

## Defining the ATM OAM F5 Loopback Cell Period

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For ATM1 and ATM2 IQ interfaces with an ATM encapsulation, you can configure the OAM F5 loopback cell period on virtual circuits. This is the interval at which OAM F5 loopback cells are transmitted.

By default, no OAM F5 loopback cells are sent. To send OAM F5 loopback cells, include the **oam-period** statement:

```
oam-period (disable | seconds);
```

For a list of hierarchy levels at which you can include this statement, see **oam-period**.

The period can be from 1 through 900 seconds. You can also choose the **disable** option to disable the OAM loopback cell transmit feature.

OAM VC-AIS and VC-RDI defect indication cells are used for identifying and reporting VC defects end-to-end. When a physical link or interface failure occurs, intermediate nodes insert OAM AIS cells into all the downstream VCs affected by the failure. Upon receiving an AIS cell on a VC, the routing platform marks the logical interface down and sends an RDI cell on the same VC to notify the remote end of the error status. When an RDI cell is received on a VC, the routing platform sets the logical interface status to down. When no AIS or RDI cells are received for 3 seconds, the routing platform sets the logical interface status to up. You do not need to configure anything to enable defect indication.

