

Rate Queue Tolerance

Functional Description

The Rate Queue Tolerance subfeature allows you to configure a range of peak rates to use a single rate queue on an ATM interface.

How ATM Rate Queue Tolerance Works

When Rate Queue Tolerance is configured on an ATM interface, a PVC or SVC requesting a particular rate queue speed is assigned to the rate queue that is within the range of the peak cell rate tolerance.

Configuration Tasks

To configure Rate Queue Tolerance for ATM SVCs and PVCs, perform the following tasks beginning in global configuration mode:

Task	Command
Step 1 Specify the ATM interface for one of the following:	
• AIP on Cisco 7500 series routers and ATM port adapter on the Cisco 7200 series routers	interface atm slot/0
• NPM on Cisco 4500 and 4700 routers	interface atm number
• ATM port adapter on Cisco 7500 series routers	interface atm slot/port-adapter/0
Step 2 Configure ATM rate queue tolerance.	atm rate-queue tolerance svc [pvc] tolerance-value [strict]

If the **pvc** keyword is not specified, the rate queue tolerance for PVCs will default to 0.

Refer to the “Enhanced ATM VC Configuration and Management Commands” chapter for command reference and debug command documentation.

Configuration Example

The following example configures Rate Queue Tolerance on the ATM interface with slot 2 and port 0. A *tolerance-value* of 20 is specified, which will apply to SVCs, discovered VCs, and PVCs.

```
interface atm 2/0
  atm rate-queue tolerance svc pvc 20
```