

# 215- ONT Management Command

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## 215.1 ONT Management Command Tree

### Description

This chapter gives an overview of nodes that are handled by "ONT Management Command".

### Command Tree

```
----admin
  ----equipment
    ----ont
      ----interface
        - (index)
        - (self-test)
        - reboot
        - activate-chpair
        - chpair-role-exch
        - optitrans-disable-time
      ----slot
        - (ont-slot-idx)
        - (self-test)
      ----sw-ctrl
        - (sw-ctrl-idx)
        - (revert-sw-ver)
      ----sw-version
        - delete-version
      ----data-store
        - (index)
        - (force)
      ----sernum
        - (sernum)
        - reboot
```

## 215.2 ONT Interface Management Command

### Command Description

*This command initiate the self-test run on ont. When the test is finished, a pass/fail result is reported.*

*Also, this command can be used to set the target channel-pair manually for ngpon2 ont*

### User Level

*The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.*

### Command Syntax

The command has the following syntax:

```
> admin equipment ont interface (index) [ (self-test) ] [ reboot <Gpon::OntRestart> ] [ activate-chpair
<Ng2::ChannelPairIndexOrZero> ] [ chpair-role-exch <Ng2::ChPairRoleExch> ] [ optitrans-disable-time
<Gpon::DisOpticalTransTime> ]
```

### Command Parameters

**Table 215.2-1 "ONT Interface Management Command" Resource Parameters**

Resource Identifier	Type	Description
(index)	Format: ( <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId>   ng2 : <Ng2::ChannelGroup> / <Ng2::SubchannelGroup> / <Ng2::OntId> ) Possible values: - ng2 : ngpon2 style identification Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::SlotId> - the LT slot number Field type <Eqpt::PonId> - the PON identifier Field type <Ng2::ChannelGroup> - channel group number Field type <Ng2::SubchannelGroup> - subchannel group number Field type <Eqpt::OntId> - the ONT identifier Field type <Ng2::OntId> - the ONT identifier	identification of ont

**Table 215.2-2 "ONT Interface Management Command" Command Parameters**

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Parameter	Type	Description
(self-test)	Format: self-test Possible values: - self-test : initiate self-test	<i>optional parameter</i> runs the self-test on the ont
reboot	Parameter type: <Gpon::OntRestart> Format: ( with-active-image   via-ploam ) Possible values: - with-active-image : reboot with currently active software image - via-ploam : reboot via ploam	<i>optional parameter</i> reboot the ont
activate-chpair	Parameter type: <Ng2::ChannelPairIndexOrZero> Format: <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::ChannelPairId> Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::SlotId> - the LT slot number Field type <Eqpt::ChannelPairId> - the channel pair identifier	<i>optional parameter</i> channel-pair on which ngpon2 ont shall carry service
chpair-role-exch	Parameter type: <Ng2::ChPairRoleExch> Format: ( no-action   pref-with-altpref   pref-with-prot ) Possible values: - no-action : no action - pref-with-altpref : exchange roles of pref-channel-pair with alt-pref-ch-pair - pref-with-prot : exchange roles of pref-channel-pair with prot-channel-pair	<i>optional parameter</i> exchange roles between two channel-pairs
optitrans-disable-time	Parameter type: <Gpon::DisOpticalTransTime> Format: ( permanently   <Gpon::DisOpticalTransTime> ) Possible values: - permanently : permanently : turn off optical transceiver forever Field type <Gpon::DisOpticalTransTime> - the specified time for OLT to command ONU to disable its own optical transceiver - unit: sec - range: [1...65535]	<i>optional parameter</i> OLT command ONU to disable its own optical transceiver for the specified time

## 215.3 ONT Card Management Command

### Command Description

*This command run a self-test on an ont pluggable card. when the test is finished, a pass/fail result is reported.*

### User Level

*The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.*

### Command Syntax

The command has the following syntax:

```
> admin equipment ont slot (ont-slot-idx) [ (self-test) ]
```

### Command Parameters

**Table 215.3-1 "ONT Card Management Command" Resource Parameters**

Resource Identifier	Type	Description
(ont-slot-idx)	Format: ( <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Gpon::OntSlotId>   ng2 : <Ng2::ChannelGroup> / <Ng2::SubchannelGroup> / <Ng2::OntId> / <Gpon::OntSlotId> ) Possible values: - ng2 : ngpon2 style identification Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::SlotId> - the LT slot number Field type <Eqpt::PonId> - the PON identifier Field type <Ng2::ChannelGroup> - channel group number Field type <Ng2::SubchannelGroup> - subchannel group number Field type <Eqpt::OntId> - the ONT identifier Field type <Ng2::OntId> - the ONT identifier Field type <Gpon::OntSlotId> - Gpon Ont Slot - range: [1...14]	current operational parameters for the ont

**Table 215.3-2 "ONT Card Management Command" Command Parameters**

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Parameter	Type	Description
(self-test)	Format: self-test Possible values: - self-test : initiate self-test	<i>optional parameter</i> runs the self-test on the ont card

## 215.4 ONT Software Control Management Command

### Command Description

*This command restores an automatic ont software download of a planned software version to the previous planned software version.*

### User Level

*The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.*

### Command Syntax

The command has the following syntax:

```
> admin equipment ont sw-ctrl (sw-ctrl-idx) (revert-sw-ver)
```

### Command Parameters

**Table 215.4-1 "ONT Software Control Management Command" Resource Parameters**

Resource Identifier	Type	Description
(sw-ctrl-idx)	Format: - ont software control table index - range: [1...250]	ont software control table index

**Table 215.4-2 "ONT Software Control Management Command" Command Parameters**

Parameter	Type	Description
(revert-sw-ver)	Format: revert-sw-ver Possible values: - revert-sw-ver : revert software version	<i>mandatory parameter</i> revert ont software version in the control table

## 215.5 ONT Software Version Management Command

### Command Description

*This command sets the ont software version that a manager wants deleted from the nt file system.*

### User Level

*The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.*

### Command Syntax

The command has the following syntax:

```
> admin equipment ont sw-version [ delete-version <Gpon::OntVersion> ]
```

### Command Parameters

Table 215.5-2 "ONT Software Version Management Command" Command Parameters

Parameter	Type	Description
delete-version	Parameter type: <Gpon::OntVersion> Format: - the version number of a card - length: x<=14	<i>optional parameter</i> specify an ont software version that a manager wants deleted from the nt file system

### Command Output

Table 215.5-3 "ONT Software Version Management Command" Display parameters

Specific Information		
name	Type	Description
status	Parameter type: <Gpon::OntVerStatus> ( unknown   in-progress   success   failed ) Possible values: - unknown : Command has never been issued - in-progress : deletion in progress - success : file successfully deleted - failed : unable to delete file	ont software version delete status. <i>This element is always shown.</i>



## 215.6 ONT Data Store Management Command

### Command Description

*This command forces an ont to save its data in flash memory.*

### User Level

*The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.*

### Command Syntax

The command has the following syntax:

```
> admin equipment ont data-store (index) (force)
```

### Command Parameters

**Table 215.6-1 "ONT Data Store Management Command" Resource Parameters**

Resource Identifier	Type	Description
(index)	Format: ( <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId>   ng2 : <Ng2::ChannelGroup> / <Ng2::SubchannelGroup> / <Ng2::OntId> ) Possible values: - ng2 : ngpon2 style identification Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::SlotId> - the LT slot number Field type <Eqpt::PonId> - the PON identifier Field type <Ng2::ChannelGroup> - channel group number Field type <Ng2::SubchannelGroup> - subchannel group number Field type <Eqpt::OntId> - the ONT identifier Field type <Ng2::OntId> - the ONT identifier	identification of ont

**Table 215.6-2 "ONT Data Store Management Command" Command Parameters**

Parameter	Type	Description
(force)	Format: force	<i>mandatory parameter</i> forces an ont to saves its data in

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Parameter	Type	Description
	Possible values: - force :	flash memory

## 215.7 ONT Reboot via SN Management Command

### Command Description

*This command to reboot ont via serial number by sending PLOAM message.*

### User Level

*The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.*

### Command Syntax

The command has the following syntax:

```
> admin equipment ont sernum (sernum) [ reboot <Gpon::OntReboot> ]
```

### Command Parameters

**Table 215.7-1 "ONT Reboot via SN Management Command" Resource Parameters**

Resource Identifier	Type	Description
(sernum)	Format: <Gpon::VendorId> : <Gpon::SerialNo> Field type <Gpon::VendorId> - vendor id - 4 ASCII characters - range: [a-zA-Z0-9] - length: 4 Field type <Gpon::SerialNo> - serial num - 8 ASCII characters - range: [a-fA-F0-9] - length: 8	identification of ont

**Table 215.7-2 "ONT Reboot via SN Management Command" Command Parameters**

Parameter	Type	Description
reboot	Parameter type: <Gpon::OntReboot> Format: via-ploam Possible values: - via-ploam : reboot via ploam	<i>optional parameter</i> reboot the ont