



# CHAPTER 6

## Configuring Port Settings

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In the PRI Port or BRI Port tabs, you can configure physical line settings for gateway ports. The following topics discuss the settings you can configure.

- [Configuring Basic Port Settings, page 6-1](#)
- [Configuring Port Physical Interface Settings, page 6-2](#)
- [Note About Advanced ISDN Settings for PRI Gateways, page 6-6](#)
- [Configuring Port Call Policies, page 6-13](#)
- [Configuring Port Supported Services, page 6-14](#)



### Note

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Some configuration options are unavailable in gateways that support only one PRI port.

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## Configuring Basic Port Settings

In the Basics section of the PRI Port or BRI Port tabs, you can configure basic settings for the specified port.



### Note

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(PRI gateways only) A frame alignment failure message will appear when you enable a port that is not in use (no cable is attached to the PRI line connector).

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### Procedure

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- Step 1** In the gateway interface, on the sidebar, click **Gateway** (if not already selected).
  - Step 2** Click the applicable PRI Port or BRI Port tab.
  - Step 3** Select the **Port enabled** check box to enable this port. For PRI gateways, if this setting is deselected, the CD LED light on the rear panel of the gateway is disabled.
  - Step 4** (PRI gateways only) In the Port phone numbers section, choose one of the following option buttons:
    - **Single Number**—Defines a single number for this PRI port. Enter a phone number in the field.
    - **Range**—In the two fields, enter a range of numbers for this PRI line. If the line has a range of numbers, you only need to enter the digits necessary to indicate the range. For example, if the phone numbers assigned to this line are 6775380 to 6775411, enter 380-411. You can type a maximum of 31 digits in each text field.

- Step 5** (PRI gateways only—optional) In the Local Area Code field, enter the local area code for the phone numbers. You can enter up to 16 digits.
- Step 6** (PRI gateways only—optional) Select the **Strip Local Area Code** check box if you want the gateway to strip local area codes for outbound calls to the ISDN network.



**Note** The type of line connected to this PRI or BRI port appears in the Physical standard field.

## Configuring Port Physical Interface Settings

This section describes the available configuration options for gateway ports.

- [PRI Ports, page 6-2](#)
- [BRI Ports, page 6-4](#)

### PRI Ports



**Note**

This section applies only to Cisco Unified Videoconferencing 3527 PRI Gateway.

In the Physical Interface section of the PRI Port tab, you can configure the physical line properties of the PRI port.

#### Procedure

- Step 1** In the gateway interface, on the sidebar, click **Gateway** (if not already selected).
- Step 2** Click the PRI Port tab.
- Step 3** Click the **Physical Interface** button.
- Step 4** Select the **Same as Port** check box if you want to duplicate physical interface settings from another PRI port that you choose from the field. When selected, you cannot modify any settings in this section. This option is not available in gateways that support only one PRI port.
- Step 5** In the Interface field, choose the line interface: T1 or E1.
- Step 6** In the Country field, choose the nation where the ISDN service is installed.
- Step 7** In the Signaling protocol field, choose the signaling protocol used to set up and tear down the calls through the signaling (D) channel. Depending on the interface used, different signaling protocols are available.
- Step 8** In the Network access field, choose the gateway national access type: TE (Terminal Equipment) or NT (Network Terminator) device.
- Step 9** In the Clock source field, choose the gateway clock source:
- Master (the gateway provides the clock signal)
  - Slave (the gateway receives the clock signal)
- Step 10** In the Line Build Out field, choose **Long Haul** or **Short Haul**.



**Note** You can configure this setting only if you select **Japan** in the Country field. Skip to step 4 otherwise.

#### Related Topics

- [Configuring Fractional Channels, page 6-3](#)
- [Configuring Line Coding, Framing and Signaling Type, page 6-3](#)

## Configuring Fractional Channels

In the Physical Interface section of the PRI Port tab, you can configure fractional channels as part of the physical line properties of the PRI port.

#### Procedure

- Step 1** In the gateway interface, on the sidebar, click **Gateway** (if not already selected).
- Step 2** Click the PRI Port tab.
- Step 3** Click the **Physical Interface** button.
- Step 4** Click **Fractional** to select fractional channels.
- Step 5** Select the **Fractional line** check box to enable the fractional selection of channels.
- Step 6** In the Select the channels field, select the check boxes for the individual channels you want to use for fractional E1 or T1 distribution. The table contains 24 check boxes for T1 or 31 check boxes for E1.



**Note** You cannot select channel 24 of the T1 settings and channel 16 of the E1 settings. These are reserved as the signaling (D) channels that are essential for communication.



**Note** You can click **Select All** to select all fractional channels or **Deselect All** to deselect all fractional channels.

- Step 7** Click **OK** to close the **Fractional** dialog box.

## Configuring Line Coding, Framing and Signaling Type

In the Physical Interface section of the PRI Port tab, you can configure coding, framing, and signaling type settings as part of the physical line properties of the PRI port.

#### Procedure

- Step 1** In the gateway interface, on the sidebar, click **Gateway** (if not already selected).
- Step 2** Click the PRI Port tab.

- Step 3** Click the **Physical Interface** button.
- Step 4** Click **Advanced** to configure line coding, framing, and signaling type.
- Step 5** In the Line coding field, choose the type of modulation used to encode the data.
- Step 6** In the Framing field, choose the framing and error detection method.




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**Note** The ESF CRC6JT framing option is available only if you select **Japan** in the Country field and Long Haul in the Line Build Out field.

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- Step 7** In the Signaling type field, choose the signaling type.
  - Step 8** Click **OK** to close the Advanced dialog box.
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## BRI Ports




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**Note** This section applies only to Cisco Unified Videoconferencing 3522 BRI Gateway.

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In the Physical Interface section of the BRI Port tabs, you can configure the physical line properties of the specified BRI port.

### Procedure

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- Step 1** In the gateway interface, on the sidebar, click **Gateway** (if not already selected).
- Step 2** Click the applicable BRI Port tab.
- Step 3** Click the **Physical Interface** button.
- Step 4** Select the **Same as Port** check box if you want to duplicate physical interface settings from another BRI port that you choose from the field. When selected, you cannot modify the Signaling Protocol or Country settings. This setting is selected by default.
- Step 5** In the Country field, choose the country where the ISDN service is installed.
- Step 6** In the Signaling Protocol field, choose the signaling protocol used to setup and tear down calls through the signaling (D) channel. Depending on the interface used, different signaling protocols are available for selection.
- Step 7** In the PCM Audio Format field, choose the desired G.711 audio standard: A-Low or U-Low.




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**Note** You can only configure this setting if you select **Taiwan** in the Country field. Skip to step 8 otherwise.

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- Step 8** In the Directory Numbers section, enter the phone numbers for the BRI line in the Number 1 and Number 2 fields.
- Step 9** Click **Advanced** to enable or disable alerting, Layer 1 line hunting, or configure a static Terminal Equipment Identifier (TEI).  
The Advanced dialog box appears.

- Step 10** Select the **Enable Alerting** check box for the gateway to connect a voice call that is not rejected (instead of sending alert messages to the caller).

The alerting feature is relevant for incoming voice calls routed directly to an endpoint (through DID) or to a default extension. When you select this option, the gateway sends an alert message to the dialing ISDN terminal if the call is not connected within a few seconds. This informs the ISDN terminal that the call is not yet connected to the local IP endpoint. As a result, the ISDN terminal continues to hear a ringing sound until the gateway connects to the call.



**Note** The gateway connects the call even if the endpoint on the local IP network has not yet accepted it. If the IP endpoint does not accept the call, the call is rejected and immediately disconnects from the ISDN terminal.

This setting is selected by default. Deselect it to prevent the gateway from sending an alert message.

- Step 11** Select the **Enable Layer 1 Line Hunting** check box if you do not want the gateway to hunt BRI lines whose Layer 1 is not activated. This setting is deselected by default.



**Note** In European networks, Layer 1 is usually only activated during a call. In such a system, Layer 1 line hunting is not effective and should not be enabled. However, when the gateway BRI port is connected to a private branch exchange (PBX) for some PBXs, Layer 1 always activates.

- Step 12** Select the **Enable static TEI** check box to configure a static TEI. TEI values are supplied by the telecom company. If you select this option, perform step 13. Otherwise, skip to step 14.



**Note** You can only configure this setting if you select **5ESS PTP** or **ETSI PTP** in the Signaling Protocol field of the Physical Interface section.

- Step 13** In the TEI Value (0-63) field, enter a value from 0 to 63 for this BRI line.

- Step 14** Click **OK** to upload your changes to the gateway database and close the Advanced dialog box.

#### Related Topics

- [Configuring Service Profile Identification \(SPID\) Values, page 6-5](#)

## Configuring Service Profile Identification (SPID) Values

In the Physical Interface section of the BRI Port tabs, you can configure Service Profile Identification (SPID) values as part of the physical line properties of the specified BRI port.

#### Procedure

- Step 1** In the gateway interface, on the sidebar, click **Gateway** (if not already selected).
- Step 2** Click the applicable BRI Port tab.
- Step 3** Click the **Physical Interface** button.

- Step 4** Click **SPIDs** to configure Service Profile Identification (SPID) values for this BRI line. The SPID value is provided by the telecom company and indicates which services a specified BRI line supports (for example, phone, fax, or videoconferencing facilities).



**Note** You can only configure SPID values if you select **DMS100**, **National ISDN**, or **5ESS Custom/Multipoint** options in the Signaling Protocol field of the Physical Interface section, and when the Country field is set to US. Skip to step 9 otherwise.

The SPIDs dialog box appears.

- Step 5** In the Number of SPIDs field, choose the required number of SPID values.
- Step 6** In the SPID 1 field, enter the first SPID value.
- Step 7** In the SPID 2 field, enter the second SPID value.
- Step 8** Click **OK** to upload these changes to the gateway database and close the SPIDs dialog box.



**Note** About Advanced ISDN Settings for PRI Gateways



**Note** This section applies only to Cisco Unified Videoconferencing 3527 PRI Gateway.

In the Advanced ISDN section of the PRI Port tab, you can view and configure ISDN settings for Cisco Unified Videoconferencing 3527 PRI Gateway. [Table 6-1](#) explains the information that this tab displays.

**Table 6-1** *Advanced ISDN Tab Details*

Column or Field	Description
Prefix	Displays the prefix of the advanced ISDN entry.
Description	Displays a brief description of the advanced ISDN entry.
NPI	Displays the Numbering Plan Identification (NPI) classification for the ISDN phone number.
TON	Displays the Type of Number (TON) code for the advanced ISDN entry.
NSF	Indicates whether the Network Specific Facility feature is enabled or disabled for the Advanced ISDN entry.
Max Digits	Displays the maximum number of digits allowed for outbound dialing.
DN Manipulation	Indicates whether advanced ISDN prefix number is enabled. For default prefix entries where TON is local, this field indicates whether the DN Manipulation setting is set to Append Local Area Code in the Add or Edit ISDN Information Elements dialog box (see the <a href="#">“Adding or Editing ISDN Information Elements”</a> section on page 6-11 for more information).
Total	Displays the total number of ISDN information elements currently listed in the gateway database.

The following topics discuss how you can configure Advanced ISDN Settings:

- [About NSF Settings, page 6-7](#)
- [Adding or Editing ISDN Information Elements, page 6-11](#)
- [Deleting ISDN Information Elements, page 6-13](#)



**Note**

You can select the **Same as Port** check box and select another PRI port to duplicate advanced ISDN settings from that port. When you select this option, you cannot make any edits to the configuration settings. This option is unavailable in gateway that support only one PRI port.

## About NSF Settings

The NSF Information Element (IE) feature enables system administrators to coordinate network and service requirements with service providers. Service providers supply the information that you enter in the NSF Configuration dialog box. System administrators can either select any of the pre-configured NSF settings, or choose to configure their own NSF Information Element using service provider information.

You can specify the following information in the NSF:

- The service providers with which you want their network to work.
- The specific network plan and equipment with which you want your network to work (for example, switches and bandwidth).
- The specific services available to their network (for example, 1-800 phone numbers).

Instructions are contained in the NSF IE fields of outgoing Q.931 setup messages in the format shown in [Figure 6-1](#).

**Figure 6-1 Network Specific Facility Information Element Format**

8	7	6	5	4	3	2	1	
0	0	1	0	0	0	0	0	Octet 1
Network Specific Facilities Information Element identifier								
Length of network specific facilities contents								Octet 2
Length of network identification								Octet 3
1 ext	Type of network identification			Network identification plan				Octet 3.1
0 spare	Network Identification (IA5 characters)							Octet 3.2
Parameterized/ Binary	1 Exp	Feature/ Service	Facility coding value					Octet 4
0 spare	Parameterized Field							Octet 5

NSF Information Elements contain a number of configurable Octet fields. The values entered in these fields represent instructions contained in outgoing Q.931 Setup messages. [Table 6-1](#) represents the format of such instructions. [Table 6-2](#) describes the function of each of the Octet fields.

Table 6-2 Octet Field Functions

Octet	Function
Octet 3	Octet 3 represents the total number of Octet 3.X fields required for the specific information element, including the Octet 3 field itself.
Octet 3.1	<p>Octet 3.1 is used to hold Numbering Plan Identification (NPI) and Type of Network (TON) values. The octet contains eight bits numbered from 1 to 8 and from right to left, so that Bit 1 is rightmost and Bit 8 is leftmost.</p> <p>The bits contain binary values representing the following functions:</p> <ul style="list-style-type: none"> <li>• Bits 1-4 = NPI</li> <li>• Bits 5-7 = TON</li> <li>• Bit 8 is always set to 1 when Octet 3.1 is used and populated.</li> </ul> <p><b>Note</b> The Numbering Plan Identification (NPI) and Type of Network (TON) fields appear in the Add ISDN Information Elements dialog box</p> <p>The standard NPI values are:</p> <ul style="list-style-type: none"> <li>• For an NPI setting of Unknown, the standard integer value is 0 and the standard binary value is 0.</li> <li>• For an NPI setting of ISDN/Public, the standard integer value is 1 and the standard binary value is 0001.</li> <li>• For an NPI setting of Private, the standard integer value is 9 and the standard binary value is 1001.</li> </ul> <p>The standard TON values are:</p> <ul style="list-style-type: none"> <li>• For a TON setting of unknown, the standard integer value is 0 and the standard binary value is 0.</li> <li>• For a TON setting of International, the standard integer value is 1 and the standard binary value is 0001.</li> <li>• For a TON setting of National, the standard integer value is 2 and the standard binary value is 0010.</li> <li>• For a TON setting of Network, the standard integer value is 3 and the standard binary value is 0011.</li> <li>• For a TON setting of Local, the standard integer value is 4 and the standard binary value is 0100.</li> </ul>
Octet 3.2	<p>Octet 3.2 is used to hold information including Carrier Identification Codes (CIC). A CIC is three-digit number used to access the switched services of a particular long-distance carrier from a local exchange line. All long-distance carriers, and many long-distance resellers, have their own unique CIC. One or more CIC codes are assigned to each carrier.</p> <p>Some examples of CIC are:</p> <ul style="list-style-type: none"> <li>• MCI VNET: 222</li> <li>• AT&amp;T Communications: 288</li> <li>• Sprint: 333</li> </ul>



**Table 6-2 Octet Field Functions (continued)**

Octet	Function
Octet 4	<p>Octet 4 is used to hold information representing coding values for features and services. Service providers supply the coding values.</p> <p>The octet contains eight bits numbered from 1 to 8 and from right to left, so that Bit 1 is rightmost and Bit 8 is leftmost.</p> <p>The bits contain values representing the following functions:</p> <ul style="list-style-type: none"> <li>• Bits 1-5=The binary Facility Coding Value for the specified feature or service.</li> <li>• Bit 6 indicates whether the facility is a feature or a service: <ul style="list-style-type: none"> <li>– 0=The requested facility is a feature.</li> <li>– 1=The requested facility is a service.</li> </ul> </li> <li>• Bit 7 is always set to 1</li> <li>• Bit 8 indicates whether the requested facility has associated parameters or is binary: <ul style="list-style-type: none"> <li>– 0=There are parameters associated with the requested facility and they are specified in Octet 5.</li> <li>– 1=The requested facility is a binary facility. There are no parameters.</li> </ul> </li> </ul>
Octet 5	<p>Octet 5 is used to hold information representing coding values for parameterized facilities.</p> <p>The octet contains eight bits numbered from 1 to 8 and from right to left, so that Bit 1 is rightmost and Bit 8 is leftmost.</p> <p>The bits contain values representing the following functions:</p> <ul style="list-style-type: none"> <li>• Bits 1-7 represents the parameterized field coding value.</li> <li>• Bit 8 is for future use.</li> </ul>

[Table 6-3](#) shows Octet 4 binary facility coding values for specified features when Bit 6 is set to 0.

[Table 6-4](#) shows binary facility coding values for specified services when Bit 6 is set to 1.

**Table 6-3 Feature Binary Facility Coding Values**

Bits					Feature
5	4	3	2	1	
0	0	0	0	1	Calling party number preferred
0	0	0	1	0	Billing number preferred
0	0	0	1	1	Calling party number only
0	0	1	0	0	Billing number only
0	0	1	0	1	Operator
0	0	1	1	0	Pre-subscribed Common Carrier Operator
0	0	1	1	1	Reserved
0	1	0	0	1	Call-Associated Temporary Signaling Connection (TSC)
0	1	0	1	0	Notification of Call-Associated TSC clearing
0	1	0	1	1	Reserved

**Table 6-3 Feature Binary Facility Coding Values**

Bits					Feature
5	4	3	2	1	
0	1	1	0	0	Reserved
1	0	0	0	0	Reserved

**Table 6-4 Service Binary Facility Coding Values**

Bits					Feature
5	4	3	2	1	
0	0	0	0	1	Software Defined Network (SDN). Includes Global SDN)
0	0	0	1	0	AT&T Megacom
0	0	0	1	1	AT&T Megacom
0	0	1	0	0	Reserved
0	0	1	0	1	Wide Area Telecommunications Service (WATS)
0	0	1	1	0	AT&T Accunet Switched Data Video Gateway (SDVG)
0	0	1	1	1	Long Distance Service
0	1	0	0	0	International 800 (1800)
0	1	0	0	1	Reserved
0	1	0	1	0	Reserved
0	1	0	1	1	Reserved
0	1	1	0	0	Reserved
1	0	0	0	0	Multiquest
1	0	0	0	1	Reserved
1	0	0	1	0	800
1	0	0	1	1	Test call
1	0	1	0	0	Inward Wide Area Telecommunications Service (INWATS)
1	0	1	0	1	SDN-K (Key Service Protection)
1	0	1	1	1	Call Redirection Service

Table 6-5 shows Octet 5 parameterized facility coding values.

**Table 6-5 Parameterized Field Binary Coding Values**

Bits							Parameterized Field
7	6	5	4	3	2	1	
0	0	0	0	0	0	1	Alternate handling on Ring/No Answer
0	0	0	0	1	1	0	Sponsor Flexible Rating (SFR)
0	0	0	1	1	0	0	Out-of-band triggers allowed—data allowed
0	0	0	1	1	0	1	Out-of-band triggers allowed—data not allowed

**Table 6-5** Parameterized Field Binary Coding Values

Bits							Parameterized Field
7	6	5	4	3	2	1	
0	0	0	1	1	1	0	Network Managed Data
0	0	0	1	1	1	1	Switched Data Video Gateway (SDVG) Service

## Adding or Editing ISDN Information Elements

### Procedure

- Step 1** In the gateway interface, on the sidebar, click **Gateway** (if not already selected).
- Step 2** Click the applicable PRI Port tab.
- Step 3** Click the **Advanced ISDN** button.
- Step 4** Click **Add** to add a new ISDN information element or select an existing one and click **Edit** to modify it. The Add or Edit ISDN Information Elements dialog box appears.
- Step 5** In the Prefix field, enter or edit the prefix for the ISDN information element. If you set this field to Default, it cannot be edited after you create the element.
- Step 6** In the Description field, enter or edit the description of the ISDN information element. If you set this field to Default, it cannot be edited after you create the element.
- Step 7** In the Numbering Plan Identification (NPI) field, choose an NPI code for the ISDN information element.
- Step 8** In the Type of Number (TON) field, choose a TON code for the ISDN information element.
- Step 9** In the Maximum digits send field, enter the number of digits (up to a maximum of 32) allowed for outbound dialing.
- Step 10** In the DN Manipulation field, you can configure the stripping of the ISDN information prefix number from the outbound dialed number.

The options in this field vary according to the options set in the Prefix and Type of Number (TON) fields. [Table 6-6](#) details the possible variations

**Table 6-6** DN Manipulation Option Variations

Prefix Field	Type of Number (TON) Field	DN Manipulation Options
Default	Local	None, Append Local Area Code
Default	Any except Local	None
Any except Default	Any	None, Strip Prefix

You are now ready to configure your required Network Specific Facility settings (see the [Configuring Network Specific Facility Settings](#), page 6-12).

## Configuring Network Specific Facility Settings

This section describes how to complete the procedure that you began in the [Adding or Editing ISDN Information Elements](#), page 6-11.

### Procedure

- Step 1** In the Network Specific Facility (NSF) field, make one of the following selections:
- Choose one of the pre-configured settings or choose **None** to not configure any NSF information elements. [Table 6-7](#) lists the pre-configured settings.

**Table 6-7** Pre-configured NSF Settings

Pre-configured Setting	Information Element (IE) Octets								
	IE 1 Octets						IE 2 Octets		
	3	3.1	3.2	3.2	3.2	4	3	4	5
AT&T Accunet	4	A1	32	38	38	E6			
AT&T Megacom	4	A1	32	38	38	E3			
AT&T Megacom 800	4	A1	32	38	38	E2			
AT&T SDDN	4	A1	32	38	38	E1			
AT&T Accunet + SDVG	4	A1	32	38	38	E6	0	49	0F
AT&T Megacom + SDVG	4	A1	32	38	38	E3	0	49	0F
AT&T Megacom 800 + SDVG	4	A1	32	38	38	E2	0	49	0F
AT&T SDDN + SDVG	4	A1	32	38	38	E1	0	49	0F
MCI VNET	4	A9	32	32	32	E1			
Sprint VPN	4	A9	33	33	33	E1			

—or—

- Choose **Custom**.
- Click **Configure**.

The NSF Configuration dialog box appears. You can configure up to four NSF information elements.



**Note** You can only configure the NSF information elements (NSF IEs) if you set the Interface field in the Physical Interface section of the PRI Port tab to T1 and set the Country field to US. All outgoing Q.931 setup messages will contain the NSF IE.

- Select the **Enable** check box.
- In the Octet 3 field, choose a value. When the value is greater than 0, that number of fields appears beneath the Octet 3 field. If this field is set to 0, the Octet 3.1 and Octets 3.2 fields are not available. If this field is set to 1, only the Octet 3.1 field is available.
- In the Octet field(s), choose settings.

- In the Type field, choose **Binary feature** or **Binary service** and then in the Facility Coding Value field, enter a value.

—or—

In the Type field, choose **Parameterized** and then in the Parameterized Field field, enter a value.

—or—

In the Type field, choose **Custom** and then in the Octet 4 and Octet 5 field (if applicable), enter a value.



**Note** When you select **Binary feature** or **Binary service** in the Type field, the Facility Coding Value field is for Octet 4, Bits 5-1. When you select Parameterized in the Type field, the Parameterized Field field is for Octet 5, Bits 7-1. When you select Custom in the Type field, the values entered in the Octet 4 or Octet 5 fields are not subject to bit restriction.

- Repeat step 1 for as many additional NSF information elements as necessary.

## Deleting ISDN Information Elements

In the Advanced ISDN section of the PRI Port tab, you can delete an ISDN information element.

### Procedure

- Step 1** In the gateway interface, on the sidebar, click **Gateway** (if not already selected).
- Step 2** Click the PRI Port tab.
- Step 3** Click the **Advanced ISDN** button.
- Step 4** Select an ISDN information element and click **Delete**.

## Configuring Port Call Policies

In the Call Policies section of the PRI Port or BRI Port tabs, you can configure the incoming call routing methods available in the gateway for each specified port. You can define each port with different settings.

### Procedure

- Step 1** In the gateway interface, on the sidebar, click **Gateway** (if not already selected).
- Step 2** Click the applicable PRI Port or BRI Port tab.
- Step 3** Click the **Call Policies** button.
- Step 4** Select the **Same as Port** check box to duplicate call policies settings from another gateway port that you choose from the field. When selected, you cannot modify any settings in this section. This option is unavailable in gateways that support only one PRI port.

- Step 5** In the Enable inbound routing methods section, you can select incoming call routing methods in the following order of priority:
- DID—When selected, enables Direct Inward Dialing to an endpoint.
  - TCS4—When selected, enables TCS4 dialing. This setting does not apply to voice calls.
  - IVR—When selected, enables the Interactive Voice Response operator.
  - Default extension—When selected, enables the use of the default extension number that you enter in the field.
- Step 6** Select the **Overlap Receiving** check box to enable overlap receiving functionality. In this functionality, the gateway can receive consecutive digits until the dialing is complete, instead of receiving the entire phone number as a block of digits. The gateway recognizes that an overlap receiving dialing is completed when it receives a fixed, predefined, incoming number of digits. If the gateway receives a complete indication notification from the switch (PSTN) or a timeout before all the digits have been dialed, the call might connect to a different address or rejected. If you select this setting, perform step 7, otherwise skip to step 8.
- Step 7** In the Incoming number of digits field, enter the number of digits you want the gateway to expect during overlap receiving. The gateway waits until this number of specified digits is received and then processes the whole number. You can enter any value up to 32.
- Step 8** In the Outgoing Calling Party Number field, enter a number that the gateway automatically provides if the calling IP network endpoint does not provide a calling party number. Valid digits are 0 through 9 You can enter up to 11 digits.
- 

## Configuring Port Supported Services

In the Supported Services section of the PRI Port or BRI Port tabs, you can enable or disable specific gateway services on each port. The Supported Services section displays the following information in table form:

- Prefix—Displays the prefix for this service.
- Description—Displays a brief description of the service.
- Call Type—Displays the call media type: Voice or Video.
- Bit Rate—Displays the maximum total bit rate allowed for this service.
- Support—Displays the status of the service: enabled or disabled.

### Procedure

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- Step 1** In the gateway interface, on the sidebar, click **Gateway** (if not already selected).
  - Step 2** Click the applicable PRI Port or BRI Port tab.
  - Step 3** Click the **Supported Services** button.
  - Step 4** Select the **Same as Port** check box if you want to duplicate settings from another gateway port that you choose from the field. When selected, you cannot modify any settings in this section. This option is unavailable in gateways that support only one PRI port.
  - Step 5** To enable or disable a service for this port, select it and click **Enable** or **Disable**.
-

