

38- IMA Configuration Commands

38.1 IMA Configuration Command Tree	38-1165
38.2 IMA Group Configuration Commands	38-1166
38.3 IMA Link Configuration Commands	38-1168

38.1 IMA Configuration Command Tree

Description

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

Command Tree

```
----configure
  ----ima
    ----group
      - (if-index)
      - [no] activate
      - [no] admin-up
      - [no] min-tx-links
      - [no] min-rx-links
      - near-end-ima-id
    ----[no] link
      - (link-if-index)
      - grp-index
```

38.2 IMA Group Configuration Commands

Command Description

This command allows the operator to manage the IMA group profile.

User Level

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

Command Syntax

The command has the following syntax:

```
> configure ima group (if-index) [ [ no ] activate ] [ [ no ] admin-up ] [ no min-tx-links | min-tx-links
<Ima::GroupMinNumTxLinks> ] [ no min-rx-links | min-rx-links <Ima::GroupMinNumRxLinks> ] [
near-end-ima-id <Ima::GroupTxImaId> ]
```

Command Parameters

Table 38.2-1 "IMA Group Configuration Commands" Resource Parameters

Resource Identifier	Type	Description
(if-index)	Format: <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PortId> 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::PortId> - the port number	interface index of the port

Table 38.2-2 "IMA Group Configuration Commands" Command Parameters

Parameter	Type	Description
[no] activate	Parameter type: boolean	<i>optional parameter</i>
[no] admin-up	Parameter type: boolean	<i>optional parameter</i> admin status is up
[no] min-tx-links	Parameter type: <Ima::GroupMinNumTxLinks> Format: - a minimum number of transmit links required to be active - range: [1...8]	<i>optional parameter with default value: 1</i> the minimum number of transmit links
[no] min-rx-links	Parameter type: <Ima::GroupMinNumRxLinks> Format: - a minimum number of receive links required to be active - range: [1...8]	<i>optional parameter with default value: 1</i> the minimum number of receive links
near-end-ima-id	Parameter type: <Ima::GroupTxImaId> Format:	<i>optional parameter</i> the imd id used by the near-end

Parameter	Type	Description
	- an imd id used by the near-end ima function - range: [0...255]	ima function

38.3 IMA Link Configuration Commands

Command Description

This command allows the operator to manage the IMA link profile.

User Level

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

Command Syntax

The command has the following syntax:

```
> configure ima ( no link (link-if-index) ) | ( link (link-if-index) grp-index <Itf::ImaLine> )
```

Command Parameters

Table 38.3-1 "IMA Link Configuration Commands" Resource Parameters

Resource Identifier	Type	Description
(link-if-index)	Format: <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PortId> 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::PortId> - the port number	interface index of the port

Table 38.3-2 "IMA Link Configuration Commands" Command Parameters

Parameter	Type	Description
grp-index	Parameter type: <Itf::ImaLine> Format: <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PortId> 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::PortId> - the port number	<i>mandatory parameter</i> logical interface number assigned to this IMA grp Link