

## ***45- Epon Ont Ethernet Configuration Command***

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# 45.1 Epon Ont Ethernet Configuration Command Tree

## Description

This chapter gives an overview of nodes that are handled by "Epon Ont Ethernet Configuration Command".

## Command Tree

```
----configure
  ----ethernet
    ----eont
      ----[no] port
        - (uni-index)
          ----[no] filter
            - (filterid)
            - profileid
            - precedence
            - [no] acl
            - [no] dot1p
            - [no] llid
            - queueid
          ----[no] snoopmcastvlan
            - (vlanid)
          ----[no] usercvlan
            - (usercvlanid)
            - networkcvlan
          ----[no] mcastvlan
            - (mcastvlanid)
            - uservlan
```

## 45.2 Epon Ont ethernet Configuration Command

### Command Description

*This command allows the operator to configure ethernet parameters of ONT physical UNI*

### User Level

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

### Command Syntax

The command has the following syntax:

```
> configure ethernet eont ( no port (uni-index) ) | ( port (uni-index) )
```

### Command Parameters

**Table 45.2-1 "Epon Ont ethernet Configuration Command" Resource Parameters**

Resource Identifier	Type	Description
(uni-index)	Format: <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Epon::EontSlot> / <Epon::EontPort> 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 <Eqpt::OntId> - the ONT identifier Field type <Epon::EontSlot> - Epon Ont Slot - range: [1...16] Field type <Epon::EontPort> - Epon Ont Port - range: [1...64]	ONT UNI interface

# 45.3 Epon Ont Flow Configuration Command

## Command Description

*This command allows the operator to configure traffic flows at ONT physical UNI*

*Note: The ont flow can be created or deleted, but cannot be modified*

## 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:

```
> configure ethernet eont port (uni-index) ( no filter (filterid) ) | ( filter (filterid) profileid <Epon::ProfileId>
precedence <Epon::Precedence> [ no acl | acl <Epon::Acl> ] [ no dot1p | dot1p <Epon::FilterPBit> ] [ no llid | llid
<Epon::Llid> ] queueid <Epon::QueueId> )
```

## Command Parameters

Table 45.3-1 "Epon Ont Flow Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(uni-index)	Format: <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Epon::EontSlot> / <Epon::EontPort> 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 <Eqpt::OntId> - the ONT identifier Field type <Epon::EontSlot> - Epon Ont Slot - range: [1...16] Field type <Epon::EontPort> - Epon Ont Port - range: [1...64]	ONT UNI interface
(filterid)	Format: - Filter ID - range: [1...8]	Filter identifier

Table 45.3-2 "Epon Ont Flow Configuration Command" Command Parameters

Parameter	Type	Description
profileid	Parameter type: <Epon::ProfileId> Format: - traffic profile ID - range: [1...8192]	<i>mandatory parameter</i> traffic profile ID used to classify traffic
precedence	Parameter type: <Epon::Precedence> Format: - flow precedence - range: [1...8]	<i>mandatory parameter</i> flow precedence
[no] acl	Parameter type: <Epon::Acl> Format: ( pass   drop ) Possible values: - pass : flow behavior pass - drop : flow behavior drop	<i>optional parameter with default value: "pass"</i> flow behavior
[no] dot1p	Parameter type: <Epon::FilterPBit> Format: - default pbit - range: [0...7,255]	<i>optional parameter with default value: "255"</i> default pbit of this port
[no] llid	Parameter type: <Epon::Llid> Format: - logical link ID,only for EPON onu. As to DPOE, 1*1 llidpattern onu has 1 llid binding with 4 queues; 2*1 llidpattern onu has 2 llids, each llid binding with 4 queues; for 1*4/1*8/2*4 , llid n is fixedly binded with queue n,that is,llid 1 is binded with queue 1... - range: [1...1]	<i>optional parameter with default value: "1"</i> logical link id for this flow
queueid	Parameter type: <Epon::QueueId> Format: - queue for the flow,range 1-4 for EPON,range 1-8 for DPOE. As to DPOE, for 1*1/2*1/1*4 llidpattern onu, range is 1-4; for 1*8/2*4 llidpattern onu, range is 1-8. - range: [1...8]	<i>mandatory parameter</i> queue for this flow. Mandatory parameter.

## 45.4 Epon Ont Ethernet Multicast Vlan Configuration Command

### Command Description

*This command allows the operator to configure multicast vlan allowed for Ethernet port.*

*Note: The multicast vlan for port cannot be modified.*

### 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:

```
> configure ethernet eont port (uni-index) ( no snoopmcastvlan (vlanid) ) | ( snoopmcastvlan (vlanid) )
```

### Command Parameters

**Table 45.4-1 "Epon Ont Ethernet Multicast Vlan Configuration Command" Resource Parameters**

Resource Identifier	Type	Description
(uni-index)	Format: <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Epon::EontSlot> / <Epon::EontPort> 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 <Eqpt::OntId> - the ONT identifier Field type <Epon::EontSlot> - Epon Ont Slot - range: [1...16] Field type <Epon::EontPort> - Epon Ont Port - range: [1...64]	ONT UNI interface
(vlanid)	Format: - vlan id - range: [1...4093]	multicast vlan id allowed for port



# 45.5 Epon Ont Ethernet Vlan Translation Configuration Command

## Command Description

*This command allows the operator to configure vlan translation for tagged packet on ont Ethernet port.*

*Note: The networkcvlan cannot be modified*

*Note: This command should be shown only if the vlanmode of the Ethernet port is translation, trunk or aggregation.*

## 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:

```
> configure ethernet eont port (uni-index) ( no usercvlan (usercvlanid) ) | ( usercvlan (usercvlanid) [ networkcvlan <Epon::NwCvlanId> ] )
```

## Command Parameters

Table 45.5-1 "Epon Ont Ethernet Vlan Translation Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(uni-index)	Format: <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Epon::EontSlot> / <Epon::EontPort> 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 <Eqpt::OntId> - the ONT identifier Field type <Epon::EontSlot> - Epon Ont Slot - range: [1...16] Field type <Epon::EontPort> - Epon Ont Port - range: [1...64]	ONT UNI interface



Resource Identifier	Type	Description
(uservlanid)	Format: - vlan id - range: [1...4093]	userside vlan id allowed for port

**Table 45.5-2 "Epon Ont Ethernet Vlan Translation Configuration Command" Command Parameters**

Parameter	Type	Description
networkvlan	Parameter type: <Epon::NwCvlanId> Format: - vlan id - range: [1...4093]	<i>optional parameter</i> the networkside VLAN of the physical UNI and when you don't config the network VLAN, don't enter the keyword networkvlan

## 45.6 Epon Ont Ethernet Multicast Vlan Translation Configuration Command

### Command Description

*This command allows the operator to configure multicast vlan translation if multiconf for this port is translation.*

*Note: the uservlan cannot be modified.*

*Note: This command should be shown only if the multiconf of the Ethernet port is translation.*

### 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:

```
> configure ethernet eont port (uni-index) ( no mcastvlan (mcastvlanid) ) | ( mcastvlan (mcastvlanid) uservlan
<Epon::uservlan> )
```

### Command Parameters

**Table 45.6-1 "Epon Ont Ethernet Multicast Vlan Translation Configuration Command" Resource Parameters**

Resource Identifier	Type	Description
(uni-index)	Format: <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Epon::EontSlot> / <Epon::EontPort> 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 <Eqpt::OntId> - the ONT identifier Field type <Epon::EontSlot> - Epon Ont Slot - range: [1...16] Field type <Epon::EontPort> - Epon Ont Port - range: [1...64]	ONT UNI interface

Resource Identifier	Type	Description
(mcastvlanid)	Format: - vlan id - range: [1...4093]	macst VLAN ID

**Table 45.6-2 "Epon Ont Ethernet Multicast Vlan Translation Configuration Command" Command Parameters**

Parameter	Type	Description
uservlan	Parameter type: <Epon::uservlan> Format: - vlan id - range: [1...4093]	<i>mandatory parameter</i> the userside VLAN