

Interface Profiles

The CGM software allows you to create and apply profiles to interfaces. 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 many interfaces, as applicable.

This chapter contains the following information:

- Creating an Interface Profile
- Applying an Interface Profile

Creating an Interface Profile

To open any type of interface profile window, proceed as follows:

Step 1 Right-click on a selected chassis object, then choose CGM Management>Physical>Interface, then go to the specific type of profile you wish to create, either: POS, HSRP (located under the IP menu), or ATM. Now go to Profile or Configuration Profile to select. One of the following windows appears.

Γ

-	POS Profile Di	alog			•
File Edit Options Window					Help
	'OS Config				
	General				
	POS SPE Scrambling Enabled	X	POS Framing	SDH <u>y</u>	
	Loopback Disabled	X	Encapsulation	HDLC <u>Y</u>	1
	Clock Source Internal	Y	Cyclic Redundancy Check	16 7	1
	Keepalive				
	SONET Overhead			-	-
	Path Signal Identifier		Payload Pointer Byte	<u>n</u>	
	Section Trace Byte				
	Alarm Reporting & Threshold B1 BER Threshold Crossing Alarm	\diamond	Threshold (in 10e-)]
	B2 BER Threshold Crossing Alarm	\diamond	Threshold (in 10e-)		
	B3 BER Threshold Crossing Alarm	\diamond	Threshold (in 10e-)]
	Signal Degrade BER	\diamond	Threshold (in 10e-)]
	Signal Fail BER	\diamond	Threshold (in 10e-)		
	Alarm Reporting Path Remote Defect Indication Errors	\diamond	Section Loss Of Signal Error	s 💠	
	Line Remote Defect Indication Errors	\diamond	LAIS on Interface Shutdown	\diamond	
	Line Alarm Indication Signal Errors	\diamond	Section Loss Of Frame Error	s 💠	
	Receive Data Out Of Lock Errors	\diamond	Path Loss Of Pointer Errors	\diamond	
	Path Alarm Indication Signal Errors	\diamond			
POS Profile	Action Create Profile				
			Dyn	amic updates are enabl	led
			23.		

Figure 6-1 POS Profile Window—POS Config Tab

For details on the configuration fields within this window, refer to the "POS/APS Interface Configuration" section on page 7-8.

-	HSRP IP Profile Dialog	· []		
File Edit Options Window Action	S	<u>H</u> elp		
1 🛯 🗁 🔳 💽 🖌 💡 🍳				
	-HSRP Profile Parameters			
	Group Number IP Address	□ • □		
	Standby Priority			
	Standby Authentication Enabled Z Authentication String			
	Standby Hello Time Standby Hold Time			
	Standby Pre-empt			
HSRP Profile	HSRP Action Create			
Dynamic updates are enabled				

Figure 6-2 HSRP IP Profile Window

For details on the configuration fields within this window, refer to the "IP Configuration" section on page 7-4.

	ATM Interfac	e Configuratio	n Profile			· [
Edit Options Window Actions	S					<u>H</u> elp
S 📥 🔳 🖬 🖌 💡 🍳]					
A	Configuration (1) Configuration	on (2)				
	ATM Configuration					
	Neighbor IP Address		.	Neighbor Interface Name		
	Interface Type	oiher	Y	UNI Type	public	Y
	ATM Interface Side	user	Y	UNI Signalling Version	nolApplicable	Y
	SVC UPC Intent	passing	T	Signalling Admin Status	enabled	I
	Address Type	nsap	Y	Well-known VC Mode	aulonatic	Y
	Loopback	no loopbacr	X	Transmit Queue Limit		
	Maximum VPCs			Maximum Active VPI Bits		
	Maximum VCCs			Maximum Active VCI Bits		
	Number of VCs per VP	18	X	NSAP Address		
TM interface	ILMI Configuration					
	Keepalive Time			VPI Value		
	Auto-Configuration	enebled	Y	VCI Value		
	Address Registration	enebied	X	Configuration	enabled	Y
	Action					
	Create Profile		-			
						I
				Dynamic updates are enabled		

Figure 6-3 ATM Interface Configuration Profile Window—Configuration (1) Tab

Not applicable for CGM

For details on the configuration fields within this window, refer to the "ATM Interface Configuration" section on page 7-14.

- **Step 2** Create a new profile in one of two ways, as follows:
 - **a.** To create a profile based on an existing profile, click the profile you want to model from the profile list box at left. Now follow the steps for creating a new profile.
 - **b**. To create a new profile, proceed as follows:
 - Click Create Profile.
 - Type in the new profile name, then click **Ok**.

<u>P</u> Tins

When you choose a profile name, it is highly 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.

- Fill in the required fields (for detailed descriptions on the fields within these tabs, refer to Chapter 7, "Interface Configuration.")
- Click the **Save** icon to save your changes.



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.

Applying an Interface Profile

You can apply an interface profile to any appropriate interface.

- Step 1 Right-click on a chassis object, then choose CGM Management>Physical>Interface>POS or IP or ATM>Configuration.
- **Step 2** Choose the interface you want to apply the profile to from the list box at left. For POS and IP profiles, you can select multiple interfaces by holding down Shift and selecting multiple profiles, then you can apply the same profile to them.
- Step 3 From the Edit menu, choose the Apply Profile option.
- **Step 4** Choose the relevant profile from the list of profiles. The configuration information stored in the profile is copied to the selected interface.
- **Step 5** Save the changes.

Deleting an Existing Interface Profile

To delete an existing Interface profile, follow these steps:

- Step 1 Right-click on a chassis object, then choose CGM Management>Physical>Interface>POS or IP or ATM>Configuration.
- **Step 2** Select the profile you wish to delete from the list of existing profiles displayed in the Interface list at the left-hand-side of the window.
- Step 3 Select the Delete Profile option from the Edit menu. Select the profile you wish to delete from the list displayed. A Deletion Prompt window appears for you to confirm that you wish to delete the selected profile.
- Step 4 Click Yes to delete the selected profile or click 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 Interface list at the left-hand-side of the window.