85- Dual-Parenting ProtGrp Configuration Commands

85.1 Dual-Parenting ProtGrp Configuration Command Tree

Description

This chapter gives an overview of nodes that are handled by "Dual-Parenting ProtGrp Configuration Commands".

Command Tree

```
----configure
    ----dual-parenting
        ----[no] protection-group
            - (local-port)
            - prot-type
            - peer-node-name
            - protection-group-id
            - [no] prot-group-status
```

85.2 Dual-Parenting ProtGrp Configuration Command

Command Description

This command allows the operator to configure dual-parenting protection group. The system will decide which port of the two becomes active. In case of failure of one port the other port will take over. A forced switchover can also be triggered manually by the operator.

The port protection group is identified by the first port in the group that is intended to be protected. The following parameters can be configured for the protection group :
*   *local-port-index: the local-port-index that will ensure the protection of the first one.*

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 dual-parenting (no protection-group (local-port)) | (protection-group (local-port) prot-type <Equipm::DualParentProtGrpType> peer-node-name <Equipm::DualParentProtGrpPeerNodeName> protection-group-id <Equipm::DualParentProtGrpId> [[no] prot-group-status])

Command Parameters

Table 85.2-1 "Dual-Parenting ProtGrp Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(local-port)	Format: (pon : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> | chpair : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::ChannelPairId>) Possible values: - pon : pon-aid - chpair : chpair-aid 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::ChannelPairId>	the local port identifier of the dual-parenting in the protection group

Resource Identifier	Type	Description
	- the channel pair identifier	

Table 85.2-2 "Dual-Parenting ProtGrp Configuration Command" Command Parameters

Parameter	Type	Description
prot-type	Parameter type: <Equipm::DualParentProtGrpType> Format: (primary | secondary) Possible values: - primary : primary node - secondary : secondary node	*mandatory parameter* the dual-parenting protection group pro-type
peer-node-name	Parameter type: <Equipm::DualParentProtGrpPeerNodeName> Format: - a printable string - length: 1<=x<=127	*mandatory parameter* the dual-parenting peer-node-name
protection-group-id	Parameter type: <Equipm::DualParentProtGrpId> Format: - index of dual-parenting protection group - range: [1...127]	*mandatory parameter* the protecion group id in the dual-parenting protection group
[no] prot-group-status	Parameter type: boolean	*optional parameter*