

65- ONT VEIP Configuration Commands

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65.1 ONT VEIP Configuration Command Tree

Description

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

Command Tree

```

----configure
  ----veip
    ----ont
      - (uni-idx)
      - [no] domain-name
      - [no] lpt-mode
      - [no] admin-state
      ----X port
        - [no] pm-collect
      ----l2
        - [no] pm
        - [no] pm-64bit
        - [no] tca
        - [no] dropped-frames-up
        - [no] dropped-frames-dn
      ----pm-ext
        - [no] pm-collect
        - [no] p-bits
        - [no] vlan-id
  
```

65.2 ONT VEIP Configuration Command

Command Description

This command allows the operator to modify ONT VEIP port provisioning data.

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 veip ont (uni-idx) [ no domain-name | domain-name <Gpon::DomainName> ] [ no lpt-mode | lpt-mode <Gpon::LPTMODE> ] [ no admin-state | admin-state <Gpon::ItfAdminStatus> ]
```

Command Parameters

Table 65.2-1 "ONT VEIP Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(uni-idx)	Format: (<Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Gpon::OntSlotId> / <Gpon::OntPortId> ng2 : <Ng2::ChannelGroup> / <Ng2::SubchannelGroup> / <Ng2::OntId> / <Gpon::OntSlotId> / <Gpon::OntPortId>) 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]	identification of the uni interface index

Resource Identifier	Type	Description
	Field type <Gpon::OntPortId> - Gpon Ont Port - range: [1...16]	

Table 65.2-2 "ONT VEIP Configuration Command" Command Parameters

Parameter	Type	Description
[no] domain-name	Parameter type: <Gpon::DomainName> Format: - to uniquely identify the VEIP Client. - length: x<=25	<i>optional parameter with default value: "none"</i> Domain Name to identify VEIP
[no] lpt-mode	Parameter type: <Gpon::LPTMODE> Format: (not-supported enabled disabled) Possible values: - not-supported : ignore and don't send the configuration to ONT - enabled : enable the LPT mode on this port - disabled : disable the LPT mode on this port	<i>optional parameter with default value: "not-supported"</i> LinkPassThrough(LPT) mode configuration
[no] admin-state	Parameter type: <Gpon::ItfAdminStatus> Format: (up down) Possible values: - up : set the admin-state to up - down : set the admin-state to down	<i>optional parameter with default value: "down"</i> <i>The parameter is not visible during creation.</i> administrative status of the interface

Command Output

Table 65.2-3 "ONT VEIP Configuration Command" Display parameters

Specific Information		
name	Type	Description
oper-state	Parameter type: <Itf::ifOperStatus> (up down testing unknown dormant no-value) Possible values: - up : up,traffic can pass - down : down,no traffic is passing - testing : testing,no traffic is passing - unknown : unknown - dormant : dormant,no traffic is passing - no-value : no entry in the table	the operational state of the interface <i>This element is always shown.</i>

65.3 ONT VEIP Port L2 Performance Monitoring Configuration Command

Command Description

Obsolete command, replaced by `configure veip ont l2 pm`.

This command allows the operator to enable or disable PM on the VEIP layer 2 ports of the 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:

```
> configure veip ont (uni-idx) port [ no pm-collect | pm-collect <Gpon::OntPmCollect> ]
```

Obsolete command, replaced by `configure veip ont l2 pm`.

Command Parameters

Table 65.3-1 "ONT VEIP Port L2 Performance Monitoring Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(uni-idx)	Format: (<Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Gpon::OntSlotId> / <Gpon::OntPortId> ng2 : <Ng2::ChannelGroup> / <Ng2::SubchannelGroup> / <Ng2::OntId> / <Gpon::OntSlotId> / <Gpon::OntPortId>) 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>	identification of the uni interface index

Resource Identifier	Type	Description
	<ul style="list-style-type: none"> - the ONT identifier Field type <Ng2::OntId> <ul style="list-style-type: none"> - the ONT identifier Field type <Gpon::OntSlotId> <ul style="list-style-type: none"> - Gpon Ont Slot - range: [1...14] Field type <Gpon::OntPortId> <ul style="list-style-type: none"> - Gpon Ont Port - range: [1...16] 	

Table 65.3-2 "ONT VEIP Port L2 Performance Monitoring Configuration Command" Command Parameters

Parameter	Type	Description
[no] pm-collect	Parameter type: <Gpon::OntPmCollect> Format: (enable disable) Possible values: - enable : enable PM - disable : disable PM	<i>optional parameter with default value: "disable"</i> veip port layer 2 performance monitoring

65.4 Veip ONT Uni Layer 2 Configuration Command

Command Description

This command allows the operator to provision performance monitoring and threshold crossing alerts for an Veip ONT layer 2 UNI.

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 veip ont (uni-idx) l2 [ no pm | pm <Gpon::OntPmCollect> ] [ no pm-64bit | pm-64bit
<Gpon::OntPmCollect> ] [ no tca | tca <Gpon::OntPmCollect> ] [ no dropped-frames-up | dropped-frames-up
<Gpon::ErrorCountThreshold> ] [ no dropped-frames-dn | dropped-frames-dn <Gpon::ErrorCountThreshold> ]
```

Command Parameters

Table 65.4-1 "Veip ONT Uni Layer 2 Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(uni-idx)	Format: (<Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Gpon::OntSlotId> / <Gpon::OntPortId> ng2 : <Ng2::ChannelGroup> / <Ng2::SubchannelGroup> / <Ng2::OntId> / <Gpon::OntSlotId> / <Gpon::OntPortId>) 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>	identification of the uni interface index

Resource Identifier	Type	Description
	- Gpon Ont Slot - range: [1...14] Field type <Gpon::OntPortId> - Gpon Ont Port - range: [1...16]	

Table 65.4-2 "Veip ONT Uni Layer 2 Configuration Command" Command Parameters

Parameter	Type	Description
[no] pm	Parameter type: <Gpon::OntPmCollect> Format: (enable disable) Possible values: - enable : enable PM - disable : disable PM	<i>optional parameter with default value: "disable"</i> l2 pm collection
[no] pm-64bit	Parameter type: <Gpon::OntPmCollect> Format: (enable disable) Possible values: - enable : enable PM - disable : disable PM	<i>optional parameter with default value: "disable"</i> l2 pm-64bit collection
[no] tca	Parameter type: <Gpon::OntPmCollect> Format: (enable disable) Possible values: - enable : enable PM - disable : disable PM	<i>optional parameter with default value: "disable"</i> l2 threshold crossing alerts
[no] dropped-frames-up	Parameter type: <Gpon::ErrorCountThreshold> Format: (disable <Gpon::ErrorCountThreshold>) Possible values: - disable : disable tca Field type <Gpon::ErrorCountThreshold> - error count threshold (0-4294967295) - range: [0...4294967295]	<i>optional parameter with default value: "disable"</i> incoming (upstream) dropped frames threshold
[no] dropped-frames-dn	Parameter type: <Gpon::ErrorCountThreshold> Format: (disable <Gpon::ErrorCountThreshold>) Possible values: - disable : disable tca Field type <Gpon::ErrorCountThreshold> - error count threshold (0-4294967295) - range: [0...4294967295]	<i>optional parameter with default value: "disable"</i> outgoing (downstream) dropped frames threshold

Command Output

Table 65.4-3 "Veip ONT Uni Layer 2 Configuration Command" Display parameters

Specific Information		
name	Type	Description
pm-intervals	Parameter type: <SignedInteger> - a signed integer	number of rows currently present in the gponEtherTrafficIntervalTable

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name	Type	Description
		<i>This element is only shown in detail mode.</i>

65.5 L2 UNI ONT Performance Monitor Extended 32bit Configuration Command

Command Description

This command sets the PM EXT parameters.

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 veip ont (uni-idx) l2 pm-ext [ no pm-collect | pm-collect <Gpon::OntPmCollect> ] [ no p-bits | p-bits <SignedInteger> ] [ no vlan-id | vlan-id <Vlan::VlanIndexOrZero> ]
```

Command Parameters

Table 65.5-1 "L2 UNI ONT Performance Monitor Extended 32bit Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(uni-idx)	Format: (<Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Gpon::OntSlotId> / <Gpon::OntPortId> ng2 : <Ng2::ChannelGroup> / <Ng2::SubchannelGroup> / <Ng2::OntId> / <Gpon::OntSlotId> / <Gpon::OntPortId>) 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>	identification of the uni interface index

Resource Identifier	Type	Description
	<ul style="list-style-type: none"> - the ONT identifier Field type <Gpon::OntSlotId> <ul style="list-style-type: none"> - Gpon Ont Slot - range: [1...14] Field type <Gpon::OntPortId> <ul style="list-style-type: none"> - Gpon Ont Port - range: [1...16] 	

**Table 65.5-2 "L2 UNI ONT Performance Monitor Extended 32bit Configuration Command"
Command Parameters**

Parameter	Type	Description
[no] pm-collect	Parameter type: <Gpon::OntPmCollect> Format: (enable disable) Possible values: - enable : enable PM - disable : disable PM	<i>optional parameter with default value: "disable"</i> indicates whether enable this pm collect for this veip Port
[no] p-bits	Parameter type: <SignedInteger> Format: - a signed integer	<i>optional parameter with default value: 0xFF</i> indicates the P bits of the TCI field are used to filter the PM data collected or not 0xFF: not used 0-7: p-bit used to filter data
[no] vlan-id	Parameter type: <Vlan::VlanIndexOrZero> Format: - vlan id - range: [0...4092]	<i>optional parameter with default value: 0</i> indicates the vlan-id bits of the TCI field are used to filter the PM data collected 0: not used Other value : this vlan-id used to filter data