

SIP Trunking Configuration



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How To Use Your SIP Operator Account Via Ingate Firewall/SIParator®

This is how to configure your Firewall/SIParator to register at your SIP operator, and to use that SIP account for your local users.

This feature is *only available* when the *Advanced SIP Routing* or the *SIP Trunking* module has been installed.

Enter your SIP operator account on the **Local Registrar** page. You enter the username and password from the operator, and select the *XF/Register* account type. This account type will make the Firewall/SIParator register at the SIP operator with the credentials you enter.

Some operators don't require registration. In this case, select the *XF* account type instead.

You can select any network in the Register from field, as it is not used for these account types.

SIP Accounts (Help)							
Edit Row	Username	Domain	Authentication Name	Display Name	Password	Account Type	Delete Row
<input type="checkbox"/>	24285722	sipoperator.com	123456789			XF/Register	<input type="checkbox"/>
<input type="checkbox"/>	24285723	sipoperator.com	123456789			XF/Register	<input type="checkbox"/>
<input type="checkbox"/>	24285724	sipoperator.com	123456789			XF/Register	<input type="checkbox"/>
<input type="checkbox"/>	24285725	sipoperator.com	123456789			XF/Register	<input type="checkbox"/>

If the Firewall/SIParator should act as the registrar, define a local SIP domain. This can be any domain name you like, as long as it isn't an existing domain somewhere else. A good choice is to use your company www domain, but replace the "www" with "sip", like *sip.ingate.com*. The same domain can also be used in pure SIP-to-SIP calls.

This domain should be entered on the **Local Registrar** page under **SIP Traffic**.

SIP Methods	Filtering	Local Registrar	Authentication and Accounting	SIP Accounts	Dial Plan	Routing	SIP Status	IDS/IPS	IDS/IPS Status
Local SIP Domains (Help)									
Edit Row	Domain		Delete Row						
<input checked="" type="checkbox"/>	ingate.com		<input type="checkbox"/>						

Then, you define your local users in the **Local SIP User Database** table. These users will register on the Firewall/SIParator with the usernames you enter here. Enter also their passwords and select a network from which they are allowed to register.

Note that no local user can have the same username as any of your operator account names.

Local SIP User Database (Help)						
Edit Row	Username	Domain	Authentication Name	Password	Register From	Delete Row
<input type="checkbox"/>	arthur	ingate.com			All	<input type="checkbox"/>
<input type="checkbox"/>	harry	ingate.com			All	<input type="checkbox"/>
<input type="checkbox"/>	helen	ingate.com			All	<input type="checkbox"/>
<input type="checkbox"/>	mark	ingate.com			All	<input type="checkbox"/>
<input type="checkbox"/>	test	ingate.com			Office network	<input type="checkbox"/>

Go to the **Authentication and Accounting** page and turn authentication on. Also enter your SIP domain as the Realm.

SIP Methods	Filtering	Local Registrar	Authentication and Accounting	SIP Accounts	Dial Plan	Routing	SIP Status	IDS/IPS	IDS/IPS Status
-------------	-----------	-----------------	--------------------------------------	--------------	-----------	---------	------------	---------	----------------

SIP Authentication
<input checked="" type="radio"/> Enable SIP authentication
<input type="radio"/> Disable SIP authentication

SIP Realm
<input type="text" value="ingate.com"/>

Outgoing Calls

For outgoing calls, you have to define when your SIP operator account should be used. Usually, you use this type of account to call to the PSTN network ("ordinary telephones").

On the **Dial Plan** page, you define what type of calls should be redirected to your SIP operator. First, turn the Dial Plan on.

Use Dial Plan (Help)	Emergency Number (Help)
<input checked="" type="radio"/> On	<input type="text" value="911"/>
<input type="radio"/> Off	
<input type="radio"/> Fallback	

Show One Number When Calling

You can select to show one single calling number regardless of which user makes the call. This is useful when you want others to use your Answering service/Auto Attendant when calling back to you.

In the **Matching From Header** table, you define from which network the calls can come. You can also select what the From header (that tells who is calling) should look like. This is

used when matching requests in the **Dial Plan** table below. Name each definition properly, to make it easier to use further on.

Matching From Header (Help)							
Edit Row	Name	Use This ...		... Or This	Transport	Network	Delete Row
		Username	Domain	Reg Expr			
<input type="checkbox"/>	ingate	*	ingate.com		Any	-	<input type="checkbox"/>
<input type="checkbox"/>	Office	*	*		TCP or TLS	Office network	<input type="checkbox"/>

Add new rows rows.

In the **Matching Request-URI** table, you define callees. This is used when matching requests in the **Dial Plan** table below.

In this case, you want to define the calls that should be routed to your SIP operator, which is call destinations where the usernames consist of numbers only, as these most likely are intended to go to the PSTN network. Call destinations that look like *helen@sip.ingate.com* should not be routed via the SIP operator, but be handled by the Firewall/SIParator itself.

You can let users call international numbers with a + sign instead of the international prefix. For this, define the + sign as a **Prefix**, which means that it will be stripped before the call is forwarded.

The **Min. Tail** is set to 4 here, to open for the possibility of three-digit local extensions, which should not be handled by the **Dial Plan**.

Matching Request-URI (Help)								
Edit Row	Name	Use This ...					... Or This	Delete Row
		Prefix	Head	Tail	Min. Tail	Domain	Reg Expr	
<input type="checkbox"/>	External numbers			0..9	4	*local		<input type="checkbox"/>
<input type="checkbox"/>	International numbers	+		0..9	4	*local		<input type="checkbox"/>

In the **Forward To** table, you define where calls should be forwarded. This is used in the **Dial Plan** table below.

In this case, the calls should be forwarded to your SIP operator account that was defined before. You select the account under **Account**.

The calls can also be forwarded to your SIP operator using the operator's IP address in the **Replacement URI** field.

Forward To (Help)								
Edit Row	Name	Subno.	Use This ...	... Or This			... Or This	Delete Row
			Account	Replacement Domain	Port	Transport	Reg Expr	
<input type="checkbox"/>	+ SIP Operator	1	24285722@sipoperator.com				-	<input type="checkbox"/>

At last, you combine these definitions in the **Dial Plan** table. Make one line for international calls and one for other calls, because we need to add the international prefix for international calls only.

Dial Plan (Help)											
Edit Row	No.	From Header	Request-URI	Action	Forward To	Add Prefix		ENUM Root	Time Class	Comment	Delete Row
						Forward	ENUM				
<input type="checkbox"/>	1	Office	International numbers	Forward	SIP Operator	00		-	24/7	Change prefix for international calls	<input type="checkbox"/>
<input type="checkbox"/>	2	Office	External numbers	Forward	SIP Operator			-	24/7	External calls sent to operator	<input type="checkbox"/>

Now, when a local user calls an external phone number, the Firewall/SIParator will route this call to your SIP operator and rewrite the signaling to use your SIP operator account.

Show Different Numbers When Calling

You can select to show different calling numbers based on which user makes the call. This is useful when you want to let the called person use number presentation to see who is calling.

In the **Matching From Header** table, you define from which network the calls can come. You can also select what the From header (that tells who is calling) should look like. This is used when matching requests in the **Dial Plan** table below. Name each definition properly, to make it easier to use further on.

Create one row per user. These will be used to present the correct calling number for the called user.

Matching From Header (Help)							
Edit Row	Name	Use This ...		... Or This	Transport	Network	Delete Row
		Username	Domain	Reg Expr			
<input type="checkbox"/>	From Arthur	arthur	*local		Any	Office network	<input type="checkbox"/>
<input type="checkbox"/>	From Harry	harry	*local		Any	Office network	<input type="checkbox"/>
<input type="checkbox"/>	From Helen	helen	*local		Any	Office network	<input type="checkbox"/>
<input type="checkbox"/>	From Mark	mark	*local		Any	Office network	<input type="checkbox"/>

In the **Matching Request-URI** table, you define callees. This is used when matching requests in the **Dial Plan** table below.

In this case, you want to define the calls that should be routed to your SIP operator, which is call destinations where the usernames consist of numbers only, as these most likely are intended to go to the PSTN network. Call destinations that look like *helen@sip.ingate.com* should not be routed via the SIP operator, but be handled by the Firewall/SIParator itself.

You can let users call international numbers with a + sign instead of the international prefix. For this, define the + sign as a **Prefix**, which means that it will be stripped before the call is forwarded.

The **Min. Tail** is set to 4 here, to open for the possibility of three-digit local extensions, which should not be handled by the **Dial Plan**.

Matching Request-URI (Help)								
Edit Row	Name	Use This ...				... Or This		Delete Row
		Prefix	Head	Tail	Min. Tail	Domain	Reg Expr	
<input type="checkbox"/>	External numbers			0..9	4	*local		<input type="checkbox"/>
<input type="checkbox"/>	International numbers	+		0..9	4	*local		<input type="checkbox"/>

In the **Forward To** table, you define where calls should be forwarded. This is used in the **Dial Plan** table below.

In this case, calls from one user should be forwarded to the corresponding SIP operator account. Create one row per user and select the account under **Account**.

Forward To (Help)							
Edit Row	Name	Subno.	Use This ...		... Or This		Delete Row
			Account	Replacement Domain	Port	Transport		Reg Expr
<input type="checkbox"/>	Arthur PSTN	1	24285723@sipoperator.com			-	<input type="checkbox"/>
<input type="checkbox"/>	Harry PSTN	1	24285724@sipoperator.com			-	<input type="checkbox"/>
<input type="checkbox"/>	Helen PSTN	1	24285725@sipoperator.com			-	<input type="checkbox"/>
<input type="checkbox"/>	Mark PSTN	1	24285722@sipoperator.com			-	<input type="checkbox"/>

At last, you combine these definitions in the **Dial Plan** table. For each user, make one line for international calls and one for other calls, because we need to add the international prefix for international calls only.

Dial Plan (Help)											
Edit Row	No.	From Header	Request-URI	Action	Forward To	Add Prefix		ENUM Root	Time Class	Comment	Delete Row
						Forward	ENUM				
<input type="checkbox"/>	1	From Helen	International numbers	Forward	Helen PSTN	00		-	24/7	Change prefix for international calls.	<input type="checkbox"/>
<input type="checkbox"/>	2	From Helen	External numbers	Forward	Helen PSTN			-	24/7	External calls sent to operator.	<input type="checkbox"/>
<input type="checkbox"/>	3	From Arthur	International numbers	Forward	Arthur PSTN			-	24/7		<input type="checkbox"/>
<input type="checkbox"/>	4	From Arthur	External numbers	Forward	Arthur PSTN			-	24/7		<input type="checkbox"/>
<input type="checkbox"/>	5	From Harry	International numbers	Forward	Harry PSTN			-	24/7		<input type="checkbox"/>
<input type="checkbox"/>	6	From Harry	External numbers	Forward	Harry PSTN			-	24/7		<input type="checkbox"/>
<input type="checkbox"/>	7	From Mark	International numbers	Forward	Mark PSTN			-	24/7		<input type="checkbox"/>
<input type="checkbox"/>	8	From Mark	External numbers	Forward	Mark PSTN			-	24/7		<input type="checkbox"/>

Now, when a local user calls an external phone number, the Firewall/SIParator will route this call to your SIP operator and rewrite the signaling to use your SIP operator account.

Incoming Calls

If your SIP account provides several phone numbers, you can assign separate numbers for your local users. You do that on the **Routing** page.

There are two different ways of mapping phone numbers to users; either the PSTN numbers are mapped to users or the users are given numbers as aliases. The latter only works when the Advanced SIP Routing module has been installed and the SIP operator does not require registration.

In the **User Routing** table, you can select a local user and assign a SIP operator phone number as an Alias for that user. This will only work when the Advanced SIP Routing module has been installed and the SIP operator does not require registration.

User Routing (Help)									
Edit Row	User	Alias	Restrict Incoming Callers	Forward		Send To Voice Mail	Time Class	Comment	Delete Row
				Action	To				
<input type="checkbox"/>	arthur@sip.ingate.com	24285723	No	-		-	-		<input type="checkbox"/>
<input type="checkbox"/>	harry@sip.ingate.com	24285724	No	-		-	-		<input type="checkbox"/>
<input type="checkbox"/>	helen@sip.ingate.com	24285725	No	-		-	-		<input type="checkbox"/>
<input type="checkbox"/>	mark@sip.ingate.com	24285722	No	-		-	-		<input type="checkbox"/>

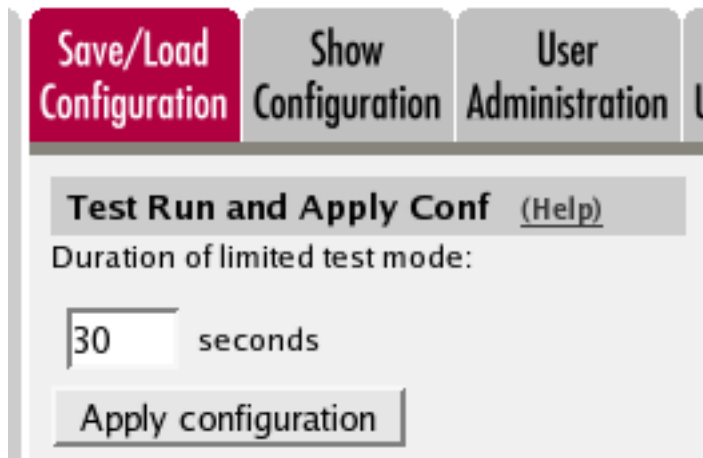
You can also select each phone number, and enter which user calls should be forwarded to.

User Routing (Help)									
Edit Row	User	Alias	Restrict Incoming Callers	Forward		Send To Voice Mail	Time Class	Comment	Delete Row
				Action	To				
<input type="checkbox"/>	24285722@sipoperator.com		No	Forward	mark@sip.ingate.com	-	-		<input type="checkbox"/>
<input type="checkbox"/>	24285723@sipoperator.com		No	Forward	arthur@sip.ingate.com	-	-		<input type="checkbox"/>
<input type="checkbox"/>	24285724@sipoperator.com		No	Forward	harry@sip.ingate.com	-	-		<input type="checkbox"/>
<input type="checkbox"/>	24285725@sipoperator.com		No	Forward	helen@sip.ingate.com	-	-		<input type="checkbox"/>

Now, when someone calls 34382753, the call will be routed from the SIP operator to the Firewall/SIPoperator and finally to *harry@sip.ingate.com*.

Note that you can only use the **User Routing** table for incoming call forwarding. The **Static Registrations** should not be used when XF or XF/Register accounts are involved.

Finally, go to the **Save/Load Configuration** page under **Administration** and apply the new settings by pressing **Apply configuration**.



How To Use Your SIP Operator Account and Your IP-PBX Via Ingate Firewall/SIParator®

This is how to configure your Firewall/SIParator to forward requests between your SIP operator and your local IP-PBX.

The configuration varies slightly depending on if the operator uses accounts or IP addresses for the authentication.

This feature is *only available* when the *Advanced SIP Routing* or the *SIP Trunking* module has been installed.

Instead of configuring this manually, you can use the Ingate Startup Tool, which can be found at http://www.ingate.com/Startup_Tool_TG.php.

Outgoing Calls

Authentication by Accounts a.k.a SIP Trunk via SIP accounts

Enter your SIP operator account on the **Local Registrar** page. You enter the username and password from the operator, and select the *XF/Register* account type. This account type will make the Firewall/SIParator register at the SIP operator with the credentials you enter.

Some operators don't require registration. In this case, select the *XF* account type instead.

You can select any network in the Register from field, as it is not used for these account types.

SIP Accounts (Help)							
Edit Row	Username	Domain	Authentication Name	Display Name	Password	Account Type	Delete Row
<input type="checkbox"/>	24285722	sipoperator.com	123456789			XF/Register	<input type="checkbox"/>
<input type="checkbox"/>	24285723	sipoperator.com	123456789			XF/Register	<input type="checkbox"/>
<input type="checkbox"/>	24285724	sipoperator.com	123456789			XF/Register	<input type="checkbox"/>
<input type="checkbox"/>	24285725	sipoperator.com	123456789			XF/Register	<input type="checkbox"/>

For outgoing calls, you have to define when your SIP operator account should be used. Usually, you use this type of account to call to the PSTN network ("ordinary telephones").

On the **Dial Plan** page, you define what type of calls should be redirected to your SIP operator. First, turn the Dial Plan on.

Use Dial Plan (Help)	Emergency Number (Help)
<input checked="" type="radio"/> On <input type="radio"/> Off <input type="radio"/> Fallback	<input type="text" value="911"/>

In the **Matching From Header** table, you define from which network the calls can come. You can also select what the From header (that tells who is calling) should look like. This is used when matching requests in the **Dial Plan** table below. Name each definition properly, to make it easier to use further on.

In this case, we want to match on calls coming from the IP-PBX. This will ensure that only users who have been authorized by the PBX to use the SIP trunk will be able to make outgoing calls.

Matching From Header (Help)							
Edit Row	Name	Use This ...		... Or This	Transport	Network	Delete Row
		Username	Domain	Reg Expr			
<input type="checkbox"/>	IP-PBX	*	*		Any	IP-PBX	<input type="checkbox"/>

In the **Matching Request-URI** table, you define callees. This is used when matching requests in the **Dial Plan** table below.

In this case, you want to define the calls that should be routed to your SIP operator, which is call destinations where the usernames consist of numbers only, as these most likely are intended to go to the PSTN network. Call destinations that look like *helen@sip.ingate.com* should not be routed via the SIP operator, but be handled by the Firewall/SIParator itself.

You can let users call international numbers with a + sign instead of the international prefix. For this, define the + sign as a **Prefix**, which means that it will be stripped before the call is forwarded.

The **Min. Tail** is set to 4 here, to open for the possibility of three-digit local extensions, which should not be handled by the **Dial Plan**.

Matching Request-URI (Help)								
Edit Row	Name	Use This ...					... Or This	Delete Row
		Prefix	Head	Tail	Min. Tail	Domain	Reg Expr	
<input type="checkbox"/>	External numbers			0..9	4	*local		<input type="checkbox"/>
<input type="checkbox"/>	International numbers	+		0..9	4	*local		<input type="checkbox"/>

In the **Forward To** table, you define where calls should be forwarded. This is used in the **Dial Plan** table below.

In this case, the calls should be forwarded to your SIP operator account that was defined before. You select the account under **Account**.

The calls can also be forwarded to your SIP operator using the operator's IP address in the **Replacement URI** field.

Forward To (Help)								
Edit Row	Name	Subno.	Use This ...	... Or This			... Or This	Delete Row
			Account	Replacement Domain	Port	Transport	Reg Expr	
<input type="checkbox"/>	+ SIP Operator	1	24285722@sipoperator.com			-		<input type="checkbox"/>

At last, you combine these definitions in the **Dial Plan** table. Make one line for international calls and one for other calls, because we need to add the international prefix for international calls only.

Dial Plan (Help)											
Edit Row	No.	From Header	Request-URI	Action	Forward To	Add Prefix		ENUM Root	Time Class	Comment	Delete Row
						Forward	ENUM				
<input type="checkbox"/>	1	From Helen	International numbers	Forward	Helen PSTN	00		-	24/7	Change prefix for international calls.	<input type="checkbox"/>
<input type="checkbox"/>	2	From Helen	External numbers	Forward	Helen PSTN			-	24/7	External calls sent to operator.	<input type="checkbox"/>
<input type="checkbox"/>	3	From Arthur	International numbers	Forward	Arthur PSTN			-	24/7		<input type="checkbox"/>
<input type="checkbox"/>	4	From Arthur	External numbers	Forward	Arthur PSTN			-	24/7		<input type="checkbox"/>
<input type="checkbox"/>	5	From Harry	International numbers	Forward	Harry PSTN			-	24/7		<input type="checkbox"/>
<input type="checkbox"/>	6	From Harry	External numbers	Forward	Harry PSTN			-	24/7		<input type="checkbox"/>
<input type="checkbox"/>	7	From Mark	International numbers	Forward	Mark PSTN			-	24/7		<input type="checkbox"/>
<input type="checkbox"/>	8	From Mark	External numbers	Forward	Mark PSTN			-	24/7		<input type="checkbox"/>

Now, when a local user calls an external phone number, the Firewall/SIParator will route this call to your SIP operator and rewrite the signaling to use your SIP operator account.

Authentication by IP Addresses a.k.a SIP Trunk via IP address

On the **Dial Plan** page, you define what type of calls should be redirected to your SIP operator. First, turn the Dial Plan on.

Use Dial Plan (Help)	Emergency Number (Help)
<input checked="" type="radio"/> On <input type="radio"/> Off <input type="radio"/> Fallback	<input type="text" value="911"/>

In the **Matching From Header** table, you define from which network the calls can come. You can also select what the From header (that tells who is calling) should look like. This is used when matching requests in the **Dial Plan** table below. Name each definition properly, to make it easier to use further on.

Matching From Header (Help)							
Edit Row	Name	Use This ...		... Or This	Transport	Network	Delete Row
		Username	Domain	Reg Expr			
<input type="checkbox"/>	Ingate	*	ingate.com		Any	-	<input type="checkbox"/>
<input type="checkbox"/>	Office	*	*		TCP or TLS	Office network	<input type="checkbox"/>

Add new rows rows.

In the **Matching Request-URI** table, you define callees. This is used when matching requests in the **Dial Plan** table below.

In this case, you want to define the calls that should be routed to your SIP operator, which is call destinations where the usernames consist of numbers only, as these most likely are intended to go to the PSTN network. Call destinations that look like *helen@sip.ingate.com* should not be routed via the SIP operator, but be handled by the Firewall/SIParator itself.

You can let users call international numbers with a + sign instead of the international prefix. For this, define the + sign as a **Prefix**, which means that it will be stripped before the call is forwarded.

The **Min. Tail** is set to 4 here, to open for the possibility of three-digit local extensions, which should not be handled by the **Dial Plan**.

Matching Request-URI (Help)								
Edit Row	Name	Use This ...					... Or This	Delete Row
		Prefix	Head	Tail	Min. Tail	Domain	Reg Expr	
<input type="checkbox"/>	External numbers			0..9	4	*local		<input type="checkbox"/>
<input type="checkbox"/>	International numbers	+		0..9	4	*local		<input type="checkbox"/>

In the **Forward To** table, you define where calls should be forwarded. This is used in the **Dial Plan** table below.

In this case, the calls should be forwarded to your SIP operator account that was defined before. You select the account under **Account**.

The calls can also be forwarded to your SIP operator using the operator's IP address in the **Replacement URI** field.

Forward To (Help)								
Edit Row	Name	Subno.	Use This ...	... Or This			... Or This	Delete Row
			Account	Replacement Domain	Port	Transport	Reg Expr	
<input type="checkbox"/>	+ SIP Operator	1	-	202.202.202.202		-		<input type="checkbox"/>

At last, you combine these definitions in the **Dial Plan** table. Make one line for international calls and one for other calls, because we need to add the international prefix for international calls only.

Dial Plan (Help)											
Edit Row	No.	From Header	Request-URI	Action	Forward To	Add Prefix		ENUM Root	Time Class	Comment	Delete Row
						Forward	ENUM				
<input type="checkbox"/>	1	IP-PBX	International numbers	Forward	SIP Operator	00		-	24/7	Change prefix for international calls.	<input type="checkbox"/>
<input type="checkbox"/>	2	IP-PBX	External numbers	Forward	SIP Operator			-	24/7	External calls sent to operator.	<input type="checkbox"/>

Now, when a local user calls an external phone number, the Firewall/SIParator will route this call to your SIP operator and rewrite the signaling to use your SIP operator account.

Incoming Calls

All incoming calls from the operator should be forwarded to the PBX. This is done on the **Dial Plan** page.

On the **Dial Plan** page, you define what type of calls should be redirected to your SIP operator. First, turn the Dial Plan on.

Use Dial Plan (Help)	Emergency Number (Help)
<input checked="" type="radio"/> On <input type="radio"/> Off <input type="radio"/> Fallback	<input type="text" value="911"/>

In the **Matching From Header** table, you define from which network the calls can come. You can also select what the From header (that tells who is calling) should look like. This is used when matching requests in the **Dial Plan** table below. Name each definition properly, to make it easier to use further on.

In this case, we only need to define the operator by its sending network.

Matching From Header (Help)							
Edit Row	Name	Use This ...		... Or This	Transport	Network	Delete Row
		Username	Domain	Reg Expr			
<input type="checkbox"/>	SIP Operator	*	*		Any	SIP Operator	<input type="checkbox"/>

In the **Matching Request-URI** table, you define callees. This is used when matching requests in the **Dial Plan** table below.

In this case, you want to define the calls that should be routed to your PBX, which is call destinations where the usernames consist of numbers only. For extra matching, enter the outside IP address of the Firewall/SIParator, which the operator will be using.

Matching Request-URI (Help)								
Edit Row	Name	Use This ...				... Or This		Delete Row
		Prefix	Head	Tail	Min. Tail	Domain	Reg Expr	
<input type="checkbox"/>	Incoming calls			0..9	4	193.12.253.115		<input type="checkbox"/>

In the **Forward To** table, you define where calls should be forwarded. This is used in the **Dial Plan** table below.

In this case, the calls should be forwarded to your SIP operator account that was defined before. You select the account under **Account**.

Enter the IP address of the IP-PBX in the **Replacement URI** field. This will make the Firewall/SIParator replace the domain part in the incoming call with this IP address. The username part of the URI will be kept.

Forward To (Help)							
Edit Row	Name	Subno.	Use This ...	... Or This			Delete Row
			Account	Replacement Domain	Port	Transport		Reg Expr
<input type="checkbox"/>	+ PBX	1	-	10.47.2.77		-	<input type="checkbox"/>

At last, you combine these definitions in the **Dial Plan** table. Select the operator and the Request-URI, and forward to the PBX.

Dial Plan (Help)											
Edit Row	No.	From Header	Request-URI	Action	Forward To	Add Prefix		ENUM Root	Time Class	Comment	Delete Row
						Forward	ENUM				
<input type="checkbox"/>	1	SIP Operator	Incoming calls	Forward	PBX			-	24/7		<input type="checkbox"/>

Finally, go to the **Save/Load Configuration** page under **Administration** and apply the new settings by pressing **Apply configuration**.

Save/Load Configuration
Show Configuration
User Administration

Test Run and Apply Conf [\(Help\)](#)

Duration of limited test mode:

seconds

Apply configuration