

Spectrum Enterprise SIP Trunking Service AsteriskNow V12 with Certified Asterisk R11.16.0 IP PBX Configuration Guide

About Spectrum Enterprise:

Spectrum Enterprise is a division of Charter Communications following a merger with Time Warner Cable and acquisition of Bright House Networks. Spectrum Enterprise is a national provider of scalable, fiber technology solutions. The Spectrum Enterprise portfolio includes networking and managed services solutions, including Internet access, Ethernet and Managed Network Services, Voice, TV and Cloud solutions. Our industry-leading team of experts works closely with clients to achieve greater business success.

About this document:

Spectrum Enterprise assures IP PBX compatibility by conducting interoperability testing to ensure any potential compatibility issues have been resolved prior to installation. Please review the IP PBX configuration instructions in this guide prior to your installation date.

Be advised that this document may contain references to Charter or Charter Business. All references to Charter should be read as Spectrum Enterprise.

Thank you,

Spectrum Enterprise

AsteriskNow V12 with Certified Asterisk R11.16.0 IP PBX Configuration Guide



1 Introduction

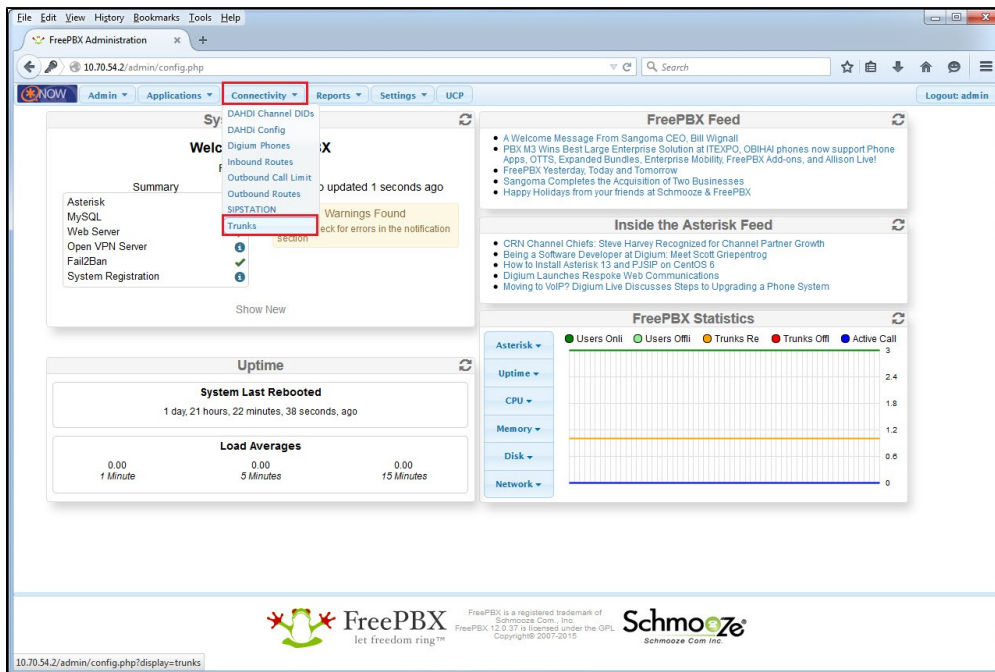
This document describes how to configure the AsteriskNOW Release v12 with Certified Asterisk v11.16.0 IP PBX to inter-operate with the Charter network. It does not provide any information for provisioning, configuring or using the features of the AsteriskNow . Please refer to the documentation provided with the IP PBX or contact the vendor.

2 Configuration

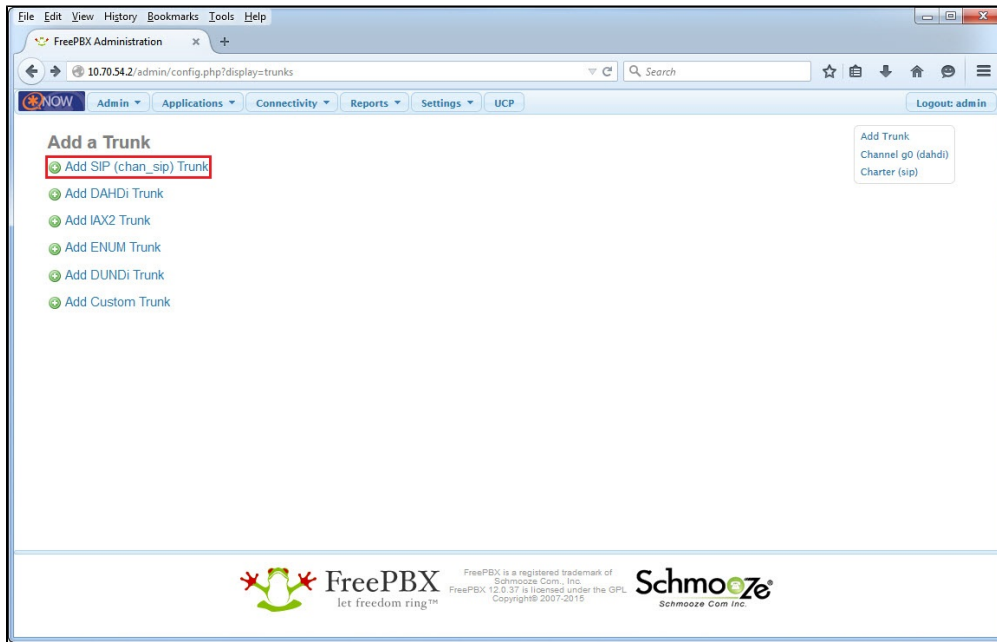
2.1 SIP Trunk Setup

To set up the SIP trunk, follow the step-by-step procedure.

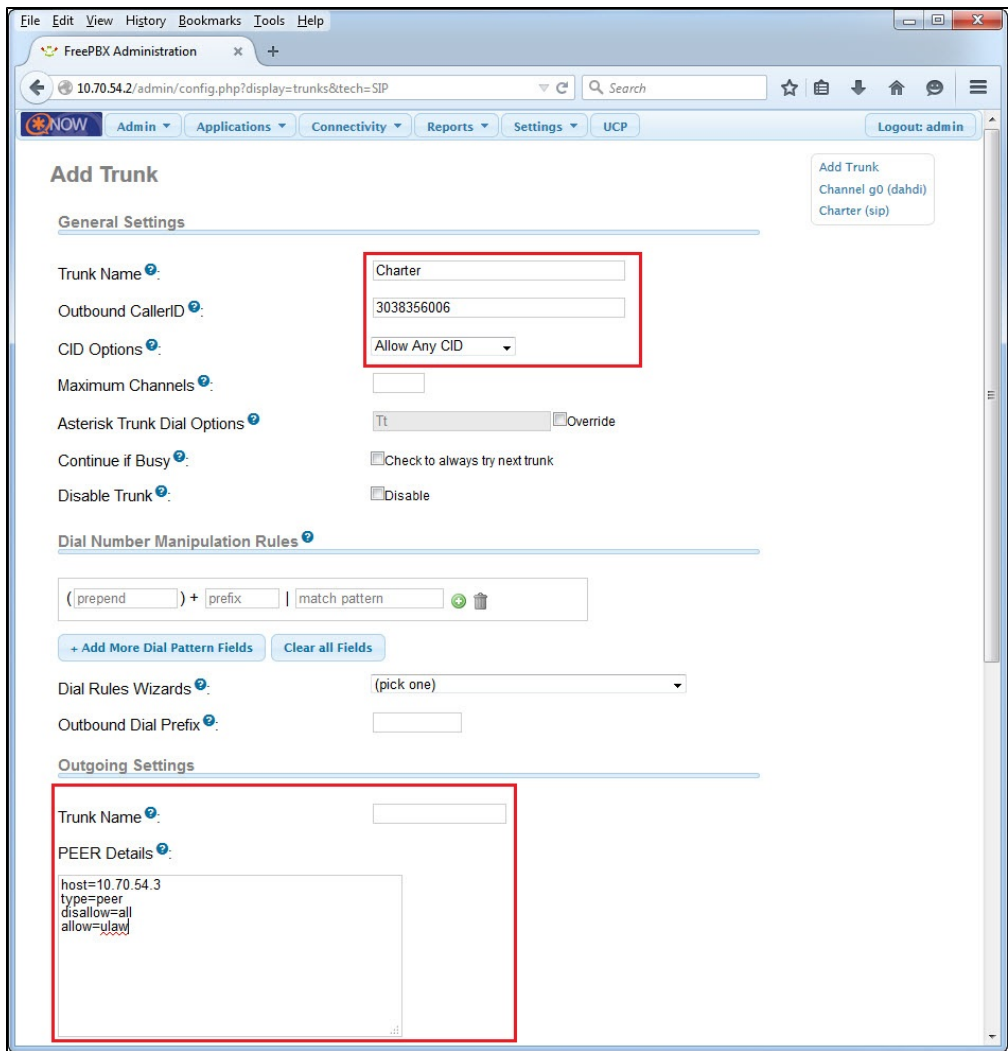
Step	Action	Result
1	Click on the Connectivity tab	
2	Select Trunks	Add a Trunk window opens
3	Go to the next table	



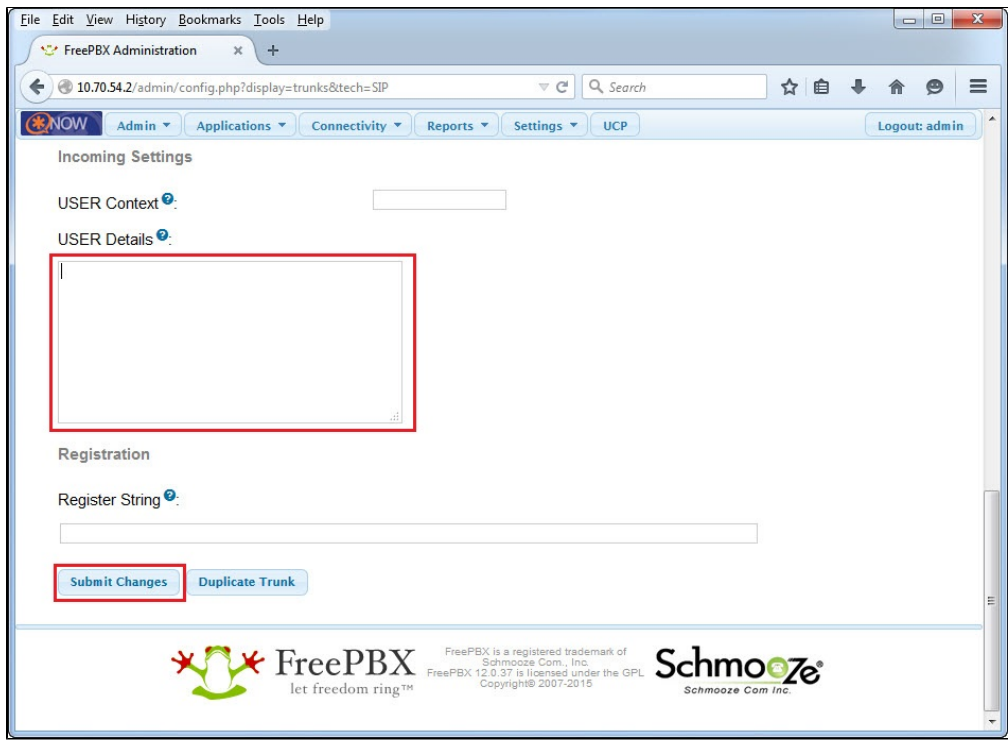
Step	Action	Result
1	Click the Add SIP (chan_sip) Trunk	General Settings window opens
2	Go to the next table	



Step	Action	Result				
1	At Trunk Name Enter Charter or another appropriate name					
2	At Outbound CallerID Enter BTN or Pilot DID for the site					
3	At CID Options Select Allow Any CID					
4	Under Outgoing Settings edit the following: <table border="1" data-bbox="212 1467 727 1644"> <tr> <td>Trunk Name</td> <td>Charter or another appropriate name</td> </tr> <tr> <td>Peer Details</td> <td> <ul style="list-style-type: none"> • host=10.70.54.3 • type=peer • disallow=allow • allow=ulaw,alaw </td> </tr> </table>	Trunk Name	Charter or another appropriate name	Peer Details	<ul style="list-style-type: none"> • host=10.70.54.3 • type=peer • disallow=allow • allow=ulaw,alaw 	
Trunk Name	Charter or another appropriate name					
Peer Details	<ul style="list-style-type: none"> • host=10.70.54.3 • type=peer • disallow=allow • allow=ulaw,alaw 					
5	Go to the next table					



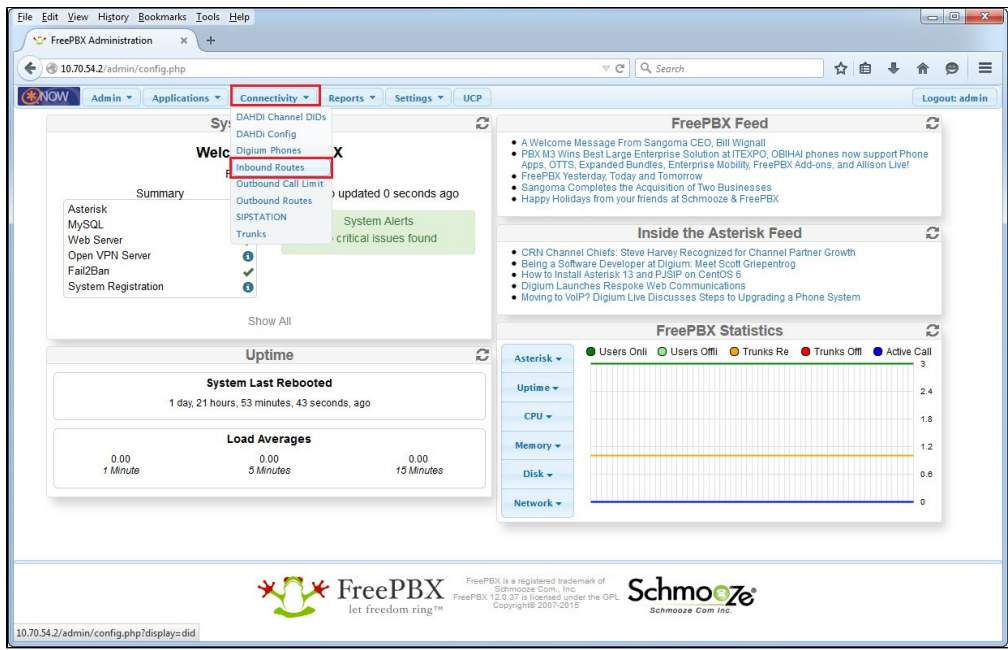
Step	Action	Result
1	Under User Details Remove default settings.	
2	Click Submit Changes button	
3	Procedure completed	



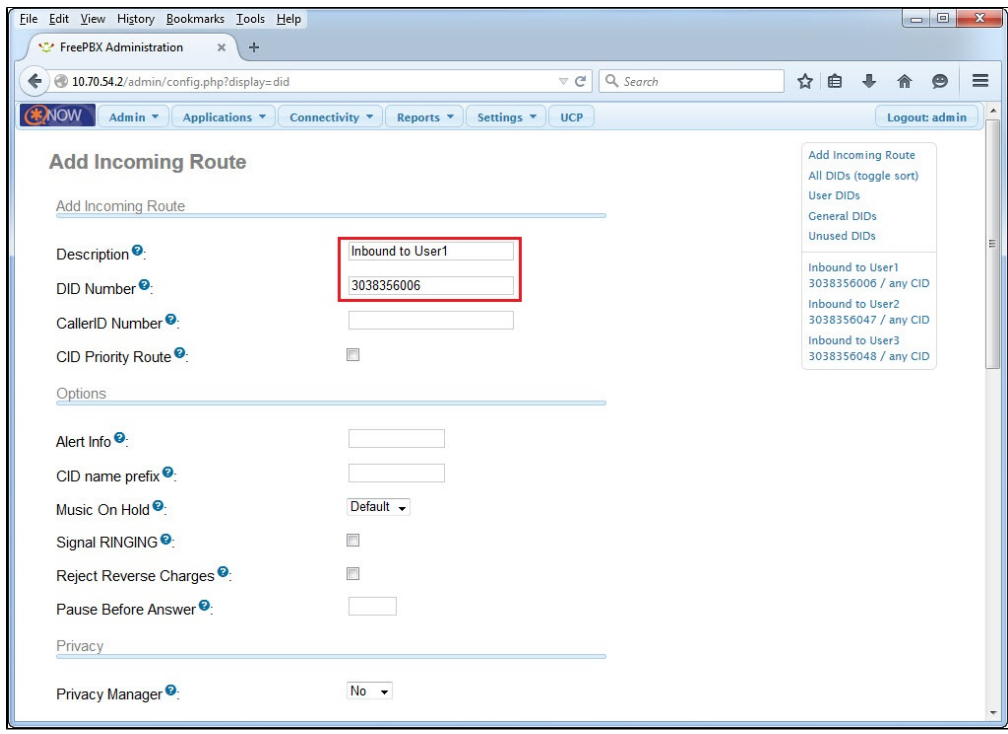
2.2 Inbound Routing Setup

To set up the inbound routing, follow the step-by-step procedure.

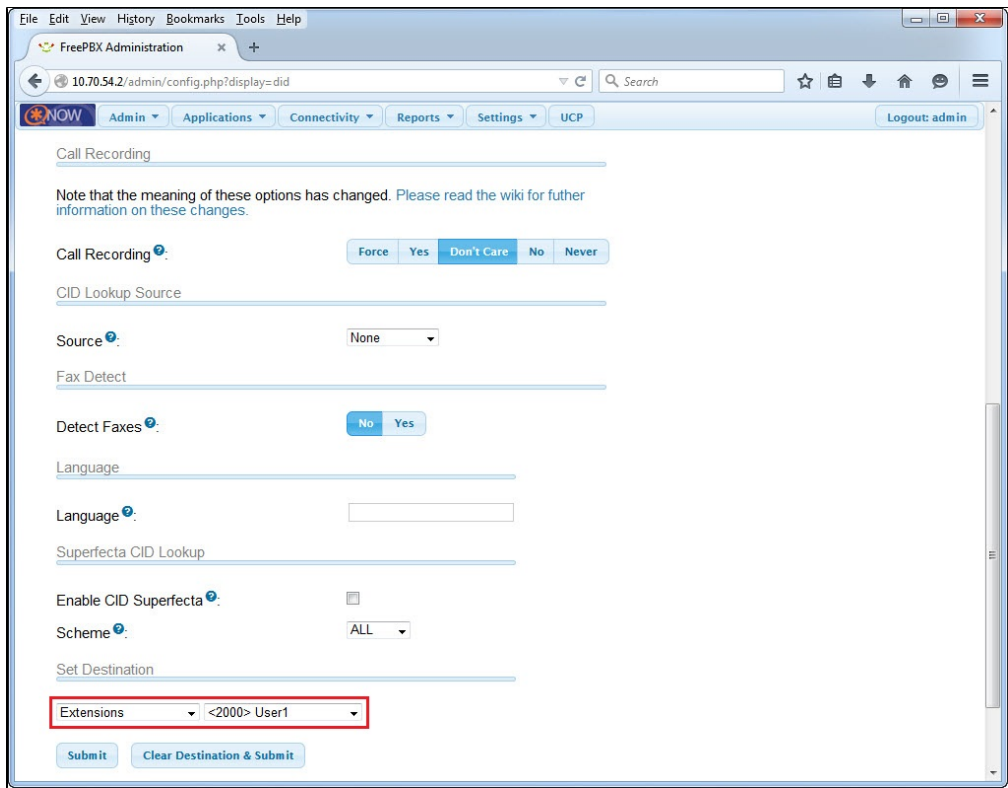
Step	Action	Result
1	Click on the Connectivity tab	
2	Select Inbound Routes	Add Incoming Route window opens
3	Go to the next table	



Step	Action	Result				
1	<p>In Add Incoming Route screen, edit the following parameters:</p> <table border="1"> <tr> <td>Description</td> <td>Enter a suitable phrase Inbound to User1 is used as an example</td> </tr> <tr> <td>DID Number</td> <td>Enter an appropriate DID assigned to the user</td> </tr> </table>	Description	Enter a suitable phrase Inbound to User1 is used as an example	DID Number	Enter an appropriate DID assigned to the user	
Description	Enter a suitable phrase Inbound to User1 is used as an example					
DID Number	Enter an appropriate DID assigned to the user					
2	Go to the next table					



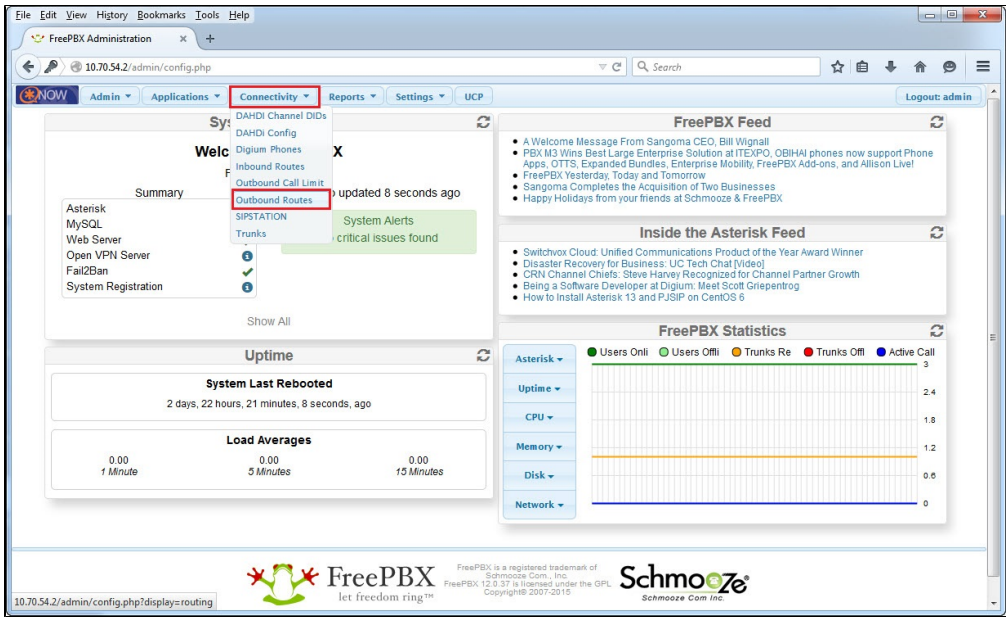
Step	Action	Result
1	Scroll down to Set Destination Select Extensions	
2	To assign Select the appropriate User	<2000> User1 is used as an example
3	Click the Submit button	
4	Procedure completed.	



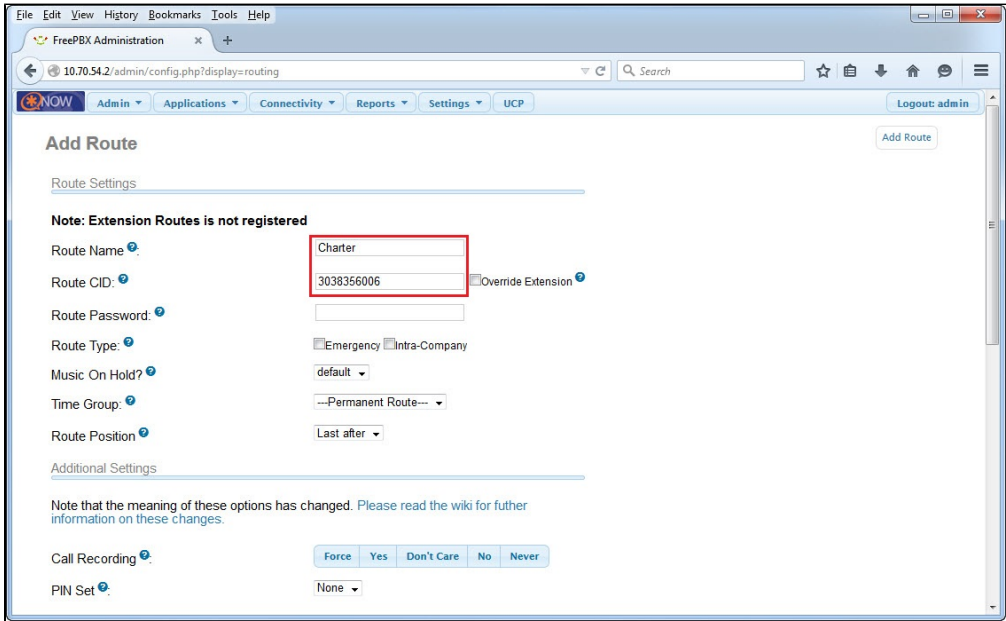
2.3 Outbound Routing Setup

To set up the outbound routing, follow the step-by-step procedure.

Step	Action	Result
1	Click the Connectivity tab	
2	Select Outbound Routes	Add Route window opens.
3	Go to the next table	

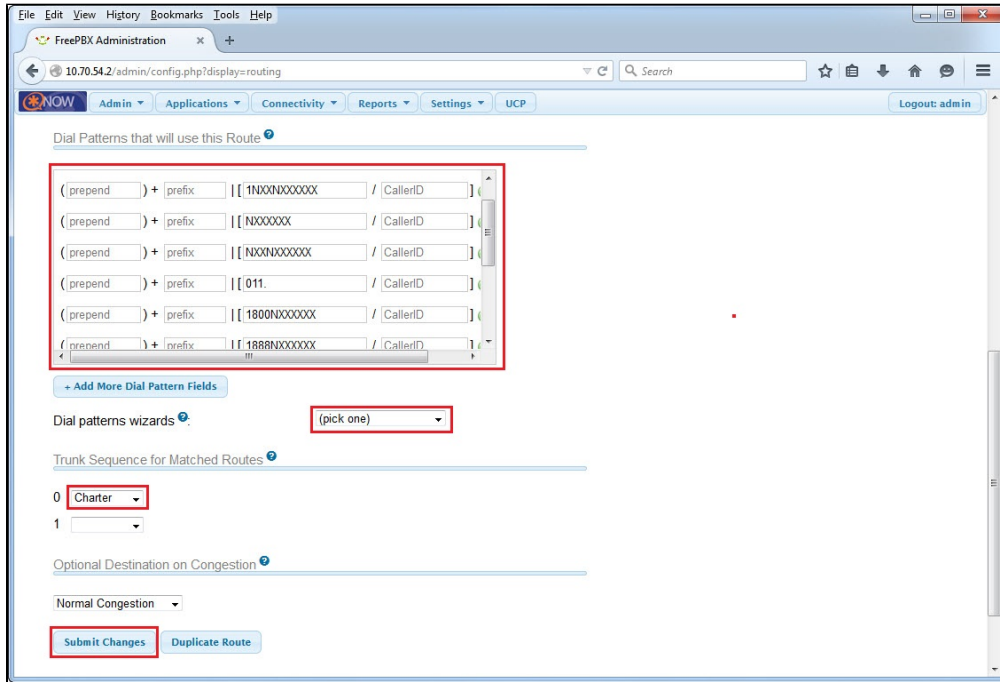


Step	Action	Result				
1	In the Add Route window edit the following: <table border="1" style="margin-left: 20px;"> <tr> <td>Route Name</td> <td>Enter the appropriate carrier name Charter is used as an example</td> </tr> <tr> <td>Route DID</td> <td>Enter the pilot DID number</td> </tr> </table>	Route Name	Enter the appropriate carrier name Charter is used as an example	Route DID	Enter the pilot DID number	
Route Name	Enter the appropriate carrier name Charter is used as an example					
Route DID	Enter the pilot DID number					
2	Go to the next table					



Step	Action	Result
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1	<p>Scroll down to Dial Patterns that will use this Route</p> <p>Edit the following parameters:</p> <table border="1" data-bbox="212 226 1094 373"> <tr> <td data-bbox="212 226 592 279">Dial Patterns</td> <td data-bbox="592 226 1094 279">Add dial patterns by using the Dial patterns wizards</td> </tr> <tr> <td data-bbox="212 279 592 373">Trunk Sequence for Matched Routes</td> <td data-bbox="592 279 1094 373"> Select the appropriate carrier Charter is used as an example </td> </tr> </table>	Dial Patterns	Add dial patterns by using the Dial patterns wizards	Trunk Sequence for Matched Routes	Select the appropriate carrier Charter is used as an example	
Dial Patterns	Add dial patterns by using the Dial patterns wizards					
Trunk Sequence for Matched Routes	Select the appropriate carrier Charter is used as an example					
2	Click the Submit Changes button	Edit Route window opens				
3	Go to the next table					



Step	Action	Result
1	Scroll to the top of the window. Click Apply Config button	Saves the changes made
2	Procedure completed.	

The screenshot shows the 'Edit Route' configuration page in the FreePBX Administration interface. The browser address bar shows the URL: 10.70.54.2/admin/config.php?display=routing&extdisplay=3. The page title is 'Edit Route' and it includes a 'Delete Route Charter' link. The 'Route Settings' section contains the following fields:

- Route Name: Charter
- Route CID: 038356006 (with an 'Override Extension' checkbox)
- Route Password: (empty)
- Route Type: Emergency (selected), Intra-Company
- Music On Hold?: default
- Time Group: --Permanent Route--
- Route Position: --No Change--

The 'Additional Settings' section includes:

- Call Recording: Force, Yes, Don't Care (selected), No, Never
- PIN Set: None

There is a note: 'Note: Extension Routes is not registered' and another note: 'Note that the meaning of these options has changed. Please read the wiki for further information on these changes.' There are also buttons for 'Add Route' and 'Charter' in the top right corner.



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