage>	
	- power feed voltage of ont optical module	
	- unit: Volts	
	- range: [-655.36655.38]	
laser-bias-curr	Parameter type: <gpon::ontlaserbias></gpon::ontlaserbias>	indicates the current bias current
14301-0143-0411	( unknown	of the laser associated with this
	· ·	
	unsupported	ont. This element is always shown
	< Gpon::LaserBias > )	This element is always shown.
	Possible values:	
	- unknown: olt has not yet communicated with ont	
	- unsupported : ont does not support the measurement of this	
	attribute	
	Field type <gpon::laserbias></gpon::laserbias>	

name	Туре	Description
	- indicates the bias current of the laser	
	- unit: uA	
	- range: [0131074]	
olt-rx-sig-level	Parameter type: <gpon::ontoltrxsignallevel></gpon::ontoltrxsignallevel>	indicates the current level of the
_	( invalid	ONT's optical signal(as measured
	unsupported	at olt-side)
	<gpon::oltrxsignallevel> )</gpon::oltrxsignallevel>	This element is always shown.
	Possible values:	·
	- invalid : valid measurement is currently unattainable for	
	some reason	
	- unsupported : measurement functionality is not supported	
	Field type <gpon::oltrxsignallevel></gpon::oltrxsignallevel>	
	- measurement of the ont receive optical signal level in dBm	
	- unit: dbm	
	- range: [-500,6553.46553.5]	

# 92.10 ONT Optics History Status Command

# **Command Description**

This command reports the history of optical power levels between the olt and a specific ont.

#### **User Level**

The command can be accessed by operators with equipment privileges.

# **Command Syntax**

The command has the following syntax:

> show equipment ont optics-history [ (ont-idx) ]

#### **Command Parameters**

Table 92.10-1 "ONT Optics History Status Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	access identifier for the ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

# **Command Output**

Table 92.10-2 "ONT Optics History Status Command" Display parameters

#### **Specific Information**

name	Type	Description
last-update-time	Parameter type: <gpon::ontlastupdatetime></gpon::ontlastupdatetime>	date of the last data dump/save.
	- the time (yyyy-mm-dd:hour:minutes:secs) - unit: UTC	This element is always shown.
ont-rx-signal-level	Parameter type: <gpon::ontopticalsignallevel> ( unknown   unsupported   <gpon::opticalsignallevel> )</gpon::opticalsignallevel></gpon::ontopticalsignallevel>	indicates the daily measurement of the ont receive optical signal level in dBm. This element is always shown.
	Possible values: - unknown: olt has not yet communicated with ont - unsupported: ont does not support the measurement of this attribute Field type <gpon::opticalsignallevel></gpon::opticalsignallevel>	
	<ul><li>ont receive / tranmit optical signal level</li><li>unit: dbm</li><li>range: [-65.53665.538]</li></ul>	
ont-tx-signal-level	Parameter type: <gpon::ontopticalsignallevel> ( unknown   unsupported   <gpon::opticalsignallevel> )</gpon::opticalsignallevel></gpon::ontopticalsignallevel>	indicates the daily measurement of the ont transmit optical signal level in dBm.  This element is always shown.
	Possible values: - unknown: olt has not yet communicated with ont - unsupported: ont does not support the measurement of this attribute Field type <gpon::opticalsignallevel> - ont receive / tranmit optical signal level - unit: dbm</gpon::opticalsignallevel>	
	- range: [-65.53665.538]	
ont-temperature	Parameter type: <gpon::onttemperature> (unknown   unsupported   <gpon::onttemperature> ) Possible values: - unknown : olt has not yet communicated with ont - unsupported : ont does not support the measurement of this attribute Field type <gpon::onttemperature> - temperature of ont optical module - unit: degree C - range: [-128128.004]</gpon::onttemperature></gpon::onttemperature></gpon::onttemperature>	indicates the daily temperature of the optics module associated with this ont.  This element is always shown.
ont-voltage	Parameter type: <gpon::ontvoltage> (unknown   unsupported   <gpon::ontvoltage> ) Possible values: - unknown : olt has not yet communicated with ont - unsupported : ont does not support the measurement of this attribute Field type <gpon::ontvoltage> - power feed voltage of ont optical module - unit: Volts - range: [-655.36655.38]</gpon::ontvoltage></gpon::ontvoltage></gpon::ontvoltage>	indicates the daily voltage of the optics module associated with this ont.  This element is always shown.
ont-laser-bias-curr	Parameter type: <gpon::ontlaserbias> (unknown   unsupported   <gpon::laserbias>) Possible values: - unknown : olt has not yet communicated with ont</gpon::laserbias></gpon::ontlaserbias>	indicates the daily bias current of the laser associated with this ont. This element is always shown.

nama	Tyna	Description
name	Type - unsupported : ont does not support the measurement of this	Description
	attribute	
	Field type <gpon::laserbias> - indicates the bias current of the laser</gpon::laserbias>	
	- unit: uA	
1, 1, 1	- range: [0131074]	
olt-rx-signal-level	Parameter type: <gpon::ontoltrxsignallevel></gpon::ontoltrxsignallevel>	indicates the daily measurement
	( invalid	of the ont receive optical signal
	unsupported	level in dBm.
	<gpon::oltrxsignallevel> )</gpon::oltrxsignallevel>	This element is always shown.
	Possible values:	
	- invalid : valid measurement is currently unattainable for	
	some reason	
	- unsupported : measurement functionality is not supported	
	Field type <gpon::oltrxsignallevel></gpon::oltrxsignallevel>	
	- measurement of the ont receive optical signal level in dBm	
	- unit: dbm	
	- range: [-500,6553.46553.5]	
olt-tx-signal-level	Parameter type: <gpon::ontolttxsignallevel></gpon::ontolttxsignallevel>	indicates the daily measurement
	( invalid	of the ont transmit optical signal
	unsupported	level in dBm.
	<gpon::olttxsignallevel> )</gpon::olttxsignallevel>	This element is always shown.
	Possible values:	
	- invalid : valid measurement is currently unattainable for	
	some reason	
	- unsupported : measurement functionality is not supported	
	Field type <gpon::olttxsignallevel></gpon::olttxsignallevel>	
	- measurement of the ont transmit optical signal level in	
	dBm	
	- unit: dbm	
1	- range: [-3030,6553.46553.5]	T I I I I I
olt-temperature	Parameter type: <gpon::ontolttemp></gpon::ontolttemp>	Iindicates the daily temperature
	(invalid	of the optics module associated
	unsupported	with this pon.
	<gpon::olttemp> ) Possible values:</gpon::olttemp>	This element is always shown.
	- invalid : valid measurement is currently unattainable for	
	some reason - unsupported : measurement functionality is not supported	
	Field type <gpon::olttemp></gpon::olttemp>	
	- temperature of the optics module	
	- unit: degree C	
	- range: [-100100,655.34655.35]	
olt-voltage	Parameter type: <gpon::ontoltpwrfeedvoltage></gpon::ontoltpwrfeedvoltage>	indicates the daily voltage of the
on voltage	( invalid	optics module associated with
	unsupported	this pon.
	<gpon::ontoltvoltage> )</gpon::ontoltvoltage>	This element is always shown.
	Possible values:	Stanta was wineys sitemin
	- invalid : valid measurement is currently unattainable for	
	some reason	
	- unsupported : measurement functionality is not supported	
	Field type <gpon::ontoltvoltage></gpon::ontoltvoltage>	
	- temperature of the optics module	
	- unit: Volts	
	- range: [020,655.34655.35]	
olt-laser-bias-curr	Parameter type: <gpon::ontoltlaserbias></gpon::ontoltlaserbias>	indicates the daily bias current of
	(invalid	the laser associated with this pon.
L	\ <del></del>	

name	Type	Description
	notsupported	This element is always shown.
	<gpon::ontoltlaserbias> )</gpon::ontoltlaserbias>	
	Possible values:	
	- invalid : valid measurement is currently unattainable for	
	some reason	
	- notsupported : measurement functionality is not supported	
	Field type <gpon::ontoltlaserbias></gpon::ontoltlaserbias>	
	- bias current of the laser	
	- unit: mA	
	- range: [0500,6553465535]	

# 92.11 ONT Power Shedding Status Command

# **Command Description**

This command shows the power shedding status information of an ont.

#### **User Level**

The command can be accessed by operators with equipment privileges.

# **Command Syntax**

The command has the following syntax:

> show equipment ont pwr-shed [ (ont-idx) ]

#### **Command Parameters**

**Table 92.11-1 "ONT Power Shedding Status Command" Resource Parameters** 

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	access identifier for the ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

# **Command Output**

Table 92.11-2 "ONT Power Shedding Status Command" Display parameters

#### **Specific Information**

name	Type	Description
ont-status	Parameter type: <gpon::ontpwrstatus></gpon::ontpwrstatus>	indication of power shedding
	( unknown	status feature of the ont.
	notsupported	This element is always shown.
	supported )	_
	Possible values:	
	- unknown : unknown (olt has not yet communicated with	
	ont	
	- notsupported : ont does not support power shedding feature	
	- supported : ont supports power shedding status feature and	
	status is known	
data-class	Parameter type: <gpon::dataclass></gpon::dataclass>	power shedding of data-class.
	( not-in-effect	This element is always shown.
	in-effect)	,
	Possible values:	
	- not-in-effect : power shedding not in effect	
	- in-effect : power shedding in effect	
voice-class	Parameter type: <gpon::voiceclass></gpon::voiceclass>	power shedding of voice-class.
	( not-in-effect	This element is always shown.
	in-effect)	
	Possible values:	
	- not-in-effect : power shedding not in effect	
	- in-effect : power shedding in effect	
video-class	Parameter type: <gpon::videoclass></gpon::videoclass>	power shedding of video-class.
rideo elass	( not-in-effect	This element is always shown.
	in-effect)	This element is always shown.
	Possible values:	
	- not-in-effect : power shedding not in effect	
	- in-effect: power shedding in effect	
dsl-class	Parameter type: <gpon::dslclass></gpon::dslclass>	power shedding of dsl-class.
usi-ciass	( not-in-effect	This element is always shown.
	in-effect )	This element is always shown.
	Possible values:	
	- not-in-effect : power shedding not in effect	
	- in-effect : power shedding in effect	
ces-class	Parameter type: <gpon::cesclass></gpon::cesclass>	power shedding of ces-class.
CES-CIASS	( not-in-effect	This element is always shown.
	in-effect	This element is always shown.
	Possible values:	
	- not-in-effect: power shedding not in effect	
	- in-effect : power shedding in effect	

# 92.12 GPON ont Olt-side on-demand Aggregate gem Current-Interval Performance Monitoring Command

# **Command Description**

This command retrieves OLT-side TC layer (GEM-based) current interval performance monitoring data for the ONT

#### **User Level**

The command can be accessed by operators with equipment privileges.

# **Command Syntax**

The command has the following syntax:

> show equipment ont tc-layer olt-side-on-demand current-interval [ (ont-idx) ]

#### **Command Parameters**

Table 92.12-1 "GPON ont Olt-side on-demand Aggregate gem Current-Interval Performance Monitoring Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	identification of ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	

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<b>Resource Identifier</b>	Type	Description
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

# **Command Output**

Table 92.12-2 "GPON ont Olt-side on-demand Aggregate gem Current-Interval Performance Monitoring Command" Display parameters

Specific Information		
name	Type	Description
lost-frags-down	Parameter type: <counter></counter>	count of lost gem fragments
	- 32 bit counter	downstream
		This element is always shown.
lost-frags-up	Parameter type: <counter></counter>	count of lost gem fragments
	- 32 bit counter	upstream
		This element is always shown.
receive-frags	Parameter type: <counter></counter>	count of recieve gem fragments
	- 32 bit counter	This element is always shown.
transmit-frags	Parameter type: <counter></counter>	count of transmitted gem
	- 32 bit counter	fragments
		This element is always shown.
receive-blocks	Parameter type: <octetcounter64></octetcounter64>	count of recieve gem blocks
	- 64 bit counter,range:[0-9223372036854775808]	This element is always shown.
transmit-blocks	Parameter type: <octetcounter64></octetcounter64>	count of transmitted gem blocks
	- 64 bit counter,range:[0-9223372036854775808]	This element is always shown.

# 92.13 GPON ont Olt-side on-demand aggregate gem Previous-Interval Performance Monitoring Command

#### **Command Description**

This command retrieves OLT-side TC layer (GEM-based) previous interval performance monitoring data for the ONT.

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont tc-layer olt-side-on-demand previous-interval [ (ont-idx) [ interval-num < Gpon::IntervalNo> ] ]

#### **Command Parameters**

Table 92.13-1 "GPON ont Olt-side on-demand aggregate gem Previous-Interval Performance Monitoring Command" Resource Parameters

<b>Resource Identifier</b>	Туре	Description
(ont-idx)	Format:	identification of ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	

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<b>Resource Identifier</b>	Type	Description
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	
interval-num	Parameter type: <gpon::intervalno></gpon::intervalno>	identifies prev 15min intvls,val 1
	Format:	as the latest intvl
	- a number of a previous interval number	
	- range: [132]	

### **Command Output**

Table 92.13-2 "GPON ont Olt-side on-demand aggregate gem Previous-Interval Performance Monitoring Command" Display parameters

Specific Information		
name	Type	Description
lost-frags-down	Parameter type: <counter></counter>	count of lost gem fragments
	- 32 bit counter	downstream
		This element is always shown.
lost-frags-up	Parameter type: <counter></counter>	count of lost gem Fragments
	- 32 bit counter	upstream
		This element is always shown.
receive-frags	Parameter type: <counter></counter>	count of recieve gem fragments
	- 32 bit counter	This element is always shown.
transmit-frags	Parameter type: <counter></counter>	count of transmitted gem
	- 32 bit counter	fragments
		This element is always shown.
receive-blocks	Parameter type: <octetcounter64></octetcounter64>	count of recieve gem blocks
	- 64 bit counter,range:[0-9223372036854775808]	This element is always shown.
transmit-blocks	Parameter type: <octetcounter64></octetcounter64>	count of transmitted gem blocks
	- 64 bit counter,range:[0-9223372036854775808]	This element is always shown.

# 92.14 GPON ont Ont-side aggregate gem Current-Interval Performance Monitoring Command

#### **Command Description**

This command retrieves ONT-side TC layer (GEM-based) current interval performance monitoring data for the ONT

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont tc-layer ont-side current-interval [ (ont-idx) ]

#### **Command Parameters**

Table 92.14-1 "GPON ont Ont-side aggregate gem Current-Interval Performance Monitoring Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	identification of ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	

<b>Resource Identifier</b>	Type	Description
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

Table 92.14-2 "GPON ont Ont-side aggregate gem Current-Interval Performance Monitoring Command" Display parameters

Specific Information		
name	Type	Description
lost-frags-down	Parameter type: <counter></counter>	count of lost gem fragments
	- 32 bit counter	downstream
		This element is always shown.
lost-frags-up	Parameter type: <counter></counter>	count of lost gem fragments
	- 32 bit counter	upstream
		This element is always shown.
receive-frags	Parameter type: <counter></counter>	count of recieve gem fragments
	- 32 bit counter	This element is always shown.
transmit-frags	Parameter type: <counter></counter>	count of transmitted gem
	- 32 bit counter	fragments
		This element is always shown.
receive-blocks	Parameter type: <octetcounter64></octetcounter64>	count of recieve gem blocks
	- 64 bit counter,range:[0-9223372036854775808]	This element is always shown.
transmit-blocks	Parameter type: <octetcounter64></octetcounter64>	count of transmitted gem blocks
	- 64 bit counter,range:[0-9223372036854775808]	This element is always shown.
bad-headers	Parameter type: <counter></counter>	count of received gem headers
	- 32 bit counter	that are bad
		This element is always shown.

# 92.15 GPON ont Ont-side Aggregate gem Previous-Interval Performance Monitoring Command

#### **Command Description**

This command retrieves ONT-side TC layer (GEM-based) previous interval performance monitoring data for the ONT

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont tc-layer ont-side previous-interval [ (ont-idx) [ interval-num < Gpon::IntervalNo> ] ]

#### **Command Parameters**

Table 92.15-1 "GPON ont Ont-side Aggregate gem Previous-Interval Performance Monitoring Command" Resource Parameters

Resource Identifier	Type	Description
(ont-idx)	Format:	identification of ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	

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Resource Identifier	Type	Description
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	
interval-num	Parameter type: <gpon::intervalno></gpon::intervalno>	identifies prev 15min intvls,val 1
	Format:	as the latest intvl
	- a number of a previous interval number	
	- range: [132]	

# **Command Output**

Table 92.15-2 "GPON ont Ont-side Aggregate gem Previous-Interval Performance Monitoring Command" Display parameters

Specific Information		
name	Type	Description
lost-frags-down	Parameter type: <counter></counter>	count of lost gem fragments
	- 32 bit counter	downstream
		This element is always shown.
lost-frags-up	Parameter type: <counter></counter>	count of lost gem fragments
	- 32 bit counter	upstream
		This element is always shown.
receive-frags	Parameter type: <counter></counter>	count of recieve gem fragments
	- 32 bit counter	This element is always shown.
transmit-frags	Parameter type: <counter></counter>	count of transmitted gem
	- 32 bit counter	fragments
		This element is always shown.
receive-blocks	Parameter type: <octetcounter64></octetcounter64>	count of recieve gem blocks
	- 64 bit counter,range:[0-9223372036854775808]	This element is always shown.
transmit-blocks	Parameter type: <octetcounter64></octetcounter64>	count of transmitted gem blocks
	- 64 bit counter,range:[0-9223372036854775808]	This element is always shown.
bad-headers	Parameter type: <counter></counter>	count of received gem headers
	- 32 bit counter	that are bad
		This element is always shown.

# 92.16 GPON ont Olt-side Always-on Aggregate gem Current-Interval Performance Monitoring Command

#### **Command Description**

This command reports OLT-side TC layer (GEM-based) current interval performance monitoring data for errored fragments

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont tc-layer olt-side current-interval [ (ont-idx) ]

#### **Command Parameters**

Table 92.16-1 "GPON ont Olt-side Always-on Aggregate gem Current-Interval Performance Monitoring Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	identification of ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	

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<b>Resource Identifier</b>	Type	Description
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

# **Command Output**

# Table 92.16-2 "GPON ont Olt-side Always-on Aggregate gem Current-Interval Performance Monitoring Command" Display parameters

Specific Information		
name	Type	Description
err-frags-up	Parameter type: <counter></counter>	a count of errored gem fragments
	- 32 bit counter	(upstream)
		This element is always shown.

# 92.17 GPON Ont Olt-side Always-on Aggregate gem Previous-Interval Performance Monitoring Command

#### **Command Description**

This command reports command reports OLT-side TC layer (GEM-based)previous interval performance monitoring data for errored fragments for ONT

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont tc-layer olt-side previous-interval [ (ont-idx) [ interval-num < Gpon::IntervalNo> ] ]

#### **Command Parameters**

Table 92.17-1 "GPON Ont Olt-side Always-on Aggregate gem Previous-Interval Performance Monitoring Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	identification of ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	

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Resource Identifier	Type	Description
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	
interval-num	Parameter type: <gpon::intervalno></gpon::intervalno>	identifies prev 15min intvls,val 1
	Format:	as the latest intvl
	- a number of a previous interval number	
	- range: [132]	

# **Command Output**

Table 92.17-2 "GPON Ont Olt-side Always-on Aggregate gem Previous-Interval Performance Monitoring Command" Display parameters

Specific Information		
name	Type	Description
err-frags-up	Parameter type: <counter></counter>	count of errored gem fragments
	- 32 bit counter	(upstream)
		This element is always shown.

# 92.18 Multicast TC-layer Current Interval Performance Data Status Command

#### **Command Description**

This command displays various statistics collected for Multicast ONT TC-layer during the current 15 minute interval of operation.

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont mcast-tc-layer ont-side current-interval [ (ont-idx) ]

#### **Command Parameters**

Table 92.18-1 "Multicast TC-layer Current Interval Performance Data Status Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	ont index
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

Table 92.18-2 "Multicast TC-layer Current Interval Performance Data Status Command" Display parameters

Specific Information		
name	Type	Description
lost-frags-dn	Parameter type: <counter></counter>	count of lost gem fragments in
	- 32 bit counter	downstream direction
		This element is always shown.
receive-frags	Parameter type: <counter></counter>	count of received gem fragments
	- 32 bit counter	This element is always shown.
receive-blocks	Parameter type: <counter></counter>	count of received gem blocks
	- 32 bit counter	This element is always shown.

# 92.19 Multicast TC-layer Previous Interval Performance Data Status Command

#### **Command Description**

This command displays various statistics collected for Multicast ONT TC-layer over the previous 8 hours of operations which is broken in to 32 completed 15 minute intervals.

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont mcast-tc-layer ont-side previous-interval [ (ont-idx) [ interval-no <Gpon::IntervalNo> ] ]

#### **Command Parameters**

Table 92.19-1 "Multicast TC-layer Previous Interval Performance Data Status Command"
Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	ont index
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	
interval-no	Parameter type: <gpon::intervalno></gpon::intervalno>	identifies prev 15min intvls,val 1

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Resource Identifier	Type	Description
	Format:	as the latest intvl
	- a number of a previous interval number	
	- range: [132]	

# **Command Output**

Table 92.19-2 "Multicast TC-layer Previous Interval Performance Data Status Command" Display parameters

Specific Information		
name	Type	Description
lost-frags-dn	Parameter type: <counter></counter>	count of lost gem fragments in
	- 32 bit counter	downstream direction
		This element is always shown.
receive-frags	Parameter type: <counter></counter>	count of received gem fragments
	- 32 bit counter	This element is always shown.
receive-blocks	Parameter type: <counter></counter>	count of received gem blocks
	- 32 bit counter	This element is always shown.

# 92.20 Fec TC-layer Current Interval Counters Command

#### **Command Description**

This command displays various statistics collected for Fec ONT TC-layer during the current 15 minute interval of operation.

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont fec-tc-layer ont-side current-interval [ (ont-idx) ]

#### **Command Parameters**

Table 92.20-1 "Fec TC-layer Current Interval Counters Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	ont index
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

Table 92.20-2 "Fec TC-layer Current Interval Counters Command" Display parameters

Specific Information		
name	Type	Description
corrected-bytes	Parameter type: <counter></counter>	A count of number of bytes that
	- 32 bit counter	were corrected by the FEC
		function
		This element is always shown.
corrected-code-words	Parameter type: <counter></counter>	A count of number of code words
	- 32 bit counter	that were corrected by the FEC
		function.
		This element is always shown.
uncorrected-words	Parameter type: <counter></counter>	A count of number of errored
	- 32 bit counter	code words that could not be
		corrected by the FEC function.
		This element is always shown.
total-code-words	Parameter type: <counter></counter>	A count of total number of
	- 32 bit counter	received code words.
		This element is always shown.
fec-seconds	Parameter type: <counter></counter>	A count seconds during which
	- 32 bit counter	there was a forward error
		correction anomaly.
		This element is always shown.

# 92.21 Olt-side FEC TC-layer Current Interval Counters Command

#### **Command Description**

This command displays various statistics collected for olt-side FEC ONT TC-layer during the current 15 minute interval of operation.

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont fec-tc-layer olt-side current-interval [ (ont-idx) ]

#### **Command Parameters**

Table 92.21-1 "Olt-side FEC TC-layer Current Interval Counters Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	ont index
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

Table 92.21-2 "Olt-side FEC TC-layer Current Interval Counters Command" Display parameters

Specific Information		
name	Type	Description
corrected-bytes	Parameter type: <counter></counter>	A count of number of bytes that
	- 32 bit counter	were corrected by the FEC
		function
		This element is always shown.
corrected-code-words	Parameter type: <counter></counter>	A count of number of code words
	- 32 bit counter	that were corrected by the FEC
		function.
		This element is always shown.
uncorrected-words	Parameter type: <counter></counter>	A count of number of errored
	- 32 bit counter	code words that could not be
		corrected by the FEC function.
		This element is always shown.
total-code-words	Parameter type: <counter></counter>	A count of total number of
	- 32 bit counter	received code words.
		This element is always shown.

### 92.22 ONT Software Control List Status Command

#### **Command Description**

This command shows an list of ONT associated with the given particular ont software control id. Index is mandatory parameter.

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont sw-ctrl-list [ (sw-ctrl-idx) ]

#### **Command Parameters**

Table 92.22-1 "ONT Software Control List Status Command" Resource Parameters

Resource Identifier	Type	Description
(sw-ctrl-idx)	Format:	ont software control table index
	- ont software control table index	
	- range: [1250]	

#### **Command Output**

Table 92.22-2 "ONT Software Control List Status Command" Display parameters

Specific Information		
name	Type	Description
ont	Parameter type: <gpon::ontindex></gpon::ontindex>	aid of associated onts.
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	This element is always shown.
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	

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name	Type	Description
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

# 92.23 GPON ont pon aggregate ethernet Current-Interval Performance Monitoring Command

#### **Command Description**

This command retrieves ONT-side ethernet current interval performance monitoring data for the ONT

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont ethernet current-interval [ (ont-idx) ]

#### **Command Parameters**

Table 92.23-1 "GPON ont pon aggregate ethernet Current-Interval Performance Monitoring Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	identification of ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	

<b>Resource Identifier</b>	Type	Description
	- the ONT identifier	

Table 92.23-2 "GPON ont pon aggregate ethernet Current-Interval Performance Monitoring Command" Display parameters

<b>Specific Information</b>	1	
name	Type	Description
eth-errors-down	Parameter type: <counter> - 32 bit counter</counter>	count of ethernet errors downstream  This element is always shown.
eth-errors-up	Parameter type: <counter> - 32 bit counter</counter>	count of ethernet errors uptream This element is always shown.
eth-frames-down	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	total count of ethernet packets downtream  This element is always shown.
eth-frames-up	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	total count of ethernet packets uptream  This element is always shown.
eth-bytes-down	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of ethernet bytes downtream  This element is always shown.
eth-bytes-up	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of ethernet bytes uptream <i>This element is always shown.</i>
eth-unicast-down	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of ethernet unicast downtream  This element is only shown in detail mode.
eth-unicast-up	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of ethernet unicast uptream This element is only shown in detail mode.
eth-multicast-down	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of ethernet multicast downtream  This element is only shown in detail mode.
eth-multicast-up	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of ethernet multicast uptream  This element is only shown in detail mode.
eth-broadcast-down	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of ethernet broadcast downtream  This element is only shown in detail mode.
eth-broadcast-up	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of ethernet broadcast uptream  This element is only shown in detail mode.
eth-rate-down	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of ethernet rate downtream <i>This element is always shown.</i>
eth-rate-up	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of ethernet rate uptream <i>This element is always shown.</i>

# 92.24 GPON ont pon Aggregate ethernet Previous-Interval Performance Monitoring Command

#### **Command Description**

This command retrieves ONT-side ethernet previous interval performance monitoring data for the ONT

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont ethernet previous-interval [ (ont-idx) [ interval-num < Gpon::IntervalNo> ] ]

#### **Command Parameters**

Table 92.24-1 "GPON ont pon Aggregate ethernet Previous-Interval Performance Monitoring Command" Resource Parameters

Resource Identifier	Type	Description
(ont-idx)	Format:	identification of ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	

Resource Identifier	Type	Description
	- the ONT identifier	
interval-num	Parameter type: <gpon::intervalno></gpon::intervalno>	identifies prev 15min intvls,val 1
	Format:	as the latest intvl
	- a number of a previous interval number	
	- range: [132]	

Table 92.24-2 "GPON ont pon Aggregate ethernet Previous-Interval Performance Monitoring Command" Display parameters

<b>Specific Information</b>		
name	Type	Description
eth-errors-down	Parameter type: <counter></counter>	count of ethernet errors
	- 32 bit counter	downstream
		This element is always shown.
eth-errors-up	Parameter type: <counter></counter>	count of ethernet errors upstream
	- 32 bit counter	This element is always shown.
eth-frames-down	Parameter type: <octetcounter64></octetcounter64>	total count of ethernet packets
	- 64 bit counter,range:[0-9223372036854775808]	downtream
		This element is always shown.
eth-frames-up	Parameter type: <octetcounter64></octetcounter64>	total count of ethernet packets
	- 64 bit counter,range:[0-9223372036854775808]	uptream
		This element is always shown.
eth-bytes-down	Parameter type: <octetcounter64></octetcounter64>	count of ethernet bytes
	- 64 bit counter,range:[0-9223372036854775808]	downtream
		This element is always shown.
eth-bytes-up	Parameter type: <octetcounter64></octetcounter64>	count of ethernet bytes uptream
	- 64 bit counter,range:[0-9223372036854775808]	This element is always shown.
eth-unicast-down	Parameter type: <octetcounter64></octetcounter64>	count of ethernet unicast
	- 64 bit counter,range:[0-9223372036854775808]	downtream
		This element is only shown in
		detail mode.
eth-unicast-up	Parameter type: <octetcounter64></octetcounter64>	count of ethernet unicast uptream
	- 64 bit counter,range:[0-9223372036854775808]	This element is only shown in
4 12 1		detail mode.
eth-multicast-down	Parameter type: <octetcounter64></octetcounter64>	count of ethernet multicast
	- 64 bit counter,range:[0-9223372036854775808]	downtream
		This element is only shown in
.4114:	Parameter to many (Octob County of A)	detail mode.  count of ethernet multicast
eth-multicast-up	Parameter type: <octetcounter64></octetcounter64>	
	- 64 bit counter,range:[0-9223372036854775808]	uptream This element is only shown in
		detail mode.
eth-broadcast-down	Parameter type: <octetcounter64></octetcounter64>	count of ethernet broadcast
ctii-bioadcast-down	- 64 bit counter,range:[0-9223372036854775808]	downtream
	- 04 bit counter, range.[0-9223372030034773000]	This element is only shown in
		detail mode.
eth-broadcast-up	Parameter type: <octetcounter64></octetcounter64>	count of ethernet broadcast
em broadcast up	- 64 bit counter,range:[0-9223372036854775808]	uptream
	04 bit counter, range. [0 7223372030034773000]	This element is only shown in
		detail mode.
eth-rate-down	Parameter type: <octetcounter64></octetcounter64>	count of ethernet rate downtream
	- 64 bit counter,range:[0-9223372036854775808]	This element is always shown.
eth-rate-up	Parameter type: <octetcounter64></octetcounter64>	count of ethernet rate uptream
<b></b>	- 64 bit counter,range:[0-9223372036854775808]	This element is always shown.
	0+ of counter, range.[0-722337203003+773000]	This element is always shown.

# 92.25 GPON ont pon aggregate ethernet total Performance Monitoring Command

#### **Command Description**

This command retrieves ONT-side ethernet total performance monitoring data for the ONT

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont ethernet total [ (ont-idx) ]

#### **Command Parameters**

Table 92.25-1 "GPON ont pon aggregate ethernet total Performance Monitoring Command" Resource Parameters

Resource Identifier	Type	Description
(ont-idx)	Format:	identification of ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

Table 92.25-2 "GPON ont pon aggregate ethernet total Performance Monitoring Command" Display parameters

Specific Information		
name	Type	Description
eth-frames-down	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	total count of ethernet packets downtream  This element is always shown.
eth-frames-up	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	total count of ethernet packets uptream  This element is always shown.
eth-bytes-down	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of ethernet bytes downtream  This element is always shown.
eth-bytes-up	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of ethernet bytes uptream <i>This element is always shown</i> .
eth-unicast-down	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of ethernet unicast downtream  This element is only shown in detail mode.
eth-unicast-up	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of ethernet unicast uptream <i>This element is only shown in detail mode.</i>
eth-multicast-down	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of ethernet multicast downtream  This element is only shown in detail mode.
eth-multicast-up	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of ethernet multicast uptream  This element is only shown in detail mode.
eth-broadcast-down	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of ethernet broadcast downtream  This element is only shown in detail mode.
eth-broadcast-up	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of ethernet broadcast uptream  This element is only shown in detail mode.

# 92.26 Olt-side Physical-layer Current Interval Counters Command

#### **Command Description**

This command displays various statistics collected at the ONT for olt-side physical-layer during the current 15 minute interval of operation.

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont phy-layer olt-side current-interval [ (ont-idx) ]

#### **Command Parameters**

Table 92.26-1 "Olt-side Physical-layer Current Interval Counters Command" Resource Parameters

Resource Identifier	Type	Description
(ont-idx)	Format:	ont index
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

Table 92.26-2 "Olt-side Physical-layer Current Interval Counters Command" Display parameters

Specific Information	1	
name	Type	Description
bip32-prot-words	Parameter type: <octetcounter64></octetcounter64>	A count of total number of BIP32
	- 64 bit counter,range:[0-9223372036854775808]	words on physical-layer
		This element is always shown.
bip32-bit-errors	Parameter type: <octetcounter64></octetcounter64>	A count of number of BIP32
	- 64 bit counter,range:[0-9223372036854775808]	errors on physical-layer
		This element is always shown.

# 92.27 XGPON ONT Ont-side tc-layer Current-Interval Performance Monitoring Command

#### **Command Description**

This command retrieves XGPON ONT-side TC layer (GEM-based) current interval performance monitoring data for the ONT

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont xg-tc-layer ont-side current-interval [ (ont-idx) ]

#### **Command Parameters**

Table 92.27-1 "XGPON ONT Ont-side tc-layer Current-Interval Performance Monitoring Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	identification of ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	

<b>Resource Identifier</b>	Type	Description
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

Table 92.27-2 "XGPON ONT Ont-side tc-layer Current-Interval Performance Monitoring Command" Display parameters

Specific Information		
name	Туре	Description
hec-errs	Parameter type: <counter></counter>	count of lost gem fragments
	- 32 bit counter	downstream
		This element is always shown.
key-errs	Parameter type: <counter></counter>	count of lost gem fragments
	- 32 bit counter	upstream
		This element is always shown.
psb-hec	Parameter type: <counter></counter>	This attribute counts HEC errors
	- 32 bit counter	in any of the fields of the
		downstream physical sync block.
1		This element is always shown.
xh-tc	Parameter type: <counter></counter>	HEC errors detected in the
	- 32 bit counter	XGTC header.
1 0		This element is always shown.
unknow-prof	Parameter type: <counter></counter>	the number of grants received
	- 32 bit counter	whose specified profile was not known to the ONU
tr voom fromo	Paramatar tuna: Countar	This element is always shown. the number of non-idle XGEM
tr-xgem-frame	Parameter type: <counter> - 32 bit counter</counter>	frames transmitted
	- 32 bit counter	This element is always shown.
frag-xgem-fram	Parameter type: <counter></counter>	counts the number of non-idle
mag-Agem-mam	- 32 bit counter	XGEM frames transmitted
	- 32 bit counter	This element is always shown.
xgem-lostword	Parameter type: <counter></counter>	counts the number of non-idle
Agein lostword	- 32 bit counter	XGEM frames transmitted
	32 of counter	This element is always shown.
		This element is always shown.

# 92.28 XGPON ONT Ont-side tc-layer Previous-Interval Performance Monitoring Command

#### **Command Description**

This command retrieves XGPON ONT-side TC layer (GEM-based) previous interval performance monitoring data for the ONT

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont xg-tc-layer ont-side previous-interval [ (ont-idx) [ interval-no < Gpon::IntervalNo> ] ]

#### **Command Parameters**

Table 92.28-1 "XGPON ONT Ont-side tc-layer Previous-Interval Performance Monitoring Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	ont index
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	

Resource Identifier	Type	Description
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	
interval-no	Parameter type: <gpon::intervalno></gpon::intervalno>	identifies prev 15min intvls,val 1
	Format:	as the latest intvl
	- a number of a previous interval number	
	- range: [132]	

Table 92.28-2 "XGPON ONT Ont-side tc-layer Previous-Interval Performance Monitoring Command" Display parameters

Specific Information		
name	Туре	Description
hec-errs	Parameter type: <counter></counter>	count of hec errors
	- 32 bit counter	This element is always shown.
key-errs	Parameter type: <counter></counter>	count of key errors
	- 32 bit counter	This element is always shown.
psb-hec	Parameter type: <counter></counter>	This attribute counts HEC errors
	- 32 bit counter	in any of the fields of the
		downstream physical sync block.
		This element is always shown.
xg-tc	Parameter type: <counter></counter>	This attribute counts HEC errors
	- 32 bit counter	detected in the XGTC header.
		This element is always shown.
unknow-prof	Parameter type: <counter></counter>	This attribute counts the number
	- 32 bit counter	of grants received whose
		specified profile was not known
		to the ONU.
		This element is always shown.
tr-xgem-frame	Parameter type: <counter></counter>	This attribute counts the number
	- 32 bit counter	of non-idle XGEM frames
		transmitted. If an SDU is
		fragmented, each fragment is an
		XGEM frame and is counted as
		such.
		This element is always shown.
frag-xgem-fram	Parameter type: <counter></counter>	This attribute counts the number
	- 32 bit counter	of XGEM frames that represent
		fragmented SDUs, as indicated
		by the LF bit =0.
		This element is always shown.
xgem-lostword	Parameter type: <counter></counter>	This attribute counts the number
	- 32 bit counter	of four-byte words lost because
		of an XGEM frame HEC error. In
		general, all XGTC payload
		following the error is lost, until
		the next PSBd event.
		This element is always shown.

# 92.29 XGPON ONT Olt-side tc-layer Current-Interval Performance Monitoring Command

#### **Command Description**

This command retrieves XGPON OLT-side TC layer (GEM-based) current interval performance monitoring data for the ONT

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont xg-tc-layer olt-side current-interval [ (ont-idx) ]

#### **Command Parameters**

Table 92.29-1 "XGPON ONT Olt-side tc-layer Current-Interval Performance Monitoring Command" Resource Parameters

<b>Resource Identifier</b>	Туре	Description
(ont-idx)	Format:	identification of ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

Table 92.29-2 "XGPON ONT Olt-side tc-layer Current-Interval Performance Monitoring Command" Display parameters

Specific Information		
name	Type	Description
hec-errs	Parameter type: <counter></counter>	count of lost gem fragments
	- 32 bit counter	downstream
		This element is always shown.
key-errs	Parameter type: <counter></counter>	count of lost gem fragments
	- 32 bit counter	upstream
		This element is always shown.
rng-time-msgs	Parameter type: <counter></counter>	count of recieve gem fragments
	- 32 bit counter	This element is always shown.

# 92.30 XGPON ONT Olt-side tc-layer Previous-Interval Performance Monitoring Command

#### **Command Description**

This command retrieves XGPON OLT-side TC layer (GEM-based) previous interval performance monitoring data for the ONT

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont xg-tc-layer olt-side previous-interval [ (ont-idx) [ interval-no < Gpon::IntervalNo> ] ]

#### **Command Parameters**

Table 92.30-1 "XGPON ONT Olt-side tc-layer Previous-Interval Performance Monitoring Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	ont index
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	

<b>Resource Identifier</b>	Type	Description
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	
interval-no	Parameter type: <gpon::intervalno></gpon::intervalno>	identifies prev 15min intvls,val 1
	Format:	as the latest intvl
	- a number of a previous interval number	
	- range: [132]	

#### **Command Output**

Table 92.30-2 "XGPON ONT Olt-side tc-layer Previous-Interval Performance Monitoring Command" Display parameters

Specific Information		
name	Type	Description
hec-errs	Parameter type: <counter></counter>	count of hec errors
	- 32 bit counter	This element is always shown.
key-errs	Parameter type: <counter></counter>	count of key errors
	- 32 bit counter	This element is always shown.
rng-time-msgs	Parameter type: <counter></counter>	A count of number of ranging
	- 32 bit counter	time messages that were sent for
		this ONT.
		This element is always shown.

### 92.31 ONT Utilization Current Interval PM Command

#### **Command Description**

This command retrieves ONT utilization current interval performance monitoring data.

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont utilization current-interval [ (ont-idx) ]

#### **Command Parameters**

Table 92.31-1 "ONT Utilization Current Interval PM Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	identification of ONT
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

#### **Command Output**

Table 92.31-2 "ONT Utilization Current Interval PM Command" Display parameters

Specific Information			
name	Туре	Description	
txucfrm	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of total unicast frames transmitted downstream on the PON or channel-pair for that ONT  This element is always shown.	
rxucfrm	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of total unicast frames transmitted upstream on the PON or channel-pair for that ONT <i>This element is always shown.</i>	
txucdropfrm	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of total unicast frames dropped on the PON or channel-pair destined for that ONT  This element is always shown.	
rxucdropfrm	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of total unicast bytes dropped on the PON or channel-pair from that ONT <i>This element is always shown.</i>	
txucbyte	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of total unicast bytes transmitted downstream on the PON or channel-pair for that ONT  This element is only shown in detail mode.	
rxucbyte	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of total unicast bytes transmitted upstream on the PON or channel-pair for that ONT <i>This element is only shown in detail mode.</i>	
txucdropbyte	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of total unicast bytes dropped on the PON or channel-pair destined for that ONT  This element is only shown in detail mode.	
rxucdropbyte	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of total unicast bytes dropped on the PON or channel-pair from that ONT This element is only shown in detail mode.	

### 92.32 ONT Utilization Previous Interval PM Command

#### **Command Description**

This command retrieves ONT utilization previous interval performance monitoring data.

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont utilization previous-interval [ (ont-idx) [ interval-num < Gpon::FiveMinIntvlNo> ] ]

#### **Command Parameters**

Table 92.32-1 "ONT Utilization Previous Interval PM Command" Resource Parameters

Resource Identifier	Type	Description
(ont-idx)	Format:	identification of ONT
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	
interval-num	Parameter type: <gpon::fiveminintvlno></gpon::fiveminintvlno>	identifies prev five-min interval
	Format:	(1 is the most recent)
	- a number of a previous five minute interval number	

<b>Resource Identifier</b>	Type	Description
	- range: [1288]	

#### **Command Output**

Table 92.32-2 "ONT Utilization Previous Interval PM Command" Display parameters

Specific Information			
name	Type	Description	
txucfrm	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of total unicast frames transmitted downstream on the PON or channel-pair for that ONT  This element is always shown.	
rxucfrm	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of total unicast frames transmitted upstream on the PON or channel-pair for that ONT <i>This element is always shown.</i>	
txucdropfrm	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of total unicast frames dropped on the PON or channel-pair destined for that ONT  This element is always shown.	
rxucdropfrm	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of total unicast bytes dropped on the PON or channel-pair from that ONT This element is always shown.	
txucbyte	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of total unicast bytes transmitted downstream on the PON or channel-pair for that ONT  This element is only shown in detail mode.	
rxucbyte	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of total unicast bytes transmitted upstream on the PON or channel-pair for that ONT <i>This element is only shown in detail mode.</i>	
txucdropbyte	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of total unicast bytes dropped on the PON or channel-pair destined for that ONT  This element is only shown in detail mode.	
rxucdropbyte	Parameter type: <octetcounter64> - 64 bit counter,range:[0-9223372036854775808]</octetcounter64>	count of total unicast bytes dropped on the PON or channel-pair from that ONT This element is only shown in detail mode.	

### 92.33 ONT Configure File Download Status Command

#### **Command Description**

This command shows individual ont fine-grain status associated with any configure file download activity.

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont cfg-download [ (ont-idx) ]

#### **Command Parameters**

Table 92.33-1 "ONT Configure File Download Status Command" Resource Parameters

<b>Resource Identifier</b>	Type	Descri	ption	
(ont-idx)	Format:	current	operational	parameters
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	for the o	ont	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>			
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>			
	<ng2::ontid>)</ng2::ontid>			
	Possible values:			
	- ng2 : ngpon2 style identification			
	Field type <eqpt::rackid></eqpt::rackid>			
	- the rack number			
	Field type <eqpt::shelfid></eqpt::shelfid>			
	- the shelf number			
	Field type <eqpt::slotid></eqpt::slotid>			
	- the LT slot number			
	Field type <eqpt::ponid></eqpt::ponid>			
	- the PON identifier			
	Field type <ng2::channelgroup></ng2::channelgroup>			
	- channel group number			
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>			
	- subchannel group number			
	Field type <eqpt::ontid></eqpt::ontid>			
	- the ONT identifier			
	Field type <ng2::ontid></ng2::ontid>			
	- the ONT identifier			

#### **Command Output**

Table 92.33-2 "ONT Configure File Download Status Command" Display parameters

<b>Specific Information</b>		
name	Type	Description
planned	Parameter type: <gpon::notplnd></gpon::notplnd>	ont is not planned.
	( no	This element is always shown.
	yes)	
	Possible values:	
	- no : ont is planned	
	- yes : ont is not planned	
inactive	Parameter type: <gpon::inact></gpon::inact>	ont is not active.
	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	actuit mode.
	- no : ont is active	
	- yes : ont is not active	
cfg1-planned-notok	Parameter type: <gpon::cfgnokplnd></gpon::cfgnokplnd>	planned configure file 1 did not
cigi-planned-notok		
	( no	equal to active.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : planned configure file is active	
	- yes : planned configure file is not active	
cfg1-dld-notok	Parameter type: <gpon::cfgnokdld></gpon::cfgnokdld>	download configure file 1 did not
	( no	equal to active / passive.
	yes )	This element is only shown in
	Possible values:	detail mode.
	- no : download configure file is in active or passive	
	- yes: download configure file is not active or passive	
cfg1-dld-inprogress	Parameter type: <gpon::dldinprog></gpon::dldinprog>	configure file 1 download activity
	( no	in progress.
	yes)	This element is always shown.
	Possible values:	
	- no : download not started	
	- yes : download started	
cfg1-ntlt-inprogress	Parameter type: <gpon::ntltinprog></gpon::ntltinprog>	configure file 1 ntlt file transfer
eigi nut improgress	(no	in progress.
	yes)	This element is always shown.
	Possible values:	This element is always shown.
	- no : ntlt file transfer not in progress	
	- yes : ntlt file transfer in progress	
ofol omai immuoanass	Parameter type: <gpon::omciinprog></gpon::omciinprog>	configure file 1 amai file transfer
cfg1-omci-inprogress		configure file 1 omci file transfer
	( no	in progress.
	yes)	This element is always shown.
	Possible values:	
	- no : omci file transfer not in progress	
	- yes : omci file transfer in progress	
cfg1-flash-inprogress	Parameter type: <gpon::ontflashinprog></gpon::ontflashinprog>	configure file 1 ont flash in
	( no	progress.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : ont write not in progress	
	- yes : ont flash in progress	
cfg1-act-inprogress	Parameter type: <gpon::ontcfgactinprog></gpon::ontcfgactinprog>	ont configure file 1 activation is
6 F6	( no	progress.
	yes)	This element is always shown.
	Possible values:	2.000 Comone to dervayo brown.
	- no : ont configure file activation not in progress	
	- yes : ont configure file activation in progress	
	- yes. one configure the activation in progress	

name	Type	Description
cfg1-ntlt-failure	Parameter type: <gpon::ntltfailure></gpon::ntltfailure>	configure file 1 ntlt file transfer
	( no	failure.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : ntlt file transfer not failed	
	- yes : ntlt file transfer failed	
cfg1-omci-failure	Parameter type: <gpon::omcifailure></gpon::omcifailure>	configure file 1 omci file transfer
	( no	failure.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : omci file transfer not failed	
	- yes : omci file transfer failed	
cfg1-ontflash-failure	Parameter type: <gpon::ontflashfail></gpon::ontflashfail>	configure file 1 ont flash write
	( no	failure.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : ont flash writing not failed	
0.1	- yes : ont flash writing failed	Ci Cil 4
ontcfg1act-failure	Parameter type: <gpon::ontcfgactfail></gpon::ontcfgactfail>	ont configure file 1 activation
	( no	failure.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : ont configure file activate not failed	
11.1 . C. C.1 . 1	- yes : ont configure file activate failed	1
dld-cfgfile1-notfound	Parameter type: <gpon::nodldfile></gpon::nodldfile>	download configure file 1 not
	(no	found.
	yes )   Possible values:	This element is only shown in detail mode.
	- no : download file found	aetan moae.
	- yes : download file not found	
no-matching-cfgfile1	Parameter type: <gpon::cfgnomatch></gpon::cfgnomatch>	entry match not found in sw ctrl
no-matering-eiginer		table.
	( no   yes )	This element is only shown in
	Possible values:	detail mode.
	- no : configure file entry found in ctrl table	devent mode.
	- yes : configure file entry not found in table	
cfgfile1-mismatch	Parameter type: <gpon::cfgfilemismatch></gpon::cfgfilemismatch>	configure file 1 mismatch.
1 8	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	
	- no : configure file match	
	- yes : configure file mismatch	
cfgfile1-dld-failure	Parameter type: <gpon::cfgdlfail></gpon::cfgdlfail>	configure file 1 download failed.
	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	
	- no : configure file download not failed	
	- yes : configure file download failed	
cfgfile1-delayactivate	Parameter type: <gpon::cfgdelayactivate></gpon::cfgdelayactivate>	configure file 1 activation
	( no	delayed.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : no delay activation pending	
C 01 4 44 4 44	- yes : delay activation pending	C CI 4 1
cfgfile1-dld-pending	Parameter type: <gpon::downloadpending></gpon::downloadpending>	configure file 1 download activity
	( no	is pending.
	yes)	This element is only shown in

name	Type	Description
	Possible values:	detail mode.
	- no : no download activity pending	
	- yes : download activity pending	
cfg2-planned-notok	Parameter type: <gpon::cfgnokplnd></gpon::cfgnokplnd>	planned configure file 2 did not
	( no	equal to active.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : planned configure file is active	
-f-2 414tal-	- yes : planned configure file is not active  Parameter type: <gpon::cfgnokdld></gpon::cfgnokdld>	danual and and such and
cfg2-dld-notok	( no	download configure file 2 did not equal to active / passive.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : download configure file is in active or passive	uctuit mouc.
	- yes : download configure file is not active or passive	
cfg2-dld-inprogress	Parameter type: <gpon::dldinprog></gpon::dldinprog>	configure file 2 download activity
	( no	in progress.
	yes)	This element is always shown.
	Possible values:	
	- no : download not started	
	- yes : download started	
cfg2-ntlt-inprogress	Parameter type: <gpon::ntltinprog></gpon::ntltinprog>	configure file 2 ntlt file transfer
	( no	in progress.
	yes)	This element is always shown.
	Possible values:	
	- no : ntlt file transfer not in progress	
-6-2: :	- yes : ntlt file transfer in progress	andiana dila 2 andi dila tuandan
cfg2-omci-inprogress	Parameter type: <gpon::omciinprog></gpon::omciinprog>	configure file 2 omci file transfer
	( no   yes )	in progress.  This element is always shown.
	Possible values:	This element is always shown.
	- no : omci file transfer not in progress	
	- yes : omci file transfer in progress	
cfg2-flash-inprogress	Parameter type: <gpon::ontflashinprog></gpon::ontflashinprog>	configure file 2 ont flash in
org_ mash mprogress	( no	progress.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : ont write not in progress	
	- yes : ont flash in progress	
cfg2-act-inprogress	Parameter type: <gpon::ontcfgactinprog></gpon::ontcfgactinprog>	ont configure file 2 activation is
	( no	progress.
	yes)	This element is always shown.
	Possible values:	
	- no : ont configure file activation not in progress	
of a? ntlt failum	- yes : ont configure file activation in progress	configure file 2 ntlt file transfer
cfg2-ntlt-failure	Parameter type: <gpon::ntltfailure></gpon::ntltfailure>	configure file 2 ntlt file transfer failure.
	( no   yes )	This element is only shown in
	Possible values:	detail mode.
	- no : ntlt file transfer not failed	actuit mode.
	- yes : ntlt file transfer failed	
cfg2-omci-failure	Parameter type: <gpon::omcifailure></gpon::omcifailure>	configure file 2 omci file transfer
5	( no	failure.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : omci file transfer not failed	
i e e e e e e e e e e e e e e e e e e e	- yes : omci file transfer failed	

name	Type	Description
cfg2-ontflash-failure	Parameter type: <gpon::ontflashfail></gpon::ontflashfail>	configure file 2 ont flash write
	( no	failure.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : ont flash writing not failed	
	- yes : ont flash writing failed	
ontcfg2act-failure	Parameter type: <gpon::ontcfgactfail></gpon::ontcfgactfail>	ont configure file 2 activation
	( no	failure.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : ont configure file activate not failed	
	- yes : ont configure file activate failed	
dld-cfgfile2-notfound	Parameter type: <gpon::nodldfile></gpon::nodldfile>	download configure file 2 not
	( no	found.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : download file found	
	- yes : download file not found	
no-matching-cfgfile2	Parameter type: <gpon::cfgnomatch></gpon::cfgnomatch>	entry match not found in sw ctrl
	( no	table.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : configure file entry found in ctrl table	
	- yes : configure file entry not found in table	
cfgfile2-mismatch	Parameter type: <gpon::cfgfilemismatch></gpon::cfgfilemismatch>	configure file 2 mismatch.
organie z mismusen	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	werth model
	- no : configure file match	
	- yes : configure file mismatch	
cfgfile2-dld-failure	Parameter type: <gpon::cfgdlfail></gpon::cfgdlfail>	configure file 2 download failed.
	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	werth model
	- no : configure file download not failed	
	- yes : configure file download failed	
cfgfile2-delayactivate	Parameter type: <gpon::cfgdelayactivate></gpon::cfgdelayactivate>	configure file 2 activation
erginez delayaetivate	( no	delayed.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : no delay activation pending	actan mode.
	- yes : delay activation pending	
cfgfile2-dld-pending	Parameter type: <gpon::downloadpending></gpon::downloadpending>	configure file 2 download activity
orginez did-pending	( no	is pending.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : no download activity pending	uciuii mouc.
	- yes : download activity pending	
	yes a download activity pending	

### 92.34 ONT Configure File Download Status Command

#### **Command Description**

This command shows individual ngpon2 ont fine-grain status associated with any configure file download activity.

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont ng2-cfg-download

### 92.35 ONT Config File Download Status Per Channel Group/Sub Channel Group Command

#### **Command Description**

show individual ont fine-grain status associated with any config file download activity.

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont ng2-cfg-download channel-group [ (channel-group) [ subchannel-group <Ng2::SubchannelGroupId>] [ ont-id <Ng2::OntNum> ] ]

#### **Command Parameters**

Table 92.35-1 "ONT Config File Download Status Per Channel Group/Sub Channel Group Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(channel-group)	Format:	channel group id
	<ng2::channelgroup></ng2::channelgroup>	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
subchannel-group	Parameter type: <ng2::subchannelgroupid></ng2::subchannelgroupid>	subchannel group id
	Format:	
	- subchannel group number	
	- range: [14]	
ont-id	Parameter type: <ng2::ontnum></ng2::ontnum>	ont id
	Format:	
	- ont id in a subchannel group	
	- range: [1256]	

#### **Command Output**

Table 92.35-2 "ONT Config File Download Status Per Channel Group/Sub Channel Group Command" Display parameters

Specific Information		
name	Type	Description
ont	Parameter type: <gpon::ontindex></gpon::ontindex>	ont ifindex
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::< td=""><td>:SlotId&gt; / This element is always shown.</td></eqpt::<></eqpt::shelfid></eqpt::rackid>	:SlotId> / This element is always shown.
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	·

name	Type	Description
name	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	Description
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid> - the ONT identifier</eqpt::ontid>	
	Field type <ng2::ontid></ng2::ontid>	
planned	- the ONT identifier  Parameter type: <gpon::notplnd></gpon::notplnd>	ont is not planned
planned	· · · · · · · · · · · · · · · · · · ·	ont is not planned.
	(no	This element is always shown.
	yes ) Possible values:	
	- no : ont is planned	
inactiva	- yes : ont is not planned Parameter type: <gpon::inact></gpon::inact>	ont is not active.
inactive	* * *	
	( no   yes )	This element is only shown in detail mode.
	Possible values:	aetati mode.
	- no : ont is active	
	- yes: ont is not active	
cfg1-planned-notok	Parameter type: <gpon::cfgnokplnd></gpon::cfgnokplnd>	planned configure file 1 did not
erg 1-pranned-notok		equal to active.
	( no   yes )	This element is only shown in
	Possible values:	detail mode.
	- no : planned configure file is active	aeiaii moae.
	- yes : planned configure file is not active	
cfg1-dld-notok	Parameter type: <gpon::cfgnokdld></gpon::cfgnokdld>	download configure file 1 did not
erg 1-did-flotok	( no	equal to active / passive.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : download configure file is in active or passive	actuit mode.
	- yes: download configure file is not active or passive	
cfg1-dld-inprogress	Parameter type: <gpon::dldinprog></gpon::dldinprog>	configure file 1 download activity
ergr did improgress	( no	in progress.
	yes)	This element is always shown.
	Possible values:	This ciencia is aiways shown.
	- no : download not started	
	- yes : download started	
cfg1-ntlt-inprogress	Parameter type: <gpon::ntltinprog></gpon::ntltinprog>	configure file 1 ntlt file transfer
orgi mit improgress	( no	in progress.
	yes)	This element is always shown.
	Possible values:	2.115 Comoto to currays shown.
	- no : ntlt file transfer not in progress	
	- yes : ntlt file transfer in progress	
cfg1-omci-inprogress	Parameter type: <gpon::omciinprog></gpon::omciinprog>	configure file 1 omci file transfer
omer mprogress	- see type. Topomomerm rog.	

name	Type	Description
	( no	in progress.
	yes)	This element is always shown.
	Possible values:	
	- no : omci file transfer not in progress	
	- yes : omci file transfer in progress	
cfg1-flash-inprogress	Parameter type: <gpon::ontflashinprog></gpon::ontflashinprog>	configure file 1 ont flash in
	( no	progress.
	yes )	This element is only shown in
	Possible values:	detail mode.
	- no : ont write not in progress	
	- yes : ont flash in progress	
cfg1-act-inprogress	Parameter type: <gpon::ontcfgactinprog></gpon::ontcfgactinprog>	ont configure file 1 activation is
	( no	progress.
	yes)	This element is always shown.
	Possible values:	
	- no : ont configure file activation not in progress	
	- yes : ont configure file activation in progress	
cfg1-ntlt-failure	Parameter type: <gpon::ntltfailure></gpon::ntltfailure>	configure file 1 ntlt file transfer
	( no	failure.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : ntlt file transfer not failed	
	- yes : ntlt file transfer failed	
cfg1-omci-failure	Parameter type: <gpon::omcifailure></gpon::omcifailure>	configure file 1 omci file transfer
	( no	failure.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : omci file transfer not failed	
6.1	- yes : omci file transfer failed	C' C'1 1 C'1 1
cfg1-ontflash-failure	Parameter type: <gpon::ontflashfail></gpon::ontflashfail>	configure file 1 ont flash write
	( no	failure.
	yes)	This element is only shown in detail mode.
	Possible values:	аетан тоае.
	- no : ont flash writing not failed	
	- yes : ont flash writing failed	ant configure file 1 actions on
ontcfg1act-failure	Parameter type: <gpon::ontcfgactfail></gpon::ontcfgactfail>	ont configure file 1 activation failure.
	(no	This element is only shown in
	yes )   Possible values:	detail mode.
	- no : ont configure file activate not failed	aetati mode.
	- yes : ont configure file activate failed	
dld-cfgfile1-notfound	Parameter type: <gpon::nodldfile></gpon::nodldfile>	download configure file 1 not
did-eiginer-notiound	( no	found.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : download file found	actuit mode.
	- yes : download file not found	
no-matching-cfgfile1	Parameter type: <gpon::cfgnomatch></gpon::cfgnomatch>	entry match not found in sw ctrl
	( no	table.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : configure file entry found in ctrl table	
	- yes : configure file entry not found in table	
cfgfile1-mismatch	Parameter type: <gpon::cfgfilemismatch></gpon::cfgfilemismatch>	configure file 1 mismatch.
	(no	This element is only shown in
	yes)	detail mode.
	Possible values:	
L		

name	Type	Description
	- no : configure file match	
	- yes : configure file mismatch	
cfgfile1-dld-failure	Parameter type: <gpon::cfgdlfail></gpon::cfgdlfail>	configure file 1 download failed.
	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	
	- no : configure file download not failed	
	- yes : configure file download failed	
cfgfile1-delayactivate	Parameter type: <gpon::cfgdelayactivate></gpon::cfgdelayactivate>	configure file 1 activation
	( no	delayed.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : no delay activation pending	
	- yes : delay activation pending	
cfgfile1-dld-pending	Parameter type: <gpon::downloadpending></gpon::downloadpending>	configure file 1 download activity
	( no	is pending.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : no download activity pending	
C O 1 1 1 1 1	- yes : download activity pending	
cfg2-planned-notok	Parameter type: <gpon::cfgnokplnd></gpon::cfgnokplnd>	planned configure file 2 did not
	(no	equal to active.
	yes)	This element is only shown in
	Possible values:	detail mode.
	<ul><li>- no : planned configure file is active</li><li>- yes : planned configure file is not active</li></ul>	
cfg2-dld-notok	Parameter type: <gpon::cfgnokdld></gpon::cfgnokdld>	download configure file 2 did not
cigz-did-flotok	( no	equal to active / passive.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : download configure file is in active or passive	detait mode.
	- yes : download configure file is not active or passive	
cfg2-dld-inprogress	Parameter type: <gpon::dldinprog></gpon::dldinprog>	configure file 2 download activity
ergz did inprogress	( no	in progress.
	yes)	This element is always shown.
	Possible values:	This evenient is diritally sine in a
	- no : download not started	
	- yes : download started	
cfg2-ntlt-inprogress	Parameter type: <gpon::ntltinprog></gpon::ntltinprog>	configure file 2 ntlt file transfer
6 1 F 18	( no	in progress.
	(yes)	This element is always shown.
	Possible values:	, and the second
	- no : ntlt file transfer not in progress	
	- yes : ntlt file transfer in progress	
cfg2-omci-inprogress	Parameter type: <gpon::omciinprog></gpon::omciinprog>	configure file 2 omci file transfer
	( no	in progress.
	yes)	This element is always shown.
	Possible values:	
	- no : omci file transfer not in progress	
	- yes : omci file transfer in progress	
cfg2-flash-inprogress	Parameter type: <gpon::ontflashinprog></gpon::ontflashinprog>	configure file 2 ont flash in
	( no	progress.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : ont write not in progress	
	- yes : ont flash in progress	
cfg2-act-inprogress	Parameter type: <gpon::ontcfgactinprog></gpon::ontcfgactinprog>	ont configure file 2 activation is

name	Туре	Description
	( no	progress.
	yes )	This element is always shown.
	Possible values:	
	- no : ont configure file activation not in progress	
	- yes : ont configure file activation in progress	
cfg2-ntlt-failure	Parameter type: <gpon::ntltfailure></gpon::ntltfailure>	configure file 2 ntlt file transfer
	( no	failure.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : ntlt file transfer not failed	
	- yes : ntlt file transfer failed	
cfg2-omci-failure	Parameter type: <gpon::omcifailure></gpon::omcifailure>	configure file 2 omci file transfer
	( no	failure.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : omci file transfer not failed	
	- yes : omci file transfer failed	
cfg2-ontflash-failure	Parameter type: <gpon::ontflashfail></gpon::ontflashfail>	configure file 2 ont flash write
	( no	failure.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : ont flash writing not failed	
	- yes : ont flash writing failed	
ontcfg2act-failure	Parameter type: <gpon::ontcfgactfail></gpon::ontcfgactfail>	ont configure file 2 activation
	( no	failure.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : ont configure file activate not failed	
11.1 6 61.2 46 1	- yes : ont configure file activate failed	1 1 1 6 61 2
dld-cfgfile2-notfound	Parameter type: <gpon::nodldfile></gpon::nodldfile>	download configure file 2 not
	( no	found.
	yes )   Possible values:	This element is only shown in detail mode.
	- no : download file found	aetati moae.
no-matching-cfgfile2	- yes : download file not found  Parameter type: <gpon::cfgnomatch></gpon::cfgnomatch>	entry match not found in sw ctrl
no-matching-cigine2		table.
	( no   yes )	This element is only shown in
	Possible values:	detail mode.
	- no : configure file entry found in ctrl table	aetan moae.
	- yes : configure file entry not found in table	
cfgfile2-mismatch	Parameter type: <gpon::cfgfilemismatch></gpon::cfgfilemismatch>	configure file 2 mismatch.
erginez mismaten	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	actuit mode.
	- no : configure file match	
	- yes : configure file mismatch	
cfgfile2-dld-failure	Parameter type: <gpon::cfgdlfail></gpon::cfgdlfail>	configure file 2 download failed.
2.511102 010 1011010	( no	This element is only shown in
	yes)	detail mode.
	Possible values:	
	- no : configure file download not failed	
	- yes : configure file download failed	
cfgfile2-delayactivate	Parameter type: <gpon::cfgdelayactivate></gpon::cfgdelayactivate>	configure file 2 activation
<i>G</i>	(no	delayed.
	yes)	This element is only shown in
	Possible values:	detail mode.
		worth model

name	Type	Description
	- no : no delay activation pending	
	- yes : delay activation pending	
cfgfile2-dld-pending	Parameter type: <gpon::downloadpending></gpon::downloadpending>	configure file 2 download activity
	( no	is pending.
	yes)	This element is only shown in
	Possible values:	detail mode.
	- no : no download activity pending	
	- yes : download activity pending	

#### 92.36 ONT Index Lookup Command

#### **Command Description**

This command is to look for ONT AID based on the given search string.

Usage: show equipment ont index {search mode : search string}

search mode is the type of search string, only support "sn" at current

search string is used to look for ONT AID, only support serial number at current

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont index [ (ont-search-string) ]

#### **Command Parameters**

Table 92.36-1 "ONT Index Lookup Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-search-string)	Format:	gpon ont search string:search
_	sn: <gpon::vendorid>: <gpon::serialno></gpon::serialno></gpon::vendorid>	mode and search string
	Possible values:	
	- sn : search ONT AID by SN	
	Field type <gpon::vendorid></gpon::vendorid>	
	- vendor id - 4 ASCII characters	
	- range: [a-zA-Z0-9]	
	- length: 4	
	Field type <gpon::serialno></gpon::serialno>	
	- serial num - 8 ASCII characters	
	- range: [a-fA-F0-9]	
	- length: 8	

#### **Command Output**

Table 92.36-2 "ONT Index Lookup Command" Display parameters

Specific Information			
name	Type	Description	
ont-idx	Parameter type: <gpon::ontindex></gpon::ontindex>	identification of ont	
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid< td=""><td>&gt; / This element is always shown.</td></eqpt::slotid<></eqpt::shelfid></eqpt::rackid>	> / This element is always shown.	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>		
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup< td=""><td>o&gt; /</td></ng2::subchannelgroup<></ng2::channelgroup>	o> /	
	<ng2::ontid>)</ng2::ontid>		

name	Type	Description
	Possible values:	_
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

#### 92.37 ONT Gis Info Command

#### **Command Description**

This command reports the GIS info of the ONT.

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont gis [ (ont-idx) ]

#### **Command Parameters**

Table 92.37-1 "ONT Gis Info Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	access identifier for the ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

#### **Command Output**

Table 92.37-2 "ONT Gis Info Command" Display parameters

#### **Specific Information**

name	Type	Description
longitude	Parameter type: <gpon::oltlongitude></gpon::oltlongitude>	indicates the gis longitude of the
	- longitude of the GIS info	ont.
	- unit: degree	This element is always shown.
	- range: [-180.00000180.00000]	
latitude	Parameter type: <gpon::oltlatitude></gpon::oltlatitude>	indicates the gis latitude of the
	- latitude of the GIS info	ont.
	- unit: degree	This element is always shown.
	- range: [-90.0000090.00000]	
elevation	Parameter type: <gpon::oltelevation></gpon::oltelevation>	indicates the gis latitude of the
	- latitude of the GIS info	ont.
	- unit: meter	This element is always shown.
	- range: [-3276832767]	
horizontal-error	Parameter type: <gpon::olthrzerr></gpon::olthrzerr>	indicates the gis horizontal error
	- horizontal error of the GIS info	of the ont.
	- unit: meter	This element is always shown.
	- range: [065535]	
altitude-error	Parameter type: <gpon::oltalterr></gpon::oltalterr>	indicates the gis altitude error of
	- altitude error of the GIS info	the ont.
	- unit: meter	This element is always shown.
	- range: [065535]	
area-code	Parameter type: <gpon::oltareacode></gpon::oltareacode>	indicates the gis area code of the
	- altitude error of the GIS info - 12 Decimal charaters	ont.
	- length: 12	This element is always shown.
timestamp	Parameter type: <gpon::olttimestamp></gpon::olttimestamp>	indicates the gis timestamp of the
_	- the seconds eclapsed since 1970-01-01:00:00:00	ont.
	- unit: Seconds	This element is always shown.
	- range: [04294967295]	
gis-digest	Parameter type: <gpon::oltgisdigest></gpon::oltgisdigest>	indicates the gis digest of the ont.
-	- digest of the GIS info - 16 hex characters	This element is always shown.
	- length: 16	

### 92.38 XGPON ONT Olt-side Performance

#### **Monitoring Command**

#### **Command Description**

This command retrieves XGPON ont-side current-interval performance monitoring data for the ONT

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont xg-mgmt ont-side current-interval [ (ont-idx) ]

#### **Command Parameters**

Table 92.38-1 "XGPON ONT Olt-side Performance Monitoring Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	ont index
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

#### **Command Output**

Table 92.38-2 "XGPON ONT Olt-side Performance Monitoring Command" Display parameters

Specific Information		
name	Type	Description
ploammic-errmsgs	Parameter type: <counter></counter>	Count of MIC errors detected in
	- 32 bit counter	downstream PLOAM messages
		This element is only shown in
		detail mode.
downsploam-msgs	Parameter type: <counter></counter>	count of received gem fragments
	- 32 bit counter	This element is always shown.
profrece-msgs	Parameter type: <counter></counter>	count of received gem blocks
	- 32 bit counter	This element is always shown.
rangtime-recemsgs	Parameter type: <counter></counter>	Count of downstream
	- 32 bit counter	ranging_time messages received
		This element is only shown in
		detail mode.
deactonuid-msgs	Parameter type: <counter></counter>	Count of downstream
	- 32 bit counter	deactivate_ONU-ID messages
		received
		This element is only shown in
	2	detail mode.
disablesn-msgs	Parameter type: <counter></counter>	Count of downstream
	- 32 bit counter	disable_serial_number messages
		received
		This element is only shown in
	Province of the Control of the Contr	detail mode.
req-registration	Parameter type: <counter> - 32 bit counter</counter>	Count of downstream
	- 32 bit counter	request_registration messages
		received
		This element is only shown in detail mode.
allocid-msgs	Parameter type: <counter></counter>	Count of downstream
anociu-msgs	- 32 bit counter	assign_alloc-ID messages
	- 32 bit counter	received
		This element is only shown in
		detail mode.
keycontrol-msgs	Parameter type: <counter></counter>	Count of downstream
ney control maga	- 32 bit counter	key_control messages received
		This element is only shown in
		detail mode.
sleepallow-msgs	Parameter type: <counter></counter>	Count of downstream
	- 32 bit counter	sleep_allow messages received
		This element is only shown in
		detail mode.
baseomci-msgs	Parameter type: <counter></counter>	Count of downstream baseline
	- 32 bit counter	messages received
		This element is only shown in
		detail mode.
extendomci-msgs	Parameter type: <counter></counter>	Count of downstream extended
	- 32 bit counter	messages received
		This element is only shown in
		detail mode.
assonuid-msgs	Parameter type: <counter></counter>	Count of downstream
	- 32 bit counter	assign_ONU-ID messages
		received
		This element is only shown in
		detail mode.
omcimic-errmsgs	Parameter type: <counter></counter>	Count of MIC errors detected in

name	Type	Description
	- 32 bit counter	downstream OMCI messages
		This element is only shown in
		detail mode.
usploam-msgs	Parameter type: <counter></counter>	Count of upstream PLOAM
	- 32 bit counter	messages transmitted, excluding
		acknowledge messages
		This element is always shown.
serinumonu-msgs	Parameter type: <counter></counter>	Count of upstream
	- 32 bit counter	Serial_number_ONU PLOAM
		messages transmitted
		This element is always shown.
registr-msgs	Parameter type: <counter></counter>	Count of upstream registration
	- 32 bit counter	PLOAM messages transmitted
		This element is always shown.
keyreport-msgs	Parameter type: <counter></counter>	Count of upstream key_report
	- 32 bit counter	PLOAM messages transmitted
		This element is always shown.
acknow-msgs	Parameter type: <counter></counter>	Count of upstream acknowledge
	- 32 bit counter	PLOAM messages transmitted
		This element is only shown in
		detail mode.
sleepreq-msgs	Parameter type: <counter></counter>	Count of upstream sleep_request
	- 32 bit counter	PLOAM messages transmitted
		This element is only shown in
		detail mode.

### 92.39 XGPON ONT Previous-Interval Performance Monitoring Command

#### **Command Description**

This command retrieves XGPON ONT previous interval performance monitoring data for the ONT

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont xg-mgmt ont-side previous-interval [ (ont-idx) [ interval-no <Gpon::IntervalNo> ] ]

#### **Command Parameters**

Table 92.39-1 "XGPON ONT Previous-Interval Performance Monitoring Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	ont index
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	
interval-no	Parameter type: <gpon::intervalno></gpon::intervalno>	identifies prev 15min intvls,val 1
	Format:	as the latest intvl

<b>Resource Identifier</b>	Type	Description
	- a number of a previous interval number	
	- range: [132]	

#### **Command Output**

Table 92.39-2 "XGPON ONT Previous-Interval Performance Monitoring Command" Display parameters

Specific Information		
name	Туре	Description
ploammic-errmsgs	Parameter type: <counter> - 32 bit counter</counter>	Count of MIC errors detected in downstream PLOAM messages  This element is only shown in detail mode.
downsploam-msgs	Parameter type: <counter> - 32 bit counter</counter>	Count of downstream PLOAM messages This element is always shown.
profrece-msgs	Parameter type: <counter> - 32 bit counter</counter>	Count of downstream profile messages received This element is always shown.
rangtime-recemsgs	Parameter type: <counter> - 32 bit counter</counter>	Count of downstream ranging_time messages received This element is only shown in detail mode.
deactonuid-msgs	Parameter type: <counter> - 32 bit counter</counter>	Count of downstream deactivate_ONU-ID messages received  This element is only shown in detail mode.
disablesn-msgs	Parameter type: <counter> - 32 bit counter</counter>	Count of downstream disable_serial_number messages received  This element is only shown in detail mode.
req-registration	Parameter type: <counter> - 32 bit counter</counter>	Count of downstream request_registration messages received  This element is only shown in detail mode.
allocid-msgs	Parameter type: <counter> - 32 bit counter</counter>	Count of downstream assign_alloc-ID messages received  This element is only shown in detail mode.
keycontrol-msgs	Parameter type: <counter> - 32 bit counter</counter>	Count of downstream key_control messages received This element is only shown in detail mode.
sleepallow-msgs	Parameter type: <counter> - 32 bit counter</counter>	Count of downstream sleep_allow messages received This element is only shown in detail mode.
baseomci-msgs	Parameter type: <counter> - 32 bit counter</counter>	Count of downstream baseline messages received  This element is only shown in detail mode.
extendomci-msgs	Parameter type: <counter></counter>	Count of downstream extended

name	Type	Description
	- 32 bit counter	messages received
		This element is only shown in
		detail mode.
assonuid-msgs	Parameter type: <counter></counter>	Count of downstream
	- 32 bit counter	assign_ONU-ID messages
		received
		This element is only shown in
		detail mode.
omcimic-errmsgs	Parameter type: <counter></counter>	Count of MIC errors detected in
	- 32 bit counter	downstream OMCI messages
		This element is only shown in
		detail mode.
usploam-msgs	Parameter type: <counter></counter>	Count of upstream PLOAM
	- 32 bit counter	messages transmitted, excluding
		acknowledge messages
		This element is always shown.
serinumonu-msgs	Parameter type: <counter></counter>	Count of upstream
	- 32 bit counter	Serial_number_ONU PLOAM
		messages transmitted
		This element is always shown.
registr-msgs	Parameter type: <counter></counter>	Count of upstream registration
	- 32 bit counter	PLOAM messages transmitted
1	D C	This element is always shown.
keyreport-msgs	Parameter type: <counter></counter>	Count of upstream key_report
	- 32 bit counter	PLOAM messages transmitted
1	December 1	This element is always shown.
acknow-msgs	Parameter type: <counter> - 32 bit counter</counter>	Count of upstream acknowledge
	- 32 bit counter	PLOAM messages transmitted
		This element is only shown in detail mode.
alaanraa maga	Doromotor type: «Counter»	
sleepreq-msgs	Parameter type: <counter> - 32 bit counter</counter>	Count of upstream sleep_request PLOAM messages transmitted
	- 32 off counter	This element is only shown in
		detail mode.
		аенин тоае.

## 92.40 GPON ONT Memory Usage Current-Interval Performance Monitoring Command

#### **Command Description**

This command retrieves ONT-side memory usage current interval performance monitoring data for the ONT

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont memory-usage current-interval [ (ont-idx) ]

#### **Command Parameters**

Table 92.40-1 "GPON ONT Memory Usage Current-Interval Performance Monitoring Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	identification of ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	!

#### **Command Output**

Table 92.40-2 "GPON ONT Memory Usage Current-Interval Performance Monitoring Command" Display parameters

Specific Information		
name	Type	Description
total(kbytes)	Parameter type: <gpon::ontmemory> ( unknown</gpon::ontmemory>	the size of the total memory on this ONT
	<pre> <gpon::ontmemory>)</gpon::ontmemory></pre>	This element is always shown.
	Possible values:	
	- unknown : olt has not yet communicated with ont or ont	
	doesn't support	
	Field type <gpon::ontmemory></gpon::ontmemory>	
	- ont memory usage	
	- range: [04294967295]	
used(kbytes)	Parameter type: <gpon::ontmemory></gpon::ontmemory>	the size of the memory actually in
	( unknown	use
	<gpon::ontmemory> )</gpon::ontmemory>	This element is always shown.
	Possible values:	
	- unknown : olt has not yet communicated with ont or ont	
	doesn't support	
	Field type <gpon::ontmemory></gpon::ontmemory>	
	- ont memory usage	
	- range: [04294967295]	
used-portion(%)	Parameter type: <gpon::ontmemoryusage></gpon::ontmemoryusage>	the size of the memory actually in
	( unknown	use, expressed as a portion of the
	< Gpon::OntMemoryUsage> )	total memory
	Possible values:	This element is always shown.
	- unknown : olt has not yet communicated with ont or ont	
	doesn't support	
	Field type <gpon::ontmemoryusage></gpon::ontmemoryusage>	
	- the size of the memory actually in use, expressed as a	
	portion of the total memory	
	- range: [04294967295]	

## 92.41 GPON ONT Memory Usage Previous-Interval Performance Monitoring Command

#### **Command Description**

This command retrieves ONT-side memory usage previous interval performance monitoring data for the ONT

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont memory-usage previous-interval [ (ont-idx) [ interval-num <Gpon::DayIntervalNo> ] ]

#### **Command Parameters**

Table 92.41-1 "GPON ONT Memory Usage Previous-Interval Performance Monitoring Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	identification of ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid> )</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	
interval-num	Parameter type: <gpon::dayintervalno></gpon::dayintervalno>	identifies prev 24-hour intvls,val
	Format:	1 as the latest intvl

<b>Resource Identifier</b>	Type	Description
	- a number of a previous interval number	
	- range: [17]	

#### **Command Output**

Table 92.41-2 "GPON ONT Memory Usage Previous-Interval Performance Monitoring Command" Display parameters

Specific Information		
name	Туре	Description
total(kbytes)	Parameter type: <gpon::ontmemory> (unknown   <gpon::ontmemory>) Possible values: - unknown : olt has not yet communicated with ont or ont doesn't support Field type <gpon::ontmemory> - ont memory usage - range: [04294967295]</gpon::ontmemory></gpon::ontmemory></gpon::ontmemory>	the size of the total memory on this ONT This element is always shown.
used(kbytes)	Parameter type: <gpon::ontmemory> (unknown   <gpon::ontmemory>) Possible values: - unknown : olt has not yet communicated with ont or ont doesn't support Field type <gpon::ontmemory> - ont memory usage - range: [04294967295]</gpon::ontmemory></gpon::ontmemory></gpon::ontmemory>	the size of the memory actually in use This element is always shown.
used-portion(%)	Parameter type: <gpon::ontmemoryusage> (unknown   <gpon::ontmemoryusage>) Possible values: - unknown : olt has not yet communicated with ont or ont doesn't support Field type <gpon::ontmemoryusage> - the size of the memory actually in use, expressed as a portion of the total memory - range: [04294967295]</gpon::ontmemoryusage></gpon::ontmemoryusage></gpon::ontmemoryusage>	the size of the memory actually in use, expressed as a portion of the total memory <i>This element is always shown.</i>

# 92.42 GPON ONT CPU Load Current-Interval Performance Monitoring Command

#### **Command Description**

This command retrieves ONT-side cpu load current interval performance monitoring data for the ONT

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont cpu-load current-interval [ (ont-idx) ]

#### **Command Parameters**

Table 92.42-1 "GPON ONT CPU Load Current-Interval Performance Monitoring Command" Resource Parameters

Resource Identifier	Type	Description
(ont-idx)	Format:	identification of ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	

#### **Command Output**

Table 92.42-2 "GPON ONT CPU Load Current-Interval Performance Monitoring Command" Display parameters

Specific Information		
name	Type	Description
average(%)	Parameter type: <gpon::ontcpuload></gpon::ontcpuload>	average CPU load for the
	( unknown	measurement period, expressed
	<gpon::ontcpuload> )</gpon::ontcpuload>	in percentage
	Possible values:	This element is always shown.
	- unknown : olt has not yet communicated with ont or ont	
	doesn't support	
	Field type <gpon::ontcpuload></gpon::ontcpuload>	
	- cpu load average of ont during a 15-min interval, expressed	
	as a percentage	
	- range: [04294967295]	

# 92.43 GPON ONT CPU Load previous-Interval Performance Monitoring Command

#### **Command Description**

This command retrieves ONT-side cpu load previous interval performance monitoring data for the ONT

#### **User Level**

The command can be accessed by operators with equipment privileges.

#### **Command Syntax**

The command has the following syntax:

> show equipment ont cpu-load previous-interval [ (ont-idx) [ interval-num < Gpon::IntervalNo> ] ]

#### **Command Parameters**

Table 92.43-1 "GPON ONT CPU Load previous-Interval Performance Monitoring Command" Resource Parameters

<b>Resource Identifier</b>	Type	Description
(ont-idx)	Format:	identification of ont
	( <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid></eqpt::ontid></eqpt::ponid>	
	ng2 : <ng2::channelgroup> / <ng2::subchannelgroup> /</ng2::subchannelgroup></ng2::channelgroup>	
	<ng2::ontid>)</ng2::ontid>	
	Possible values:	
	- ng2 : ngpon2 style identification	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <ng2::channelgroup></ng2::channelgroup>	
	- channel group number	
	Field type <ng2::subchannelgroup></ng2::subchannelgroup>	
	- subchannel group number	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <ng2::ontid></ng2::ontid>	
	- the ONT identifier	
interval-num	Parameter type: <gpon::intervalno></gpon::intervalno>	identifies prev 15-minute
	Format:	intvls,val 1 as the latest intvl

<b>Resource Identifier</b>	Type	Description
	- a number of a previous interval number	
	- range: [132]	

#### **Command Output**

Table 92.43-2 "GPON ONT CPU Load previous-Interval Performance Monitoring Command" Display parameters

Specific Information		
name	Type	Description
average(%)	Parameter type: <gpon::ontcpuload></gpon::ontcpuload>	average CPU load for the
	( unknown	measurement period, expressed
	<gpon::ontcpuload> )</gpon::ontcpuload>	in percentage
	Possible values:	This element is always shown.
	- unknown : olt has not yet communicated with ont or ont	
	doesn't support	
	Field type <gpon::ontcpuload></gpon::ontcpuload>	
	- cpu load average of ont during a 15-min interval, expressed	
	as a percentage	
	- range: [04294967295]	