

Configuring E3 and T3 Parameters on ATM Interfaces

For ATM1 and ATM2 IQ interfaces, you can configure ATM E3 and T3 interfaces by including the following statements at the `[edit interfaces at-fpc/pic/port]` hierarchy level:

```
[edit interfaces at-fpc/pic/port]
e3-options {
  atm-encapsulation (direct | plcp);
  [Unresolved xref] feet;
  [Unresolved xref] (g.751 | g.832);
  [Unresolved xref] (local | remote);
  (payload-scrambler | no-payload-scrambler);
}
t3-options {
  atm-encapsulation (direct | plcp);
  [Unresolved xref] feet;
  (cbit-parity | no-cbit-parity);
  [Unresolved xref] (local | payload | remote);
  (payload-scrambler | no-payload-scrambler);
}
```

The following options and default values differ from those described in the chapters [\[Unresolved xref\]](#) and [\[Unresolved xref\]](#):

- **atm-encapsulation**—PLCP is the default value. The E3 line-format option [g.832](#) supports the **direct** ATM-encapsulation option only.
- **buildout**—The default value is 10 feet. The number of feet can be any integer value. The range is from 0 through 450 feet (about 137 meters).
- **cbit-parity**—The default option is to enable cbit parity.
- **framing**—There is no default option for E3 interfaces; T3 interfaces use the **cbit-parity** statement in place of the **framing** statement.
- **loopback**—By default, loopback is disabled.
- **payload-scrambler**—The default option is to enable payload scrambling.

In addition, the ATM E3 and T3 PICs support the **clocking** statement at the interface level, as do the SONET/SDH PICs. For more information about E3- and T3-specific parameters, see [\[Unresolved xref\]](#) and [\[Unresolved xref\]](#).



NOTE: You must configure all the ports on an ATM E3 or T3 PIC with the same framing and encapsulation. Otherwise, the system will set all the ports on the PIC to the slowest framing and encapsulating configuration. For ATM T3, this is PLCP. For ATM E3, this is G.751 PLCP.
