

199- Voice Ont Management Commands

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199.1 Voice Ont Management Command Tree

Description

This chapter gives an overview of nodes that are handled by "Voice Ont Management Commands".

Command Tree

- admin**
 - voice**
 - cluster**
 - (cluster-id)
 - database**
 - (save)
 - equipment**
 - (equip-id)
 - port-id**
 - (port-id)
 - lktype
 - sharedline-port-id**
 - (port-id)
 - lktype
 - media-gateway**
 - (media-gateway-id)
 - lktype
 - trigger-esa-mgc
 - sip**
 - l1-trans-statistics**
 - (if-index)
 - (reset)
 - ont**
 - pots**
 - diagnostics**
 - (uni-idx)
 - mode
 - hazard-dc-volt-th
 - hazard-ac-volt-th
 - frgn-ac-volt-th
 - frgn-dc-volt-th
 - tipgnd-rnggnd-th
 - tip-ring-th
 - ring-min-th
 - ring-max-th
 - diagnostic
 - pb-dial-tone**
 - (uni-idx)
 - [no] slow-pull-timer
 - [no] no-pull-timer
 - [no] slow-break-timer
 - [no] no-break-timer
 - [no] test-digit
 - diagnostic
 - sip-dial-tone**
 - (uni-idx)

- sip-phone-number
- diagnostic
- voip-config**
 - **(voip-index)**
 - (active)

199.2 Voice Megaco Database Management Command

Command Description

This command allows the operator to manage the voice megaco xvps database.

User Level

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

Command Syntax

The command has the following syntax:

```
> admin voice cluster (cluster-id) database [ (save) ]
```

Command Parameters

Table 199.2-1 "Voice Megaco Database Management Command" Resource Parameters

Resource Identifier	Type	Description
(cluster-id)	Format: - the xvps cluster id - range: [1...8,11]	uniquely identify of this xvps cluster

Table 199.2-2 "Voice Megaco Database Management Command" Command Parameters

Parameter	Type	Description
(save)	Format: save Possible values: - save : save the database	<i>optional parameter</i> save the database

199.3 Voice Megaco Equipment Admin Commands

Command Description

This command allows the operator to manage the Voice equipment. One ivps can manage at most 256 equipments, so the id of equipment is from 1 to 256.

If you want to manage a termination, you must configure a equipment first.

User Level

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

Command Syntax

The command has the following syntax:

> admin voice cluster (cluster-id) equipment (equip-id)

Command Parameters

Table 199.3-1 "Voice Megaco Equipment Admin Commands" Resource Parameters

Resource Identifier	Type	Description
(cluster-id)	Format: - the xvps cluster id - range: [1...8,11]	uniquely identify of this xvps cluster
(equip-id)	Format: - id of equipment - range: [1...32]	uniquely identify of this equipment

199.4 Voice Megaco Termination Lock Management Command

Command Description

This command allows the operator to manage the voice megaco termination lock type.

User Level

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

Command Syntax

The command has the following syntax:

```
> admin voice cluster (cluster-id) equipment (equip-id) port-id (port-id) [ lktype
<MEGACO::accTerminationLockType> ]
```

Command Parameters

Table 199.4-1 "Voice Megaco Termination Lock Management Command" Resource Parameters

Resource Identifier	Type	Description
(cluster-id)	Format: - the xvps cluster id - range: [1...8,11]	uniquely identify of this xvps cluster
(equip-id)	Format: - id of equipment - range: [1...32]	uniquely identify of this equipment
(port-id)	Format: <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::NewSlotId> / <Eqpt::MegacoPortId> Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::NewSlotId> - the LT slot number Field type <Eqpt::MegacoPortId> - the port number of Megaco	unique identifier of this termination port

Table 199.4-2 "Voice Megaco Termination Lock Management Command" Command Parameters

Parameter	Type	Description
lktype	Parameter type: <MEGACO::accTerminationLockType> Format: (force graceful : <MEGACO::accTerminationLockDelay>)	<i>optional parameter</i> the termination lock type and delay time

Parameter	Type	Description
	<p>Possible values:</p> <ul style="list-style-type: none">- force : The termination lock type is force- graceful : The termination lock type is graceful <p>Field type <MEGACO::accTerminationLockDelay></p> <ul style="list-style-type: none">- the delay timer before lock access termination- unit: 1 msec- range: [0...3600000]	

199.5 Voice Megaco Secondary Termination Lock Management Command

Command Description

This command allows the operator to manage the voice megaco secondary termination lock type.

User Level

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

Command Syntax

The command has the following syntax:

```
> admin voice cluster (cluster-id) equipment (equip-id) sharedline-port-id (port-id) [ lktype
<MEGACO::accTerminationLockType> ]
```

Command Parameters

Table 199.5-1 "Voice Megaco Secondary Termination Lock Management Command" Resource Parameters

Resource Identifier	Type	Description
(cluster-id)	Format: - the xvps cluster id - range: [1...8,11]	uniquely identify of this xvps cluster
(equip-id)	Format: - id of equipment - range: [1...32]	uniquely identify of this equipment
(port-id)	Format: <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::NewSlotId> / <Eqpt::MegacoPortId> Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::NewSlotId> - the LT slot number Field type <Eqpt::MegacoPortId> - the port number of Megaco	unique identifier of the secondary termination port

Table 199.5-2 "Voice Megaco Secondary Termination Lock Management Command" Command Parameters

Parameter	Type	Description
lktype	Parameter type: <MEGACO::accTerminationLockType> Format:	<i>optional parameter</i> the secondary termination lock

Parameter	Type	Description
	(force graceful : <MEGACO::accTerminationLockDelay>) Possible values: - force : The termination lock type is force - graceful : The termination lock type is graceful Field type <MEGACO::accTerminationLockDelay> - the delay timer before lock access termination - unit: 1 msec - range: [0...3600000]	type and delay time

199.6 Voice Megaco Media Gateway Lock Management Command

Command Description

This command allows the operator to manage the voice megaco media gateway lock type.

User Level

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

Command Syntax

The command has the following syntax:

```
> admin voice cluster (cluster-id) media-gateway (media-gateway-id) [ lktype
<MEGACO::mediaGatewayLockType> ] [ trigger-esa-mgc <MEGACO::mediaGatewayTriggerESAMgc> ]
```

Command Parameters

Table 199.6-1 "Voice Megaco Media Gateway Lock Management Command" Resource Parameters

Resource Identifier	Type	Description
(cluster-id)	Format: - the xvps cluster id - range: [1...8,11]	uniquely identify of this xvps cluster
(media-gateway-id)	Format: - the media gateway table index - range: [1]	uniquely identify of this media gateway

Table 199.6-2 "Voice Megaco Media Gateway Lock Management Command" Command Parameters

Parameter	Type	Description
lktype	Parameter type: <MEGACO::mediaGatewayLockType> Format: (force graceful : <MEGACO::mediaGatewayLockDelay>) Possible values: - force : The media gateway lock type is force - graceful : The media gateway lock type is graceful Field type <MEGACO::mediaGatewayLockDelay> - the timer of media gateway lock command - unit: 1 msec - range: [0...3600000]	<i>optional parameter</i> the media gateway lock type and delay time
trigger-esa-mgc	Parameter <MEGACO::mediaGatewayTriggerESAMgc> Format:	type: <i>optional parameter</i> failover to local ESA mgc or failback to external normal mgc

Parameter	Type	Description
	(failover failback) Possible values: - failover : failover to local ESA mgc - failback : failback to external normal mgc	

199.7 Voice Sip L1 Transport Statistics Commands

199.8 Voice POTS Diagnostics Management Command

Command Description

This command allows the operator to test MLT for the POTS lines on the ONT

The result of the MLT tests can be retrieved using "show voice ont pots diagnostic" command.

User Level

The command can be accessed by operators with sip,megaco privileges, and executed by operators with sip,megaco privileges.

Command Syntax

The command has the following syntax:

```
> admin voice ont pots diagnostics (uni-idx) [ mode <Gpon::Mode> ] [ hazard-dc-volt-th <Gpon::HazDcTh> ] [ hazard-ac-volt-th <Gpon::HazAcTh> ] [ frgn-ac-volt-th <Gpon::FgAcTh> ] [ frgn-dc-volt-th <Gpon::FgDcTh> ] [ tipgnd-rnggnd-th <Gpon::TipRngTh> ] [ tip-ring-th <Gpon::TipRngTh> ] [ ring-min-th <Gpon::RngLoadTh> ] [ ring-max-th <Gpon::RngLoadTh> ] [ diagnostic <Gpon::Potsdgn> ]
```

Command Parameters

Table 199.8-1 "Voice POTS Diagnostics Management Command" Resource Parameters

Resource Identifier	Type	Description
(uni-idx)	Format: (<Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Gpon::OntSlotId> / <Gpon::OntPotsPortId> ng2 : <Ng2::ChannelGroup> / <Ng2::SubchannelGroup> / <Ng2::OntId> / <Gpon::OntSlotId> / <Gpon::OntPotsPortId>) 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 <Eqpt::OntId> - the ONT identifier Field type <Ng2::ChannelGroup>	ontpots index

Resource Identifier	Type	Description
	<ul style="list-style-type: none"> - channel group number Field type <Ng2::SubchannelGroup> - subchannel group number Field type <Ng2::OntId> - the ONT identifier Field type <Gpon::OntSlotId> - Gpon Ont Slot - range: [1...14] Field type <Gpon::OntPotsPortId> - Gpon Ont Pots Port - range: [1...24] 	

Table 199.8-2 "Voice POTS Diagnostics Management Command" Command Parameters

Parameter	Type	Description
mode	Parameter type: <Gpon::Mode> Format: (deny force) Possible values: - deny : deny the test - force : force the test	<i>optional parameter</i> used to force or deny the test if line is busy
hazard-dc-volt-th	Parameter type: <Gpon::HazDcTh> Format: - Threshold for declaring Hazardous DC Voltage - range: [0,80...150]	<i>optional parameter</i> threshold for declaring Hazardous DC Voltage test pass or fail
hazard-ac-volt-th	Parameter type: <Gpon::HazAcTh> Format: - Threshold for declaring Hazardous AC Voltage - range: [0,50...150]	<i>optional parameter</i> threshold for declaring Hazardous AC Voltage test pass or fail
frgn-ac-volt-th	Parameter type: <Gpon::FgAcTh> Format: - Threshold for declaring Foreign AC Voltage - range: [0,10...50]	<i>optional parameter</i> threshold for declaring Foreign AC Voltage test pass or fail
frgn-dc-volt-th	Parameter type: <Gpon::FgDcTh> Format: - Threshold for declaring Foreign DC Voltage - range: [0...10]	<i>optional parameter</i> threshold for declaring Foreign DC Voltage test pass or fail
tipgnd-rnggnd-th	Parameter type: <Gpon::TipRngTh> Format: - Threshold for declaring Tip-Ground or Ring-Ground Resistance - range: [0...250]	<i>optional parameter</i> threshold for declaring Tip-Ground to Ring-Ground Resistance test pass or fail
tip-ring-th	Parameter type: <Gpon::TipRngTh> Format: - Threshold for declaring Tip-Ground or Ring-Ground Resistance - range: [0...250]	<i>optional parameter</i> threshold for declaring Tip and Ring Resistance test pass or fail
ring-min-th	Parameter type: <Gpon::RngLoadTh> Format: - Threshold (MIN/MAX) for declaring Ringer Load - range: [0...700]	<i>optional parameter</i> threshold (MIN) for declaring Ringer Load test pass or fail
ring-max-th	Parameter type: <Gpon::RngLoadTh> Format: - Threshold (MIN/MAX) for declaring Ringer Load - range: [0...700]	<i>optional parameter</i> threshold (MIN) for declaring Ringer Load test pass or fail
diagnostic	Parameter type: <Gpon::Potsdgn> Format:	<i>optional parameter</i> indicating desire to execute

Parameter	Type	Description
	test_initiated Possible values: - test_initiated : MLT test initiated.Only value settable by Manager	POTS port MLT test always 1

199.9 Voice POTS Pull-Break Management Command

Command Description

This command allows the operator to run Pull/Break Dialtone test for POTS lines on the ONT

The result of the Pull/Break DialTone tests can be retrieved using "show voice ont pots pb-dial-tone" command

User Level

The command can be accessed by operators with sip,megaco privileges, and executed by operators with sip,megaco privileges.

Command Syntax

The command has the following syntax:

```
> admin voice ont pots pb-dial-tone (uni-idx) [ no slow-pull-timer | slow-pull-timer <Gpon::SlwPullTmr> ] [ no
no-pull-timer | no-pull-timer <Gpon::NoPullTmr> ] [ no slow-break-timer | slow-break-timer <Gpon::SlwBrkTmr>
] [ no no-break-timer | no-break-timer <Gpon::NoBrkTmr> ] [ no test-digit | test-digit <Gpon::TestDigit> ]
diagnostic <Gpon::PbDialToneDgn>
```

Command Parameters

Table 199.9-1 "Voice POTS Pull-Break Management Command" Resource Parameters

Resource Identifier	Type	Description
(uni-idx)	Format: (<Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Gpon::OntSlotId> / <Gpon::OntPotsPortId> ng2 : <Ng2::ChannelGroup> / <Ng2::SubchannelGroup> / <Ng2::OntId> / <Gpon::OntSlotId> / <Gpon::OntPotsPortId>) 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 <Eqpt::OntId> - the ONT identifier Field type <Ng2::ChannelGroup>	ontpots index

Resource Identifier	Type	Description
	<ul style="list-style-type: none"> - channel group number Field type <Ng2::SubchannelGroup> - subchannel group number Field type <Ng2::OntId> - the ONT identifier Field type <Gpon::OntSlotId> - Gpon Ont Slot - range: [1...14] Field type <Gpon::OntPotsPortId> - Gpon Ont Pots Port - range: [1...24] 	

Table 199.9-2 "Voice POTS Pull-Break Management Command" Command Parameters

Parameter	Type	Description
[no] slow-pull-timer	Parameter type: <Gpon::SlwPullTmr> Format: - Threshold Timer which the ONT should use to determine if dialtone was obtained slowly - unit: sec - range: [0...6]	<i>optional parameter with default value: 0</i> Threshold Timer which the ONT should use to determine if dialtone was obtained slowly
[no] no-pull-timer	Parameter type: <Gpon::NoPullTmr> Format: - Threshold Timer which the ONT should use to determine if dialtone was not obtained - unit: sec - range: [0,1...10]	<i>optional parameter with default value: 0</i> Threshold Timer which the ONT should use to determine if dialtone was not obtained
[no] slow-break-timer	Parameter type: <Gpon::SlwBrkTmr> Format: - Threshold Timer which the ONT should use to determine if dialtone break was obtained slowly - unit: sec - range: [0...3]	<i>optional parameter with default value: 0</i> Threshold Timer which the ONT should use to determine if dialtone break was obtained slowly
[no] no-break-timer	Parameter type: <Gpon::NoBrkTmr> Format: - Threshold Timer which the ONT should use to determine if dialtone break was not obtained - unit: sec - range: [0,1...3]	<i>optional parameter with default value: 0</i> Threshold Timer which the ONT should use to determine if dialtone break was not obtained
[no] test-digit	Parameter type: <Gpon::TestDigit> Format: - digit that the ONT should use to break the dial tone - range: [0-9*#] - length: x<=1	<i>optional parameter with default value: ""</i> digit that the ONT should use to break the dial tone
diagnostic	Parameter type: <Gpon::PbDialToneDgn> Format: test_initiated Possible values: - test_initiated : dialtone test initiated.Only value settable by Manager	<i>optional parameter</i> desire to execute POTS make-break dialtone test always 1

199.10 Voice SIP Pull-Break Management Command

Command Description

This command allows the operator to run the SIP Pull-Break Dial tone test for POTS lines on the ONT

The result of the SIP Pull-Break DialTone tests can be retrieved using "show voice ont pots sip-dial-tone" command.

User Level

The command can be accessed by operators with sip,megaco privileges, and executed by operators with sip,megaco privileges.

Command Syntax

The command has the following syntax:

```
> admin voice ont pots sip-dial-tone (uni-idx) sip-phone-number <Gpon::SipPhNo> diagnostic <Gpon::SipDgn>
```

Command Parameters

Table 199.10-1 "Voice SIP Pull-Break Management Command" Resource Parameters

Resource Identifier	Type	Description
(uni-idx)	Format: (<Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Gpon::OntSlotId> / <Gpon::OntPotsPortId> ng2 : <Ng2::ChannelGroup> / <Ng2::SubchannelGroup> / <Ng2::OntId> / <Gpon::OntSlotId> / <Gpon::OntPotsPortId>) 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 <Eqpt::OntId> - the ONT identifier Field type <Ng2::ChannelGroup> - channel group number Field type <Ng2::SubchannelGroup>	ont pots index

Resource Identifier	Type	Description
	<ul style="list-style-type: none"> - subchannel group number 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 <ul style="list-style-type: none"> - range: [1...14] Field type <Gpon::OntPotsPortId> <ul style="list-style-type: none"> - Gpon Ont Pots Port <ul style="list-style-type: none"> - range: [1...24] 	

Table 199.10-2 "Voice SIP Pull-Break Management Command" Command Parameters

Parameter	Type	Description
sip-phone-number	Parameter type: <Gpon::SipPhNo> Format: <ul style="list-style-type: none"> - Phone number to be dialed for the SIP pull-break test <ul style="list-style-type: none"> - range: [0-9*#] <ul style="list-style-type: none"> - length: x<=16 	<i>optional parameter</i> Phone number to be dialed for the SIP pull-break test
diagnostic	Parameter type: <Gpon::SipDgn> Format: test_initiated Possible values: <ul style="list-style-type: none"> - test_initiated : Sip dialtone test initiated.Only value settable by Manager 	<i>optional parameter</i> indicating desire to execute POTS SIP make-break dialtone test

199.11 GPON Voip Configuration Management

Command

Command Description

This command causes the ONT to redownload the VOIP configuration for the ONT. This is only used when the operator thinks that the ONT has been configured to retrieve the correct VOIP configuration but there was a failure in this retrieval and another manually initiated attempt should be tried

User Level

The command can be accessed by operators with sip,megaco privileges, and executed by operators with sip,megaco privileges.

Command Syntax

The command has the following syntax:

```
> admin voice ont voip-config (voip-index) (active)
```

Command Parameters

Table 199.11-1 "GPON Voip Configuration Management Command" Resource Parameters

Resource Identifier	Type	Description
(voip-index)	Format: (ont : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Gpon::IpHostId> ont:ng2 : <Eqpt::ChannelGroupId> / <Eqpt::SubChannelGroupId> / <Eqpt::Ng2OntId> / <Ng2::IpHostId>) Possible values: - ont:ng2 : ngpon2 ont - ont : ont 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 <Eqpt::ChannelGroupId> - the channel group identifier Field type <Eqpt::SubChannelGroupId> - the subchannel group identifier	a unique interface index

Resource Identifier	Type	Description
	Field type <Eqpt::Ng2OntId> - the NG2 ONT identifier Field type <Gpon::IpHostID> - iphost id Field type <Ng2::IpHostID> - iphost id (ngpon2)	

Table 199.11-2 "GPON Voip Configuration Management Command" Command Parameters

Parameter	Type	Description
(active)	Format: active Possible values: - active : to activate the profile	<i>optional parameter</i> to activate the profile