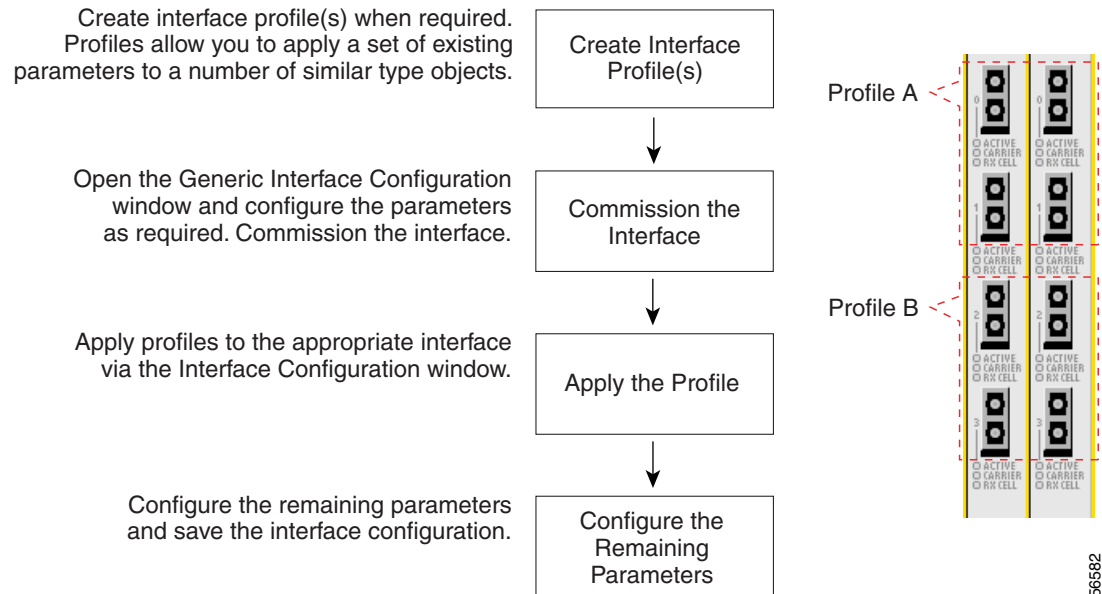




# Interface Profiles

This chapter describes how to create interface profiles using the Cisco 12000 Manager (C12kM) application. C12kM allows you to create and apply profiles to interfaces (see [Figure 7-1](#)).

**Figure 7-1 Interface Profiles Workflow**



Profiles allow you to apply a set of existing parameters to a number of similar type objects, eliminating the need to enter the same data numerous times. Once you have created a profile, you can apply that same profile to a number of interfaces, as applicable. This saves you from having to enter the same configuration information each time for the same type of objects.



When you choose a profile name, it is recommended to use a naming convention that describes the profile type. For example, an ATM profile might be called ATM1, a POS profile might be called POS2, and an HSRP profile could be HSRP1.

This chapter contains the following information:

- “[Interface Profile Types](#)” section on page 7-2
- “[Launching the Interface Profile Windows](#)” section on page 7-2

- “Creating an ATM Interface Profile” section on page 7-3
- “Creating a POS Interface Profile” section on page 7-12
- “Creating an HSRP Profile” section on page 7-8
- “Creating a SRP Side Profile” section on page 7-17

## Interface Profile Types

Table 7-1 outlines the profile types available, and details the windows that apply to each profile type.

**Table 7-1 Interface Profile Types and Applicable C12kM Windows**

Interface Profile Type	Applicable Windows
ATM Profile	ATM Configuration
HSRP Profile	Generic Configuration, Ethernet Configuration
POS Profile	Generic Configuration, IP Configuration, POS Configuration
SRP Side Profile	SRP Side Configuration

## Launching the Interface Profile Windows

Table 7-2 displays the Interface Profile windows that can be launched from each object type. For example, the POS Interface Profile window can be launched from a Site, Shelf, Chassis, Module or a POS Interface.

**Table 7-2 Launching the Interface Profile Windows**

C12kM Task	Objects (that can be selected) to Open the Window					Menu Options to Select to Open Window
	Site	Shelf	Chassis	Module	Interface	
<a href="#">Creating an ATM Interface Profile</a>	Yes	Yes	Yes	Yes	Generic, ATM	C12kM Management>Physical>Interface>ATM>Configuration Profile
<a href="#">Creating an HSRP Profile</a>	Yes	Yes	Yes	Yes	Generic, Ethernet	C12kM Management>Physical>Interface>Ethernet>HSRP Profile
<a href="#">Creating a POS Interface Profile</a>	Yes	Yes	Yes	Yes	Generic, POS	C12kM Management>Physical>Interface>POS>Profile
<a href="#">Creating a SRP Side Profile</a>	Yes	Yes	Yes	Yes	Generic, SRP	C12kM Management>Physical>Interface>SRP>Side>Profile



### Note

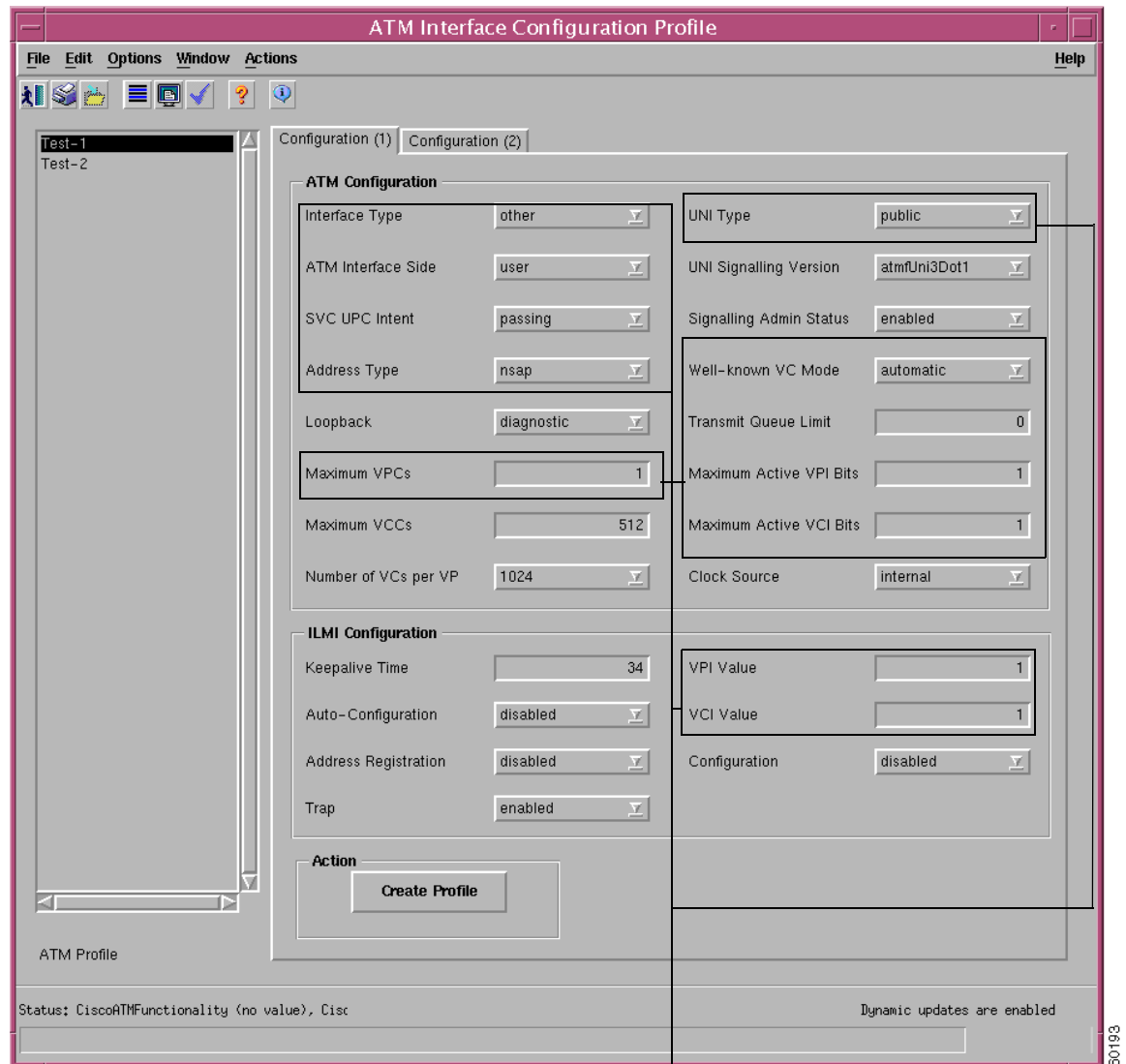
C12kM windows cannot be opened when multiple objects are selected (the menu options to open the C12kM windows are grayed out). Available menu options can be launched from a site object containing the required objects, when required.

# Creating an ATM Interface Profile

To create an ATM interface profile, proceed as follows:

- Step 1** Choose the **C12kM Management>Physical>Interface>ATM>Configuration Profile** option from a relevant object icon in the Map Viewer window or from an object pick list. Refer to [Table 7-2 on page 7-2](#) for information on which objects allow you to launch the ATM Interface Profile window.

**Figure 7-2** ATM Interface Configuration Profile Window (Configuration (1) Tab)



Not applicable for C12kM

Refer to the [“ATM Interface Configuration Profile Window—Detailed Description”](#) section on page 7-6 for further information on the parameters displayed in this window.

- Step 2** Choose **Create Profile**. A Prompt window appears (see [Figure 7-3](#)) for you to enter a name for you new profile.



**Note** Each profile created must have a unique name. Do not insert spaces into a profile name. When you choose a profile name, it is recommended to use a naming convention that describes the profile type. For example, an ATM profile might be called ATM1.

**Figure 7-3 Prompt Window**



**Step 3** Enter a name for the new profile in the Enter profile name data entry box.

**Step 4** Choose **Ok**. The ATM Interface Configuration Profile window reappears with the new profile name displayed in the ATM Interface list at the left of the window.



**Note** Choose the **Copy** and **Copy Page Configuration** options in the **Edit** menu to cut and paste between different profiles. This is useful when you wish to copy profile information from one to the next.

**Step 5** Configure the parameters displayed in the ATM Configuration and ILMI Configuration panels, as required.



**Note** You can apply an existing profile to a new profile to save time when configuring new profiles. Choose the **Apply Profile** option from the **Edit** menu and then choose the existing profile you wish to apply from the profiles listed. The configuration settings are copied from the existing profile to the new profile. The settings copied appear in blue.



**Note** The parameters displayed in the **Configuration (2)** tab are not applicable to C12kM.

**Step 6** Choose **Save** from the **File** menu to save the parameters you have selected for your profile.

**Step 7** Choose **Close** from the **File** menu to close the window.



**Note** You have now created a profile for the ATM Interface. Proceed to the [“Configuring and Commissioning a Generic Interface”](#) section on page 8-4 for details on commissioning the interface.

## Editing an Existing ATM Interface Profile

To edit an existing ATM Interface profile, proceed as follows:

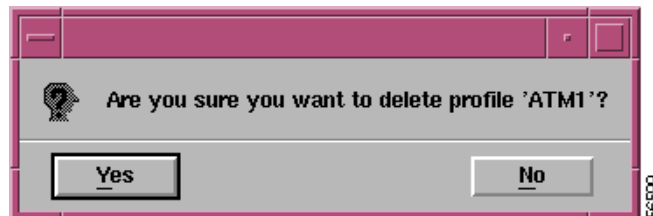
- 
- Step 1** Choose the **C12kM Management>Physical>Interface>ATM>Configuration Profile** option from a relevant object icon in the Map Viewer window or from an object pick list. Refer to [Table 7-2 on page 7-2](#) for information on which objects allow you to launch the ATM Interface Configuration Profile window.
  - Step 2** Choose the profile you wish to edit from the list of existing profiles displayed in the ATM Interface list at the left of the window (see [Figure 7-2](#)).
  - Step 3** Edit the parameters displayed in the Configuration (1) and Configuration (2) tabs, as required.
  - Step 4** Choose **Save** from the **File** menu to save the changes made to the service profile.
  - Step 5** Choose **Close** from the **File** menu to close the window.
- 

## Deleting an Existing ATM Interface Profile

To delete an existing ATM Interface profile, proceed as follows:

- 
- Step 1** Choose the **C12kM Management>Physical>Interface>ATM>Profile** option from a relevant object icon in the Map Viewer window or from an object pick list. Refer to [Table 7-2 on page 7-2](#) for information on which objects allow you to launch the ATM Interface Configuration Profile window.
  - Step 2** Choose the profile you wish to delete from the list of existing profiles displayed in the ATM Interface list at the left of the window (see [Figure 7-2](#)).
  - Step 3** Choose the **Delete Profile** option from the **Edit** menu. Choose the profile you wish to delete from the list displayed. A Deletion Prompt window appears (see [Figure 7-4](#)) for you to confirm that you wish to delete the selected profile.

**Figure 7-4** Deletion Prompt Window



- Step 4** Choose **Yes** to delete the selected profile or choose **No** to close the window without deleting the profile. When a profile is deleted it disappears from the list of existing profiles displayed in the ATM Interface list at the left of the window.
-

## ATM Interface Configuration Profile Window—Detailed Description

The ATM Interface Configuration Profile window displays two tabs: Configuration (1) and Configuration (2).

### Configuration (1) Tab

The Configuration (1) tab (see [Figure 7-2](#)) displays two panels: ATM Configuration, and ILMI Configuration.

#### ATM Configuration

The ATM Configuration panel displays the following attributes:

Interface Type—Not applicable for C12kM.

ATM Interface Side—Not applicable for C12kM.

SVC UPC Intent—Not applicable for C12kM.

Address Type—Not applicable for C12kM.

Loopback—Allows you to choose the loopback mode. The following options are available:

Enabled—Packets are transmitted back to the source to test the interface functionality and ensure that packets transmitted through the interface reach the destination without data loss.

Disabled—Restricts connection status (success or failure) messages from being received.

Diagnostic —The transmit data stream is looped to the transmit direction.

Maximum VPCs—Not applicable for C12kM.

Maximum VCCs—The maximum number of VCCs (PVCs and SVCs) supported at this interface.

Number of VCs per VP—Allows you to set the number of virtual channel per virtual path.

UNI Type—Not applicable for C12kM.

UNI Signalling Version—Version of UNI signalling that is currently being used on the interface. The appropriate value, either `atmfUni3Dot0`, `atmfUni3Dot1`, or `atmfUni4Dot0`, is used when the interface is an UNI or IISP interface. The value “not applicable” is used when the interface is a PNNI interface or when signalling is disabled. Setting this variable to a value of not applicable is not allowed. To modify this field, the interface admin status has to be down and the interface Ilmi auto configuration disabled.

Signalling Admin Status—Not applicable for C12kM.

Well-known VC Mode—Not applicable for C12kM.

Transmit Queue Limit—Not applicable for C12kM.

Maximum Active VPI Bits—Not applicable for C12kM.

Maximum Active VCI Bits—Not applicable for C12kM.

NSAP (Network Service Access Point) Address—Not applicable for C12kM.

Clock Source—Source of the clock.

## ILMI Configuration

The ILMI Configuration area contains the following fields:

**Keepalive Time**—The amount of time that should elapse between successive ILMI keepalive messages sent on this interface. A value of 0 disables ILMI keepalive messages on this interface.

**Auto-Configuration**—You can enable or disable the ILMI link and interface type determination. The configuration takes effect only on the next interface restart.

**Address Registration**—You can enable or disable ILMI Address Registration on this interface. The configuration takes effect only on the next interface restart.

**VPI Value**—Not applicable for C12kM.

**VCI Value**—Not applicable for C12kM.

**Configuration**—Enable or disable ILMI configuration on this interface. The configuration takes effect only on the next interface restart. Disabling this object will also disable address registration, auto-configuration, and keepalive time.

**Trap**—Allows you to enable or disable the ILMI traps.

## Actions

**Create Profile**—Choose **Create Profile** to create a new profile.

## Configuration (2) Tab

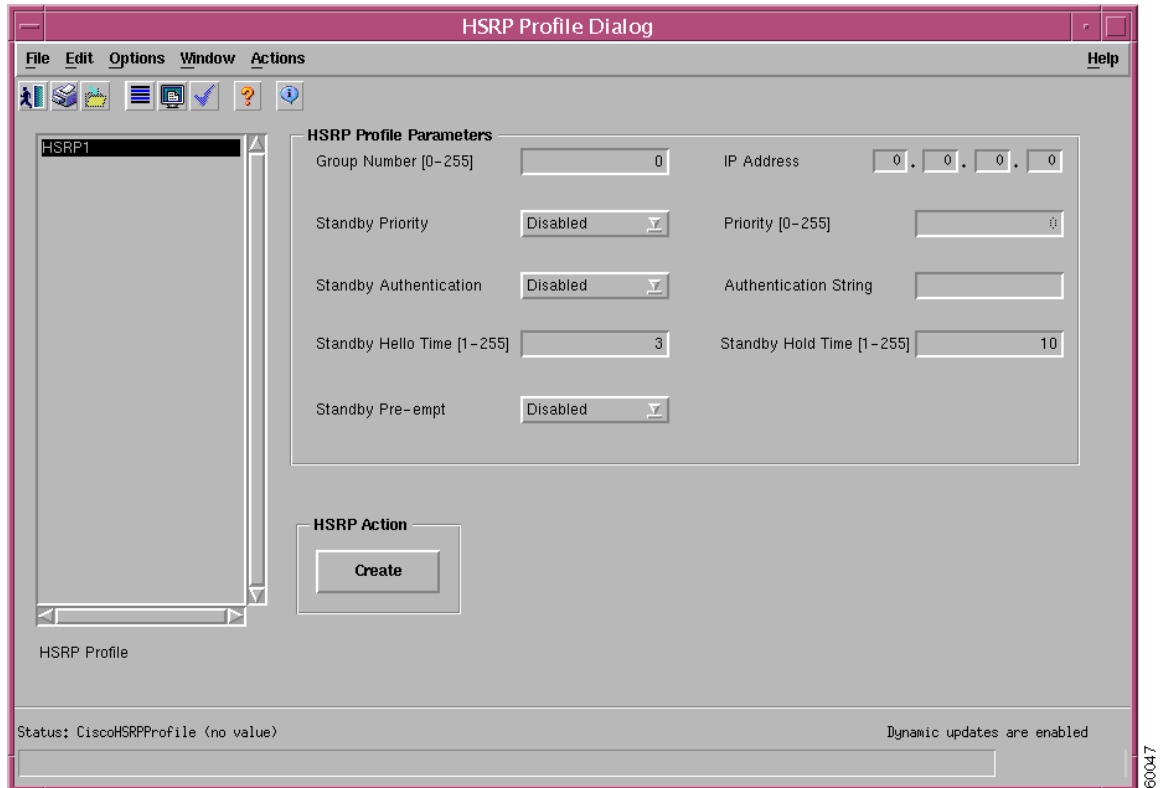
The parameters displayed in the **Configuration (2)** tab are not applicable to C12kM.

# Creating an HSRP Profile

To create an HSRP profile, proceed as follows:

- Step 1** Choose the **C12kM Management>Physical>Interface>Ethernet>HSRP Profile** option from a relevant object icon in the Map Viewer window or from an object pick list. Refer to [Table 7-2 on page 7-2](#) for information on which objects allow you to launch the HSRP Profile window.

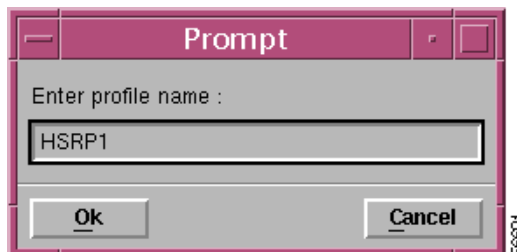
**Figure 7-5 HSRP Profile Window**



Refer to the “[HSRP Profile Window—Detailed Description](#)” section on page 7-10 for further information on the parameters displayed in this window.

- Step 2** Choose **Create**. A Prompt window appears (see [Figure 7-9](#)) for you to enter a name for you new profile.

**Figure 7-6 Prompt Window**



- Step 3** Enter a name for the new profile in the Enter profile name data entry box.



---

**Note** Each profile created must have a unique name. Do not insert spaces into a profile name. When you choose a profile name, it is highly recommended to use a naming convention that describes the profile type. For example, an HSRP profile could be HSRP1.

---

**Step 4** Choose **Ok**. The HSRP Profile window reappears with the new profile name displayed in the HSRP Interface list at left of the window.



---

**Note** Choose the **Copy** and **Copy Page Configuration** options in the **Edit** menu to cut and paste between different profiles. This is useful when you wish to copy profile information from one to the next.

---

**Step 5** Configure the parameters displayed, as required.



---

**Note** You can apply an existing profile to a new profile to save time when configuring new profiles. Choose the **Apply Profile** option from the **Edit** menu and then choose the existing profile you wish to apply from the profiles listed. The configuration settings are copied from the existing profile to the new profile. The settings copied appear in blue.

---

**Step 6** Choose **Save** from the **File** menu to save the parameters you have selected for your profile.

**Step 7** Choose **Close** from the **File** menu to close the window.



---

**Note** You have now created a profile for the HSRP Interface. Proceed to the “[Ethernet Interface Configuration](#)” section on page 8-9 for details on applying the profile and configuring the interface.

---

## Editing an Existing HSRP Interface Profile

To edit an existing HSRP Interface profile, proceed as follows:

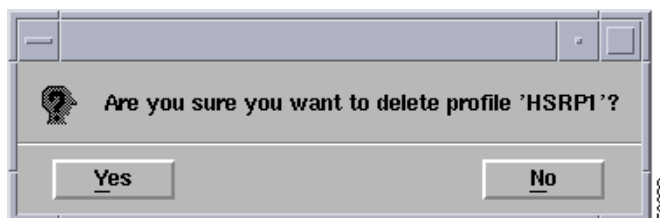
- 
- Step 1** Choose the **C12kM Management>Physical>Interface>Ethernet>HSRP Profile** option from a relevant object icon in the Map Viewer window or from an object pick list. Refer to [Table 7-2 on page 7-2](#) for information on which objects allow you to launch the HSRP Profile window.
- Step 2** Choose the profile you wish to edit from the list of existing profiles displayed in the HSRP Interface list at the left of the window (see [Figure 7-8](#)).
- Step 3** Edit the parameters displayed, as required.
- Step 4** Choose **Save** from the **File** menu to save the changes made to the service profile.
- Step 5** Choose **Close** from the **File** menu to close the window.
-

## Deleting an Existing HSRP Interface Profile

To delete an existing HSRP Interface profile, proceed as follows:

- Step 1** Choose the **C12kM Management>Physical>Interface>Ethernet>HSRP Profile** option from a relevant object icon in the Map Viewer window or from an object pick list. Refer to [Table 7-2 on page 7-2](#) for information on which objects allow you to launch the HSRP Profile window.
- Step 2** Choose the **Delete Profile** option from the **Edit** menu. Choose the profile you wish to delete from the list displayed. A Deletion Prompt window appears (see [Figure 7-7](#)) for you to confirm that you wish to delete the selected profile.

**Figure 7-7** Deletion Prompt Window



- Step 3** Choose **Yes** to delete the selected profile or choose **No** to close the window without deleting the profile. When a profile is deleted it disappears from the list of existing profiles displayed in the HSRP Profile list at the left of the window.

## HSRP Profile Window—Detailed Description

The HSRP Profile window displays two areas: HSRP Profile Parameters and HSRP Actions.

### HSRP Profile Parameters Area

The HSRP Profile Parameters area allows you to configure the following information:

**Group Number**—The group number on the interface for which HSRP is being activated. Standby routers are grouped and assigned a group number.

**Standby Priority**—Displays the standby priority for the interface. Standby priority can be set to:

Enabled—When the current interface fails it automatically switches to the standby interface.

Disabled—When the current interface fails it does not switch to a standby interface.

**Standby Authentication**—Allows you to enable or disable the standby authentication string. Options available are:

Enabled—It will check for the authentication string set and will allow you to configure the interface on presence of the set string.

Disabled—It will not check for an authentication string.

**Standby Hello Time [1-255]**—Enter the hello interval in seconds (1 to 255). The default time is 3 seconds.

**Standby Preempt**—Allows you to set the standby preempt. The standby router waits for the set time and takes over as the active router if the current router fails or does not respond to the packets sent.

**IP Address**—Enter the address of the Hot Standby Router interface.

**Priority [0-255]**—Allows you to set the priority value that prioritizes a potential Hot Standby router. The allowable range is 0 to 255.

**Authentication String**—Enter the set authentication string. Its purpose is to avoid any damage to the interface and can be up to eight characters in length. The default string is “cisco”.

**Standby Hold Time [1-255]**—Allows you to set the time (in seconds) for standby system to wait for the active interface to communicate about its status. On expiry of time set, the standby interface takes over as the active interface.

## HSRP Action

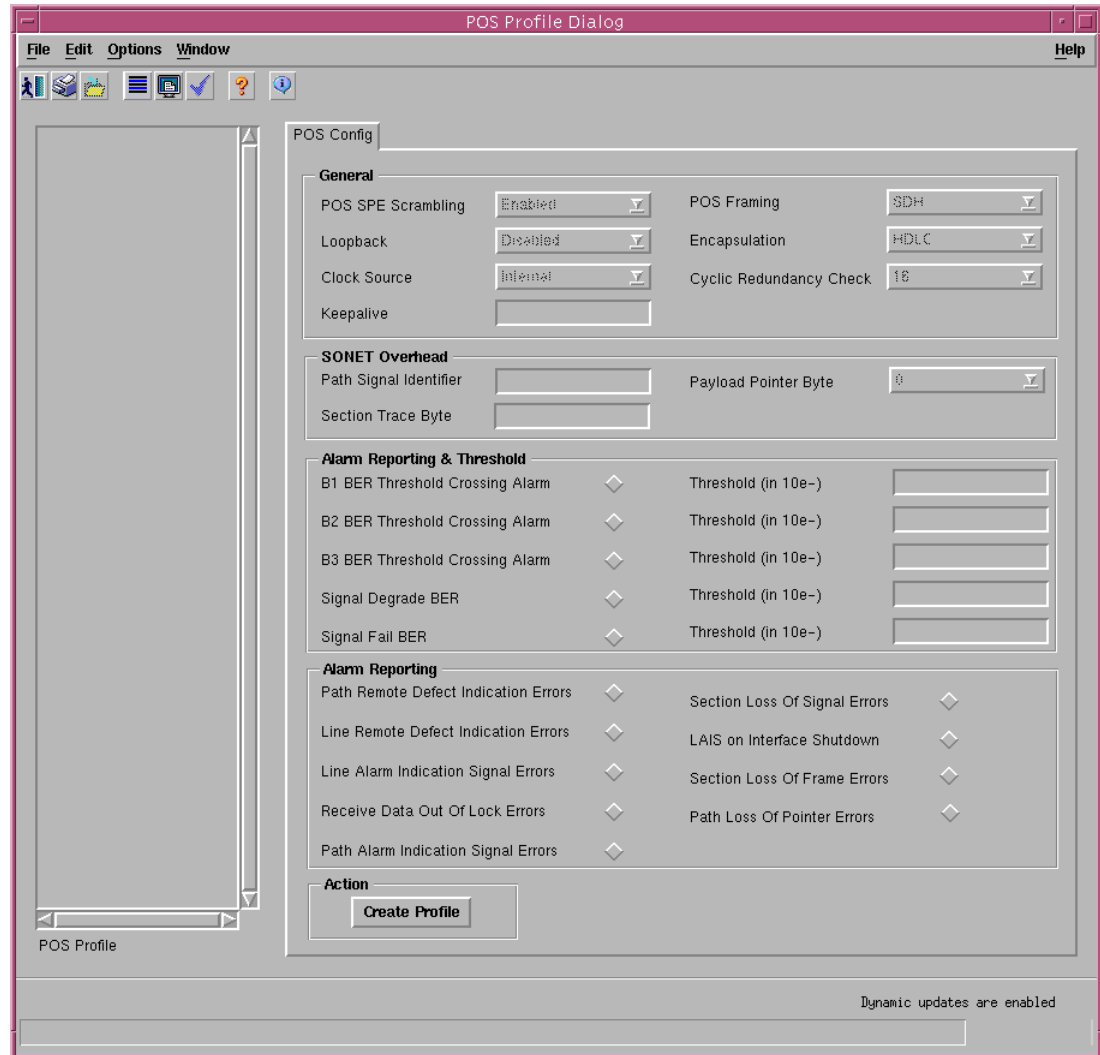
**Create**—Choose **Create** to create a new profile.

# Creating a POS Interface Profile

To create a POS interface profile, proceed as follows:

- Step 1** Choose the **C12kM Management>Physical>Interface>POS>Profile** option from a relevant object icon in the Map Viewer window or from an object pick list. Refer to [Table 7-2 on page 7-2](#) for information on which objects allow you to launch the POS Profile window.

**Figure 7-8 POS Profile Window (POS Config Tab)**



Refer to the “[POS Profile Window—Detailed Description](#)” section on page 7-15 for further information on the parameters displayed in this window.

- Step 2** Choose **Create Profile**. A Prompt window appears (see [Figure 7-9](#)) for you to enter a name for the new profile.

Figure 7-9 Prompt Window



**Step 3** Enter a name for the new profile in the Enter profile name data entry box.



**Note** Each profile created must have a unique name. Do not insert spaces into a profile name. When you choose a profile name, it is highly recommended to use a naming convention that describes the profile type. For example, a POS profile might be called POS1.

**Step 4** Choose **Ok**. The POS Profile window reappears with the new profile name displayed in the POS Interface list at left of the window.



**Note** Choose the **Copy** and **Copy Page Configuration** options in the **Edit** menu to cut and paste between different profiles. This is useful when you wish to copy configuration information from one profile to the next.

**Step 5** Configure the parameters displayed in the General, SONET Overhead, Alarm Reporting & Threshold, and Alarm Reporting panels, as required.



**Note** You can apply an existing profile to a new profile to save time when configuring new profiles. Choose the **Apply Profile** option from the **Edit** menu and then choose the existing profile you wish to apply from the profiles listed. The configuration settings are copied from the existing profile to the new profile. The settings copied appear in blue.

**Step 6** Choose **Save** from the **File** menu to save the parameters you have selected for your profile.

**Step 7** Choose **Close** from the **File** menu to close the window.



**Note** You have now created a profile for the POS Interface. Proceed to the “[POS Interface Configuration](#)” section on page 8-15 for details on applying the profile and configuring the interface.

## Editing an Existing POS Interface Profile

To edit an existing POS Interface profile, proceed as follows:

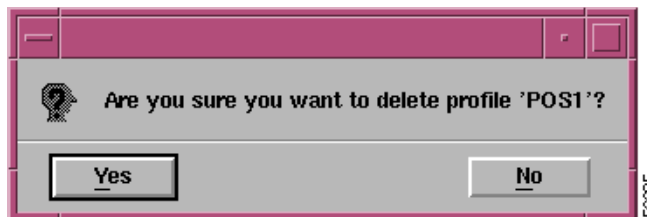
- 
- Step 1** Choose the **C12kM Management>Physical>Interface>POS>Configuration Profile** option from a relevant object icon in the Map Viewer window or from an object pick list. Refer to [Table 7-2 on page 7-2](#) for information on which objects allow you to launch the POS Profile window.
  - Step 2** Choose the profile you wish to edit from the list of existing profiles displayed in the POS Interface list at the left of the window (see [Figure 7-8](#)).
  - Step 3** Edit the parameters displayed in the POS Config tab, as required.
  - Step 4** Choose **Save** from the **File** menu to save the changes made to the service profile.
  - Step 5** Choose **Close** from the **File** menu to close the window.
- 

## Deleting an Existing POS Interface Profile

To delete an existing POS Interface profile, proceed as follows:

- 
- Step 1** Choose the **C12kM Management>Physical>Interface>POS>Configuration Profile** option from a relevant object icon in the Map Viewer window or from an object pick list. Refer to [Table 7-2 on page 7-2](#) for information on which objects allow you to launch the POS Profile window.
  - Step 2** Choose the **Delete Profile** option from the **Edit** menu. Choose the profile you wish to delete from the list displayed. A Deletion Prompt window appears (see [Figure 7-10](#)) for you to confirm that you wish to delete the selected profile.

**Figure 7-10** Deletion Prompt Window



- Step 3** Choose **Yes** to delete the selected profile or choose **No** to close the window without deleting the profile. When a profile is deleted it disappears from the list of existing profiles displayed in the POS Interface list at the left of the window.
-

## POS Profile Window—Detailed Description

The POS Interface Configuration window displays a single POS Config tab.

### POS Config Tab

The POS Config tab displays five panels: General, SONET Overhead, Alarm Reporting & Threshold, Alarm Reporting, and Action.

#### General

The General panel allows you to configure the following information:

**POS SPE Scrambling**—Allows you to enable or disable POS SPE scrambling. The Enabled option is selected by default.

**Loopback**—Allows you to select the loopback mode. Options available are: Disabled, Internal or Line.

**Clock Source**—Allows you to choose clock source from available options. There is a clock in every device, which measures the speed of the device. This can either be internal (within the device) or Line (the network clock).

**Keepalive**—Displays set keepalive period. The system sends packets to know if the interface or the network is up for routing packets. By default it is 10 seconds.

**POS Framing**—Allows you to select SDH or SONET type POS framing.

**Encapsulation**—Allows you to select HDLC, PPP or Frame Relay encapsulation type. The default value is HDLC.

**Cyclic Redundancy Check**—Allows you to select an option for cyclic redundancy check. Cyclic redundancy check basically consists of 16 or 32 bit verification code which has to be same at the both the transmitting and receiving to ensure the packets sent are received in full without loss of data. By default it is 32 bit code.

#### SONET Overhead

The SONET Overhead panel allows you to configure the following information:

**Path Signal Identifier**—Allows you to set the path signal identifier. Permissible values range from 0 to 255.

**Section Trace Byte**—Allows you to set the section trace byte. Permissible values are 0x1 or 0xCC.

**Payload Pointer Byte**—Allows you to select an option for payload pointer byte from the drop down menu. Permissible values range from 0 to 3.

#### Alarm Reporting & Threshold

The Alarm Reporting & Threshold panel allows you to configure the following information:

**B1 BER Threshold Crossing Alarm**—Allows you to fix threshold limits for the system to prompt appropriate B1 BER Threshold alarm messages.

**B2 BER Threshold Crossing Alarm**—Allows you to fix threshold limits for the system to prompt appropriate B2 BER Threshold alarm messages.

**B3 BER Threshold Crossing Alarm**—Allows you to fix threshold limits for the system to prompt appropriate B3 BER Threshold alarm messages.

Signal Degrade BER—Allows you to fix threshold limits for the system to prompt appropriate Signal Degrade BER Threshold alarm messages.

Signal Fail BER—Allows you to fix threshold limits for the system to prompt appropriate Signal Fail BER Threshold alarm messages.

Threshold (in 10e-)—Displays a threshold value.

## Alarm Reporting

The Alarm Reporting panel allows you to configure the following information:

Path Remote Defect Indication Errors—Allows you to enable or disable the path remote defect indication errors alarm messages.

Line Remote Defect Indication Errors—Allows you to enable or disable the line remote defect indication errors alarm messages.

Line Alarm Indication Signal Errors—Allows you to enable or disable the line alarm indication signal errors alarm messages.

Receive Data Out of Lock Errors—Allows you to enable or disable the Receive data output of lock errors alarm messages.

Path Alarm Indication Signal Errors—Allows you to enable or disable the path alarm indication signal errors alarm messages.

Section Loss of Signal Errors—Allows you to enable or disable the loss of signal errors alarm messages.

LAIS on Interface Shutdown—Allows you to enable or disable the LAIS on interface shutdown alarm messages.

Section Loss of Frame Errors—Allows you to enable or disable the panel loss of panel errors alarm messages.

Path Loss of Pointer Errors—Allows you to enable or disable the path loss of pointer errors alarm messages.

## Action

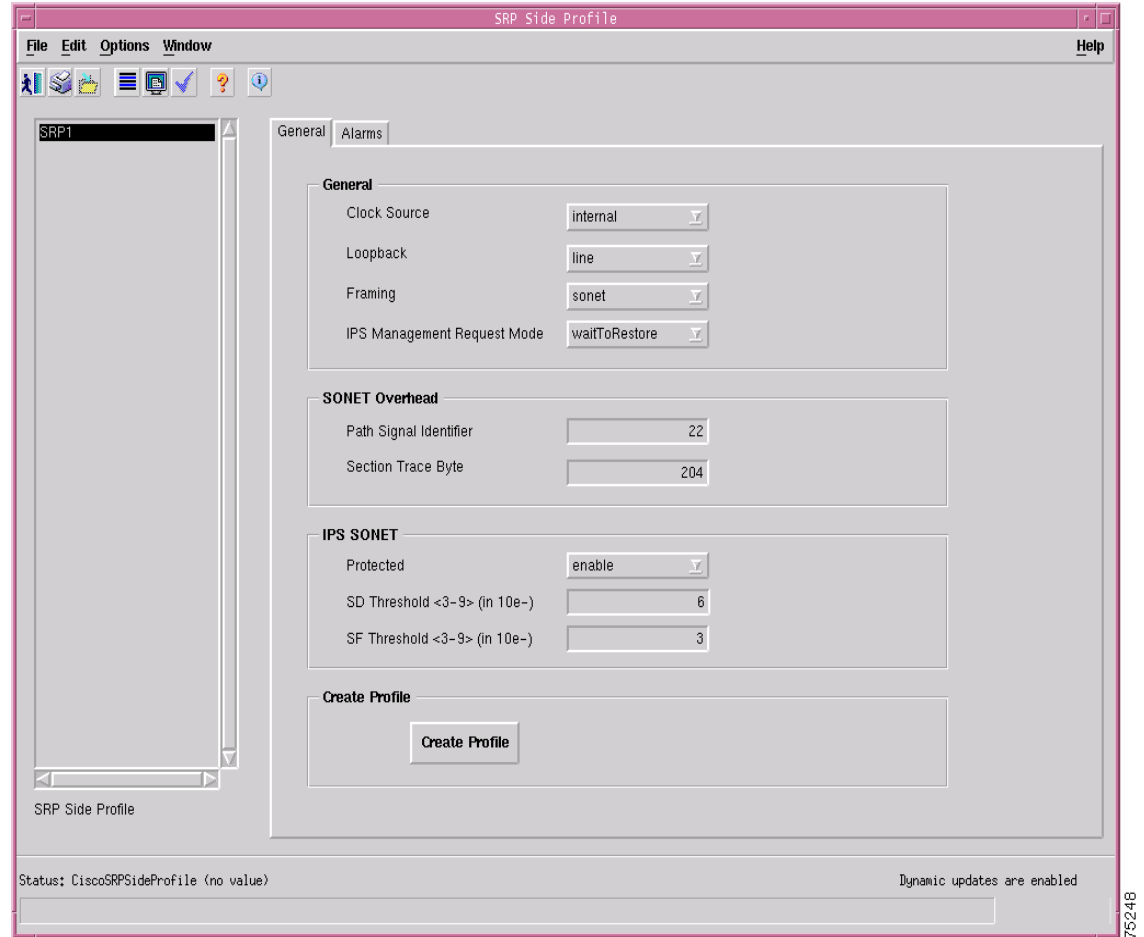
Create Profile—Choose **Create Profile** to create a new profile.

# Creating a SRP Side Profile

To create a SRP Side profile, proceed as follows:

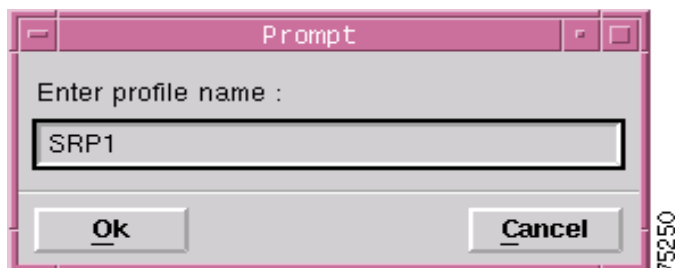
- Step 1** Choose the **C12kM Management>Physical>Interface>SRP>Side>Profile** option from a relevant object icon (in the Map Viewer window or from an object pick list). Refer to [Table 7-2 on page 7-2](#) for information on which objects allow you to launch the SRP Side Profile window.

**Figure 7-11 SRP Side Profile Window**



- Step 2** Choose **Create Profile**. A Prompt window appears (see [Figure 7-12](#)) for you to enter a name for your new profile.

Figure 7-12 Prompt Window



**Step 3** Enter a name for the new profile in the Enter Profile Name data entry box.

**Step 4** Choose **OK**.



**Note** Each profile created must have a unique name. Do not insert spaces into a profile name. When you choose a profile name, it is highly recommended to use a naming convention that describes the profile type. For example, an SRP Side profile could be named as Side01.

**Step 5** Modify the parameters in the tab as required. Refer to the “[SRP Side Profile Window – Detailed Description](#)” section for further details.



**Note** Choose the **Copy**, **Copy Page Configuration** and **Paste and Save Configuration** options in the **Edit** menu to cut and paste between different profiles. This is useful when you wish to copy configuration information from one profile to the next.

**Step 6** Choose **Save** from the **File** menu to save the parameters you have selected for your profile.

**Step 7** Choose **Close** from the **File** menu to close the window.



**Note** You have now created a profile for the SRP Side Interface.

## Editing an Existing SRP Side Profile

To edit an existing SRP Side Profile, proceed as follows:

**Step 1** Choose the **C12kM Management>Physical>Interface>SRP>Side>Profile** option from a relevant object icon to launch the SRP Side Profile window.

**Step 2** Choose the SRP Side Profile from the list displayed at the left side of the window.

**Step 3** Modify the parameters in the SRP Side Profile tab, as required.

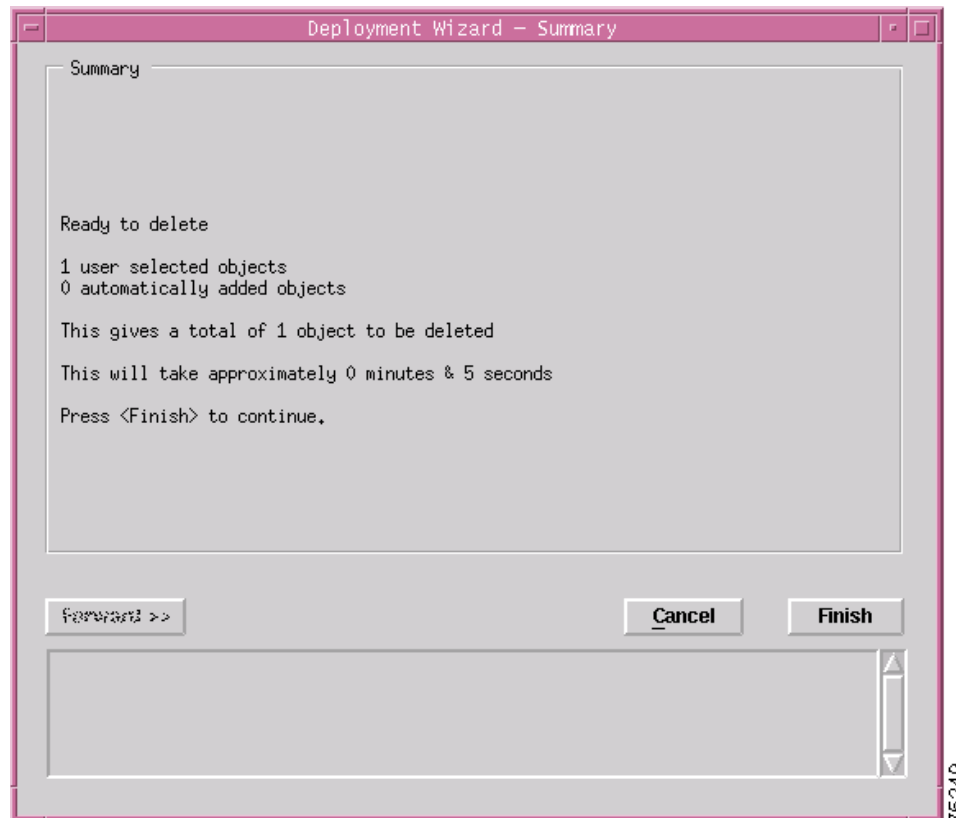
**Step 4** Click **Save** to save the changes.

## Deleting an Existing SRP Side Profile

To delete an existing SRP Side Profile, proceed as follows:

- Step 1** Choose the SRP Side Profile you wish to delete.
- Step 2** Choose the **Delete Profile** option from the **Edit** menu. Choose the profile you wish to delete from the list displayed. A summary window appears (see [Figure 7-13](#)) that summarizes the details of the profile.

**Figure 7-13** *Deployment Wizard Summary*



- Step 3** Choose **Finish** to delete the selected profile
- When a profile is deleted it disappears from the list of existing profiles displayed in the SRP Side Profile list at the left of the window.

## SRP Side Profile Window – Detailed Description

The SRP Side Profile window has two tabs namely: General, and Alarms

### General Tab

The General tab displays four panels: General, SONET Overhead, IPS SONET and Action.

## General

The General panel allows you to configure the following information:

**Clock Source** — Allows you to choose clock source from available options. It indicates the mode of the SRP clock source for SRP Side profile, which measures the speed of the device. This can either be internal (within the device) or Line (the network clock).

**Loopback** — Allows you to select the loopback mode. It indicates the loopback mode for the SRP Side profile. The available options are: Disabled, Internal or Line

**Framing** — Allows you to select SDH or SONET type framing. It indicates the framing mode of the side profile.

**IPS Management Request Mode** — Allows you to select the IPS management request mode for the side profile. The available options are: noRequest, forced-switch, manual-switch, waitToRestore, signalDegrade, and signalFail.

## SONET Overhead

**Path Signal Identifier** – Allow you to set the path signal identifier. The permissible values range from 0 to 255.

**Section Trace Byte** – Allows you to set the section trace byte. The permissible values are from 0 to 255.




---

**Note** If the device has pre-defined default values for the **Path Signal Identifier** and **Section Trace Byte** parameters, the same values are displayed in this area when the profile is created.

---

## IPS SONET

**Protected** – Allows you to select the Protected mode. The available options are: enable and disable

**SD Threshold <3-9> (in 10e-)** – Allows you to select the Signal Degrade threshold value in 10e-, between 3-9

**SF Threshold <3-9> (in 10e-)** – Allows you to select the Signal Fail BER threshold value in 10e-, between 3-9

## Action

**Create Profile** – Choose Create Profile to create a new SRP Side profile.

## Alarms Tab

The Alarms tab displays two panels: Reporting & Threshold, and Reporting

### Reporting and Threshold

The Alarm Reporting & Threshold panel allows you to configure the following information:

**B1 BER Threshold Crossing Alarm** – Allows you to enable/disable threshold limits for the system to prompt appropriate B1 BER Threshold alarm messages. (3-9)

**B2 BER Threshold Crossing Alarm** – Allows you to enable/disable threshold limits for the system to prompt appropriate B2 BER Threshold alarm messages.

B3 BER Threshold Crossing Alarm – Allows you to enable/disable threshold limits for the system to prompt appropriate B3 BER Threshold alarm messages.

Signal Degrade BER – Allows you to enable/disable threshold limits for the system to prompt appropriate Signal Degrade BER Threshold alarm messages

Signal Fail BER – Allows you to enable/disable threshold limits for the system to prompt appropriate Signal Fail BER Threshold alarm messages

B1 Threshold <3-9> (in 10e-) – Displays B1 BER threshold value in 10e-, between 3-9

B2 Threshold <3-9> (in 10e-) – Displays B2 BER threshold value in 10e-, between 3-9

B3 Threshold <3-9> (in 10e-) – Displays B3 BER threshold value in 10e-, between 3-9

SD Threshold <3-9> (in 10e-) – Displays Signal Degrade threshold value in 10e-, between 3-9

SF Threshold <3-9> (in 10e-) – Displays Signal Fail BER threshold value in 10e-, between 3-9

## Reporting

Section Loss of Frame Errors – Allows you to enable/disable the loss of panel errors alarm messages.

Section Loss of Signal Errors – Allows you to enable/disable the loss of signal errors alarm messages.

Line Alarm Indication Signal Errors – Allows you to enable/disable the line alarm indication signal errors alarm messages.

Line Remote Defect Indication Errors – Allows you to enable/disable the line remote defect indication errors alarm messages.

Path Loss of Pointer Errors – Allows you to enable/disable the path loss of pointer errors alarm messages.

Path Alarm Indication Signal Errors – Allows you to enable/disable the path alarm indication signal errors alarm messages.

Path Remote Defect Indication Errors – Allows you to enable/disable the path remote defect indication errors alarm messages.

