



## CHAPTER 5

# Subscriber Traffic Management in CBT 3.4

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This section describes the subscriber traffic management (STM) tools that are used for viewing the enforce rules and locating violators:

- **Enforce Rules**—Displays the STM enforce rules on a Cisco CMTS.
- **All Violators**—Displays the STM violator modems connected to a Cisco CMTS.
- **All Violators Real Time**—Displays the STM violator modems connected to a Cisco CMTS.
- **Locate Violator**—Finds violator modems connected to a Cisco CMTS.

## Using the STM Tools

This section describes how to use the STM tools available in CBT 3.4:

- [Displaying STM Enforce Rules Defined for a Specific Period, page 5-1](#)
- [Displaying Active Enforce Rules, page 5-2](#)
- [Displaying Violators Detected for a Specific Period, page 5-2](#)
- [Displaying Current Violators, page 5-2](#)
- [Locating Violators, page 5-3](#)

## Displaying STM Enforce Rules Defined for a Specific Period

To display enforce rules defined for a specific period:

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- Step 1** From the STM Tools menu, choose **Enforce Rules**. The Get All Enforce Rules dialog box appears.
  - Step 2** Choose the CMTS group that includes the CMTS where you want to view the enforce rules.
  - Step 3** Choose the CMTS in the **CMTS** field for which you want to view the enforce rules.
  - Step 4** Set Start Time and End Time for the enforce rules that you want to view.
  - Step 5** Click **Get Rules** to display the enforce rules for the specified time period.
  - Step 6** For a complete description of each field in the Get All Enforce Rules dialog box, click **Help**.
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## Displaying Active Enforce Rules

To display active enforce rules:

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- Step 1** From the STM Tools menu, choose **Enforce Rules**. The Get All Enforce Rules dialog box appears.
  - Step 2** Choose the CMTS group that includes the CMTS where you want to view the enforce rules.
  - Step 3** Choose the CMTS in the **CMTS** field for which you want to view the enforce rules.
  - Step 4** Select **Real Time** for the enforce rules you want to view.
  - Step 5** Click **Get Rules** to display the active enforce rules.
  - Step 6** For a complete description of each field in the Get All Enforce Rules dialog box, click **Help**.
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## Displaying Violators Detected for a Specific Period

To view the STM violator modems connected to a Cisco CMTS, use the **All Violators** tool.

To display violators detected for a specific period:

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- Step 1** From the STM Tools menu, choose **All Violators**. The Get All Violator Modems dialog box appears.
  - Step 2** Choose the CMTS group that includes the CMTS where you want to view the enforce rules.
  - Step 3** Choose the CMTS in the **CMTS** field for which you want to view the enforce rules.
  - Step 4** Set Start Time and End Time for the enforce rules that you want to view.
  - Step 5** Click **Get Violators** to display the violators for the specified time period.
- For a complete description of each field in the Get All Violator Modems dialog box, click **Help**.
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## Displaying Current Violators

To view the STM violator modems connected to a Cisco CMTS, use the **All Violators Real Time**.

To display current violators:

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- Step 1** From the STM Tools menu, choose **All Violators Real Time**. The Get All Violator Modems Real Time dialog box appears.
  - Step 2** Choose the CMTS group that includes the CMTS where you want to view the enforce rules.
  - Step 3** Choose the CMTS in the **CMTS** field for which you want to view the enforce rules.
  - Step 4** Click **Get Violators** to display the current violators.
  - Step 5** Click **Get Enforce Rules** to display the current enforce rules for the specified time period. A new screen appears showing the rules enforced during the specified period.
  - Step 6** Click **Display Violators** to return to the violators screen.

- Step 7** For a complete description of each field in the Get All Violator Modems Real Time dialog box, click **Help**.
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## Locating Violators

To find violator modems connected to a Cisco CMTS, use the **Locate Violator** tool.

To locate violators:

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- Step 1** From the STM Tools menu, choose **Locate Violators**. The Locate A Violator Modem dialog box appears.
- Step 2** Enter the MAC address of the modem you want to locate.
- Step 3** Set the Start Time and End Time for the period you want to view the violator.
- Step 4** Click **Locate Modem** to display the violators for the specified time period.
- Step 5** For a complete description of each field in the Locate A Violator Modem dialog box, click **Help**.
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**Note**

To remove saved STM data from the database, choose **Purge Saved Data > STM Data** in the **Utilities** menu.

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