93- ONT Ranging Status Commands

93.1 ONT Ranging Status Command Tree

Description

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

Command Tree

```
----show
    ----equipment
        ----ont
            ----ranging-status
                ----channel-group
                    - (channel-group)
                    - subchannel-group
                    - ont-id
                ----channel-pair
                    - (chpair)
                    - ont
```

93.2 ONT Channel-group Ranging Status Command

Command Description

This command reports the onts in a channel group and their preferred and ranged channel-pair along with ranging status

User Level

The command can be accessed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

> show equipment ont ranging-status channel-group [(channel-group) [subchannel-group <Ng2::SubchannelGroupId>] [ont-id <Ng2::OntNum>]]

Command Parameters

Table 93.2-1 "ONT Channel-group Ranging Status Command" Resource Parameters

Resource Identifier	Type	Description
(channel-group)	Format: <Ng2::ChannelGroup> Field type <Ng2::ChannelGroup> - channel group number	channel group id
subchannel-group	Parameter type: <Ng2::SubchannelGroupId> Format: - subchannel group number - range: [1...4]	subchannel group id
ont-id	Parameter type: <Ng2::OntNum> Format: - ont id in a subchannel group - range: [1...256]	ont id

Command Output

Table 93.2-2 "ONT Channel-group Ranging Status Command" Display parameters

Specific Information		
name	Type	Description
ont	Parameter type: <Gpon::OntIndex> (<Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> | ng2 : <Ng2::ChannelGroup> / <Ng2::SubchannelGroup> /	ont ifindex *This element is always shown.*

name	Type	Description
	<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	
ranging status	Parameter type: <Ng2::OntRangedStatusChanGroup> (ranged-on-pref | ranged-on-prot | not-ranged | ranged-parked | rng-on-altpref) Possible values: - ranged-on-pref : Ranged on Preferred Channel Pair - ranged-on-prot : Ranged on Protection Channel Pair - not-ranged : NOT Ranged - ranged-parked : Ranged/parked - rng-on-altpref : Ranged on Alternative Preferred Channel Pair	ont ranging status *This element is always shown.*
ranged-on chpair short name: rngd on-chpair	Parameter type: <Ng2::ChannelPairIndexOrZero> (<Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::ChannelPairId> | -) Possible values: - - : ont not ranged 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	ranged channel pair *This element is always shown.*
backup-chpair status	Parameter type: <Ng2::OntBackupChPairStatusChanGroup> (pref-ready | pref-not-ready | prot-ready | prot-not-ready | not-ready | none | altpref-ready | altpref-not-rdy) Possible values: - pref-ready : Preferred Channel Pair ready	backup channel pair status *This element is always shown.*

name	Type	Description
	- pref-not-ready : Preferred Channel Pair NOT ready - prot-ready : Protection Channel Pair ready - prot-not-ready : Protection Channel Pair NOT ready - not-ready : NOT ready - none : None - altpref-ready : Alternative Preferred Channel Pair ready - altpref-not-rdy : Alternative Preferred Channel Pair NOT ready	
preferred-chpair short name: prefer-chpair	Parameter type: <Ng2::ChannelPairIndexOrZero> (<Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::ChannelPairId> | -) Possible values: - - : ont not ranged 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	preferred channel pair *This element is always shown.*
protection-chpair short name: protect-chpair	Parameter type: <Ng2::ChannelPairIndexOrZero> (<Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::ChannelPairId> | -) Possible values: - - : ont not ranged 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	protection channel pair *This element is always shown.*
alt-pref-chpair short name: altpref-chpair	Parameter type: <Ng2::ChannelPairIndexOrZero> (<Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::ChannelPairId> | -) Possible values: - - : ont not ranged 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	alternative preferred channel pair *This element is always shown.*

93.3 ONT Channel-pair Ranging Status Command

Command Description

This command reports the onts on a channel pair and their ranging status

User Level

The command can be accessed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

> show equipment ont ranging-status channel-pair [(chpair) [ont <Gpon::OntIndex>]]

Command Parameters

Table 93.3-1 "ONT Channel-pair Ranging Status Command" Resource Parameters

Resource Identifier	Type	Description
(chpair)	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	channel pair ifindex
ont	Parameter type: <Gpon::OntIndex> 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	ont ifindex

Resource Identifier	Type	Description
	Field type <Ng2::SubchannelGroup> - subchannel group number Field type <Eqpt::OntId> - the ONT identifier Field type <Ng2::OntId> - the ONT identifier	

Command Output

Table 93.3-2 "ONT Channel-pair Ranging Status Command" Display parameters

Specific Information		
name	Type	Description
usage-by-ont	Parameter type: <Ng2::OntRangedStatusChanPair> (pref-ranged | pref-not-ranged | pref-not-ranged-ready | pref-not-rng-not-ready | prot-ranged | prot-not-ranged-ready | prot-not-rng-not-ready | ranged-parked | altpref-ranged | altpref-not-ranged-rdy | altprf-not-rng-not-rdy) Possible values: - pref-ranged : Channel-pair is preferred and ONT is ranged on it - pref-not-ranged : Channel-pair is preferred and ONT is NOT ranged on it, no protection - pref-not-ranged-ready : Channel-pair is preferred and ONT is NOT ranged on it, ready - pref-not-rng-not-ready: Channel-pair is preferred and ONT is NOT ranged on it, not ready - prot-ranged : Channel-pair is protection and ONT is ranged on it - prot-not-ranged-ready : Channel-pair is protection and ONT is NOT ranged on it, ready - prot-not-rng-not-ready: Channel-pair is protection and ONT is NOT ranged on it, not ready - ranged-parked : Channel-pair is NOT preferred, NOT protection and NOT alternative preferred and ONT is ranged on it, parked - altpref-ranged : Channel-pair is alternative preferred and ONT is ranged on it - altpref-not-ranged-rdy: Channel-pair is alternative preferred and ONT is NOT ranged on it, ready - altprf-not-rng-not-rdy: Channel-pair is alternative preferred and ONT is NOT ranged on it, not ready	ont ranging status *This element is always shown.*