

## Configuring ATM IMA

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### Creating the IMA Groups (ATM Interfaces)

The following shows the configuration for IMA groups on ATM interfaces:

```
[edit chassis]
  fpc fpc-slot {
    pic pic-slot {
      aggregated-devices {
        ima {
          device-count count;
        }
      }
    }
  }
}
```

### IMA Link Options

```
ima-link-options {
  group-id g; # IMA group number, g is integer range
}
```

### IMA Group Options

```
ima-group-options {
  # IMA specification version
  version <1.0|1.1>;
  # IMA group minimum active links; integer; default is 1
  minimum-links <1-8>;
  # Transmit clock configuration; default is common
  transmit-clock <common|independent>;
  # IMA frame length in integer number of cells; default is 128
  frame-length <32|64|128|256>;
  # IMA group symmetry mode selection
  symmetry <symmetrical-config-and-operation |
  symmetrical-config-asymmetrical-operation>;
  frame-synchronization {
    # Number of consecutive invalid ICP cells for IFSM, integer; default 2
    alpha 1-2;
    # Number of consecutive errored ICP cells for IFSM, integer; default 2
    beta 1-2;
    # Number of consecutive valid ICP cells for IFSM, integer; default 1
    gamma 1-5;
  }
  # Maximum differential delay among links in msec, integer; default 25
}
```

```
differential-delay 1-56;
test-procedure {
  # Interface name of the IMA link to test
  interface name;
  # IMA test pattern, integer; default is 0xAA
  pattern 1-254;
  # Length of IMA pattern test in seconds, integer; default 10
  period 1-4294967294
}
```

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