

Application Note



Product: 9d24 MkII and UNITE
Purpose: Push To Talk solution
Date: 4/23/2008

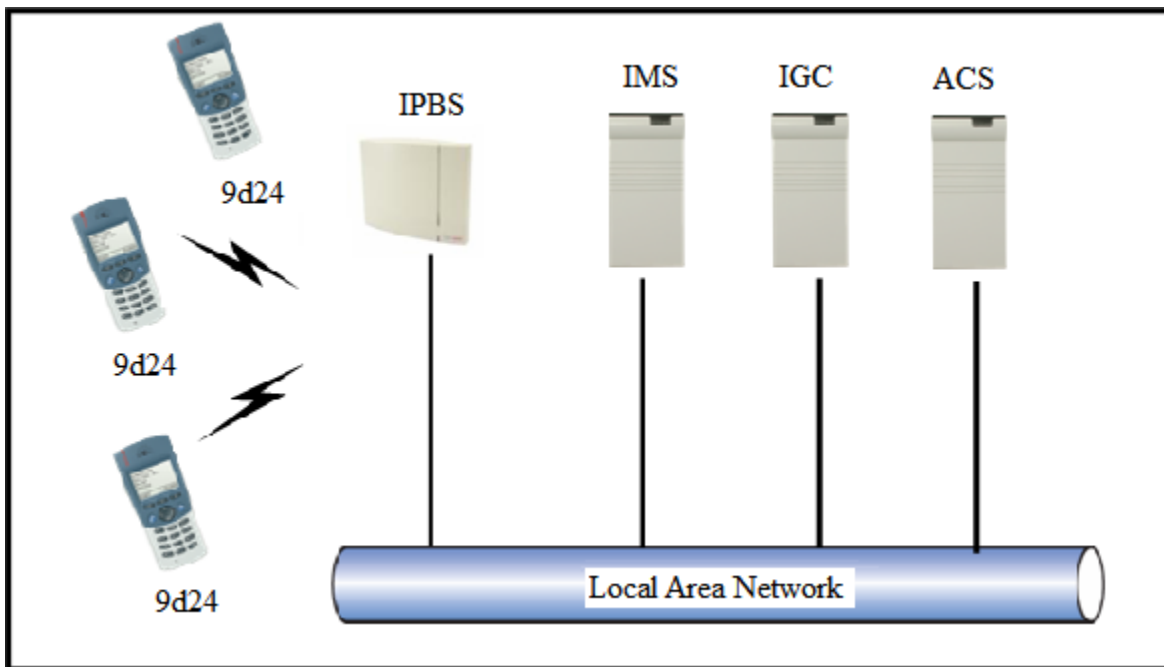
Configuring Push to Talk Using 9d24 MkII & UNITE Introduction

This document outlines the necessary steps and guidelines to configure a system for Push to Talk (PTT) application using Ascom's 9d24 MkII and UNITE Messaging Suite. It is assumed that the user has already installed the appropriate UNITE products, according to their respective installation guides. (See Related Documents section)

The steps, screen shots, and command line syntax depicted throughout this document are based upon 9d24 MkII software version **3.43**, IMS software version **2.90**, and IGC software version (XGate) **2.20**.

Equipment	Software
9d24 MkII handsets	3.43 or later
IMS	2.90 or later
IGC	2.20 or later

Product Summary and Network Topology



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9d24 MkII Configuration

SIM CARD Parameters

There are three ways that we can configure a handset to send a Push to Talk message. The creation of a Soft-Key, the creation of a Hot Key, service menu, or through the use of the Alarm button. All three ways will require the sending of data that will be used by UNITE to establish a PTT conference. For the examples shown below, the data was chosen to be "PTT Group", however the data is configurable.

Soft Key

Utilizing the SIM Card Programmer, we can set the Data Field of one of the three Soft keys to a value of "PTT Group" and the Name to PTT. For this example we set the Middle Soft Key to PTT.

The screenshot shows the SIM Card Programmer interface. On the left is a tree view with folders for Index[5-9], Hot key, Key[0-9], Menu Customisation, Modes, and Index[0]. Under Modes, 'Soft key midc' is selected. The main area is a table with columns Name, Value, and Comment.

Name	Value	Comment
Data	PTT Group	Phone number or data used with this soft key.
Function	3	Function of the soft key. 0=Unused, 1=Short-cut, 2=Phone call(Ordin
Name	PTT	Name for middle soft key. The description that is shown in the display
Short-cut	12	Short-cut used with this soft key.0=Absent on/off, 1=Pull-cord-alarm c

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Hot Key

Utilizing the SIM Card Programmer, we can set the Data Field of one of the ten Hot Keys to a value of "PTT Group" and the Hot Key name to be "PTT". For this example we set Hot Key(0) to be our PTT Hot Key and we set Function to 3, which defines it as "User Data".

Name	Value	Comment
Data	PTT Group	Phone number or data used with this hot key.
Function	3	Defines if the hot key is linked to a function or a phone number. 0=Not used, 1=Short-cut, 2=Phone call (Ordinary), 3=User Data, 4=Data with prefix, 5=SMS, 6=Change Modes, 7=Phone call (Auto disconnect) (9d24MkII only), 8=Phone call (PTT) (9d24MkII only)
Short-cut	1	Short-cut used with this hot key. 0=Absent on/off, 1=Pull-cord alarm

Name	Value	Comment
Name	PTT	Hot key name

Function 3 Defines if the hot key is linked to a function or a phone number. 0=Not used, 1=Short-cut, 2=Phone call (Ordinary), 3=User Data, 4=Data with prefix, 5=SMS, 6=Change Modes, 7=Phone call (Auto disconnect) (9d24MkII only), 8=Phone call (PTT) (9d24MkII only)

Short-cut 1 Short-cut used with this hot key. 0=Absent on/off, 1=Pull-cord alarm

Change Parameter [?] [X]

Name: Function [OK]

Value: 3 [Cancel]

Type: Integer. Example = '7'. Range = 0-8.

Comment: Defines if the hot key is linked to a function or a phone number. 0=Not used, 1=Short-cut, 2=Phone call (Ordinary), 3=User Data, 4=Data with prefix, 5=SMS, 6=Change Modes, 7=Phone call (Auto disconnect) (9d24MkII only), 8=Phone call (PTT) (9d24MkII only)

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Service menu

Utilizing the SIM Card Programmer, we set the Services data to have a value of “PTT Group” and we also set the Function to 3, which defines the data to be “User Data”. We also set the Name to read “PTT Call”, this is the text that will be displayed on the handset display, when a user accesses the services tab on the 9d24 MkII display.

Name	Value	Comment
Data	PTT Group	Phone number or data us
Function	3	Function of the Service.
Name *	PTT Call	Name of the Service

Alarm

Utilizing the SIM Card Programmer, we set the Alarm data to have a value of “PTT Group” and we also set the Personal alarm text to read “PTT Group”, this is the text that will be displayed on the handset display, when a 'Personal Alarm' (two short presses on the alarm button) is sent.

Name	Value	Comment
Alarm data	PTT Group	Alarm data is sent together with an alarm.
ALS enabled	0	Acoustic localisation signal ON/OFF. When enabled, a signal is sent l
Automatic alarm call (speech moni	15	A hot key can be automatically triggered after an alarm, e.g to call a p
Call after alarm connection method	0	The connection method to be used with Automatic alarm call. 0=Moni
Delay time before warning	0	A press on the Mute button during warning signal delays the time bef
Man-down ALS duration	10	Duration of acoustic localisation signal in minutes. This signal is sent
Man-down Time before warning	30	Time before man-down warning is started. The value is specified in se
Man-down Time before warning in	0	'Man-down Time before warning' is specified in minutes when this par.
Man-down Warning duration	7	Duration of the Man-down warning in seconds. The warning is cancell
Multiple press alarm	2	Defines how many times in one sequence the user must press the alar
No-movement ALS duration	10	Duration of acoustic localisation signal in minutes. This signal is sent
No-movement Time before warning	30	Time before no-movement warning is started. The value is specified in
No-movement Time before warning	0	'No-movement Time before warning' is specified in minutes when this
No-movement Warning duration	7	Duration of No-movement warning in seconds. The warning is cancell
Personal alarm text	PTT Group	Text to be shown when a 'Personal Alarm' (two short presses on the a
Pull-cord alarm delayed	0	Pull-cord alarms are delayed 10 seconds before they are sent. The al
Single press alarm	12	Defines the time for long press (press and hold) on the alarm button t
Test alarm text		Text to be shown when a 'Test Alarm' (long press on the alarm button

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Ascom UNITE Configuration

Configuration of IMS

1. Navigate to the IMS web interface (<http://xxx.xx.xx.xx/admin>)
2. If you are using a Soft Key, Hot Key, or Service Menu to generate the PTT functionality, make sure the IMS Message Distribution for Mobile Data includes your IGC address. For this example our IGC address is: 172.20.96.65/EventHandler.

The screenshot shows the 'System Setup' interface for 'DECT Message Distribution'. On the left, a sidebar lists 'DECT Interface' with sub-links for 'General Settings', 'EMN', and 'Message Distribution'. The main content area is titled 'DECT Message Distribution' and features a 'Destinations' section with a question mark icon. To the right, there is a 'Mobile Data' section with a 'Previous' button and a 'Factory' button. Below these are three input fields containing the following text: '127.0.0.1/BAM', '127.0.0.1/OAP', and '172.20.96.65/EventHandler'.

3. If you are using the Alarm to generate the PTT functionality, make sure the IMS Message Distribution for Alarm includes your IGC address. Again for this example our IGC address is: 172.20.96.65/EventHandler.

The screenshot shows the 'System Setup' interface for 'DECT Message Distribution'. On the left, a sidebar lists 'DECT Interface' with sub-links for 'General Settings', 'EMN', 'Message Distribution', and 'DECT Groups'. The main content area is titled 'DECT Message Distribution' and features a 'Destinations' section with a question mark icon. To the right, there is an 'Alarm' section with a 'Previous' button and a 'Factory' button. Below these are four input fields containing the following text: '127.0.0.1/BAM', '127.0.0.1/OAP', '172.20.96.65/EventHandler', and an empty field.

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Configuration of ACS

1. Navigate to the ACS web interface (<http://xxx.xx.xx.xx>)
2. When the ACS web page appears click on the “ESS Administration” button.
3. Next click on the “Group Handling” Tab.
4. Create a Group that includes the phone numbers you want called when a PTT event occurs and name the Group to match the Data field you set in your “Soft Key”, “Hot Key” or “Alarm”. For this example we created a Group named “PTT Group” and the handsets in that group are 2528 and 7448.

The screenshot shows the 'Enhanced System Service' web interface. At the top, there are navigation tabs: Home, Users, Message Routing, Group Handling (selected), and System Overview. On the left, a sidebar menu shows 'Groups' selected. The main content area is titled 'Create Group ID' with a list icon. Below the title is a note: 'Note that it will take some time to send a message to a large group as one message per Call ID will be transmitted.' There are two input fields: 'Call ID' with the value 'PTT Group' and 'Description' with the value 'Push to Talk Group'. Below these is a section for 'Diversion permitted for included members' with radio buttons for 'Yes' (selected) and 'No'. The 'Member Administration' section contains a table with two rows: '2528' and '7448', each with a red 'X' in a box to its right. Below the table is an 'Add Member' button and radio buttons for 'Empty' (selected), 'Copy previous', and 'Increment previous'. At the bottom, there is a 'Call ID Search...' input field, a 'Save' button, and a 'Cancel' button.

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5. Save your new Group and it will appear in the list as shown in the next figure.

The screenshot shows the 'Enhanced System Services' web interface. At the top, there is a navigation bar with tabs for 'Home', 'Users', 'Message Routing', 'Group Handling', 'System Overview', and 'Fault Hand'. The 'Group Handling' tab is selected. Below the navigation bar, the main content area is titled 'Groups'. There are three input fields for 'Create new:' labeled 'Group ID', 'Multicast Group ID', and 'Broadcast ID'. Below these is a section titled 'Existing groups' with a summary: 'Number of small groups: 12 (500), Number of large groups: 0 (50)'. A table lists the existing groups with columns for 'Type', 'Call ID', and 'Description'. Each row has a 'View/Edit' button and a red 'X' icon.

Type	Call ID	Description	View/Edit	X
	1	Ascom Alarm	View/Edit	X
	2	Warehouse Group	View/Edit	X
	3	Technical Services	View/Edit	X
	4	Ascom server alerts	View/Edit	X
	PTT Group	Push to Talk Group	View/Edit	X

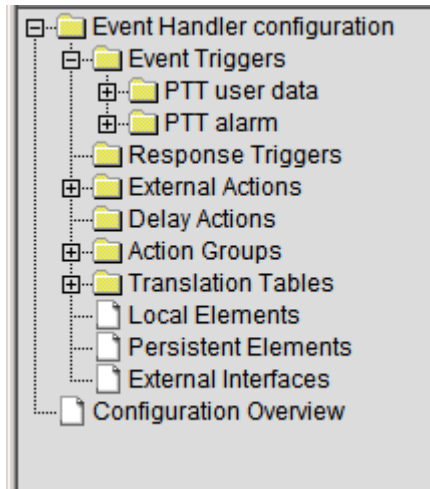
Configuration of Instant Group Communicator (IGC)

1. Open a web browser and navigate to the IGC web page (<http://xxx.xxx.xxx.xxx>) Click on the "Advanced" button. A login pop-up window will appear. Log into the IGC using the appropriate User name and Password.
2. From the "Basic Setup" screen, click the "Advanced" tab and choose the "Configuration" link. This will take you to the "Event Handler Configuration" page
3. Create your PTT Event triggers. For this example we will create two Event Triggers: "PTT user data" and "PTT alarm". The "PTT user data" will be used with soft key, hot key, and Services PTT activations and the "PTT alarm" will be used with alarm button activation.

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4. For the “PTT user data” Event. Create a Match Condition that matches the data that was set in the handset. For our example we look for incoming User Data that matches “PTT Group”.

Event Trigger: PTT user data

Match Conditions

State

Block time (s)

Session lifetime (s) (0 = unlimited)

Existing Conditions

Element: [in]User Data/:Data

Comparison Type: Part of String

Expression: PTT Group

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5. Next we need to create five Assignments. The local variables can be named whatever the installer chooses. (see figure next page)

In Assignment 1, we store the incoming **[in]User Data/:Data** (in our example this will be "PTT Group") in a local variable called **PTT Message**

In Assignment 2, we store the incoming **[in]User Data/Delivery/:Source address/User** in a local variable called **Source User**

In Assignment 3, we store the incoming **[in]User Data/Delivery/:Source address/Service** in a local variable called **Source Service**

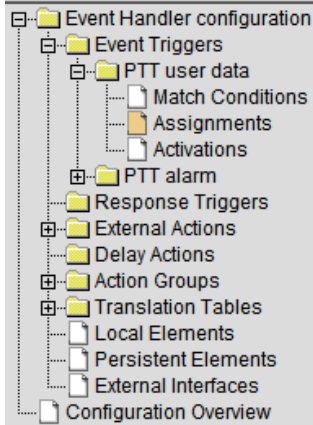
In Assignment 4, we store the incoming **[in]User Data/Delivery/:Source address/Service Address** in a local variable called **Service Address**

In Assignment 5, we store the incoming **[in]User Data/Delivery/Source Address/IP Address** in a local variable called **Source IP**.

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Event Trigger: *PTT user data*

Element Assignments

Add Translation Add Definition Copy Block Add Selection

Existing Element Assignments

1.
Define
Expression: <[in]User Data/:Data,complete>
Destination: [local]PTT Message
Edit Delete ... Move
2.
Define
Expression: <[in]User Data/Delivery/:Source address/User,complete>
Destination: [local]Source User
Edit Delete ... Move
3.
Define
Expression: <[in]User Data/Delivery/:Source address/Service,complete>
Destination: [local]Source Service
Edit Delete ... Move
4.
Define
Expression: <[in]User Data/Delivery/:Source address/Service address,complete>
Destination: [local]Service Address
Edit Delete ... Move
5.
Define
Expression: <[in]User Data/Delivery/:Source address/IP address,complete>
Destination: [local]Source IP
Edit Delete ... Move

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6. Similarly for the “PTT alarm” Event Trigger. Create a Match Condition that matches the data that was set in the handset. For our example, we look for incoming Alarm that matches “PTT Group”.

Event Handler configuration

- Event Triggers
 - PTT user data
 - Match Conditions
 - Assignments
 - Activations
 - PTT alarm
 - Match Conditions
 - Assignments
 - Activations
 - Response Triggers
 - External Actions
 - Delay Actions
 - Action Groups
 - Translation Tables
 - Local Elements
 - Persistent Elements
 - External Interfaces
 - Configuration Overview

Event Trigger: *PTT alarm*

Match Conditions

State

Block time (s)

Session lifetime (s) (0 = unlimited)

Existing Conditions

Element: [in]Alarm/:Data

Comparison Type: Part of String

Expression: PTT Group

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7. Next we need to create five Assignments. The local variables can be named whatever the installer chooses. (see figure next page)

In Assignment 1, we store the incoming **[in]Alarm/:Data** (in our example this will be “PTT Group”) in a local variable called **PTT Message**.

In Assignment 2, we store the incoming **[in]Alarm/Delivery/:Source address/User** in a local variable called **Source User**.

In Assignment 3, we store the incoming **[in]Alarm/Delivery/:Source address/Service** in a local variable called **Source Service**.

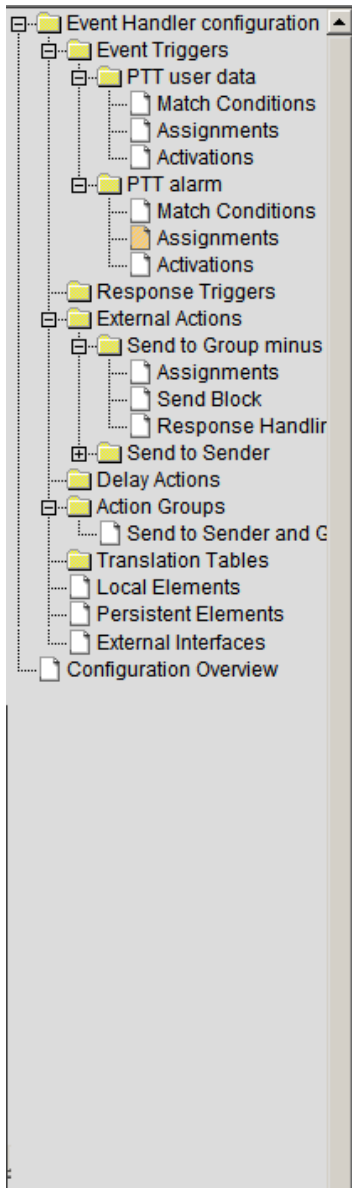
In Assignment 4, we store the incoming **[in]Alarm/Delivery/:Source address/Service address** in a local variable called **Service Address**.

In Assignment 5, we store the incoming **[in]Alarm/Delivery/Source address/IP address** in a local variable called **Source IP**.

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Event Trigger: *PTT alarm*

Element Assignments

Add Translation Add Definition Copy Block Add Selection

Existing Element Assignments

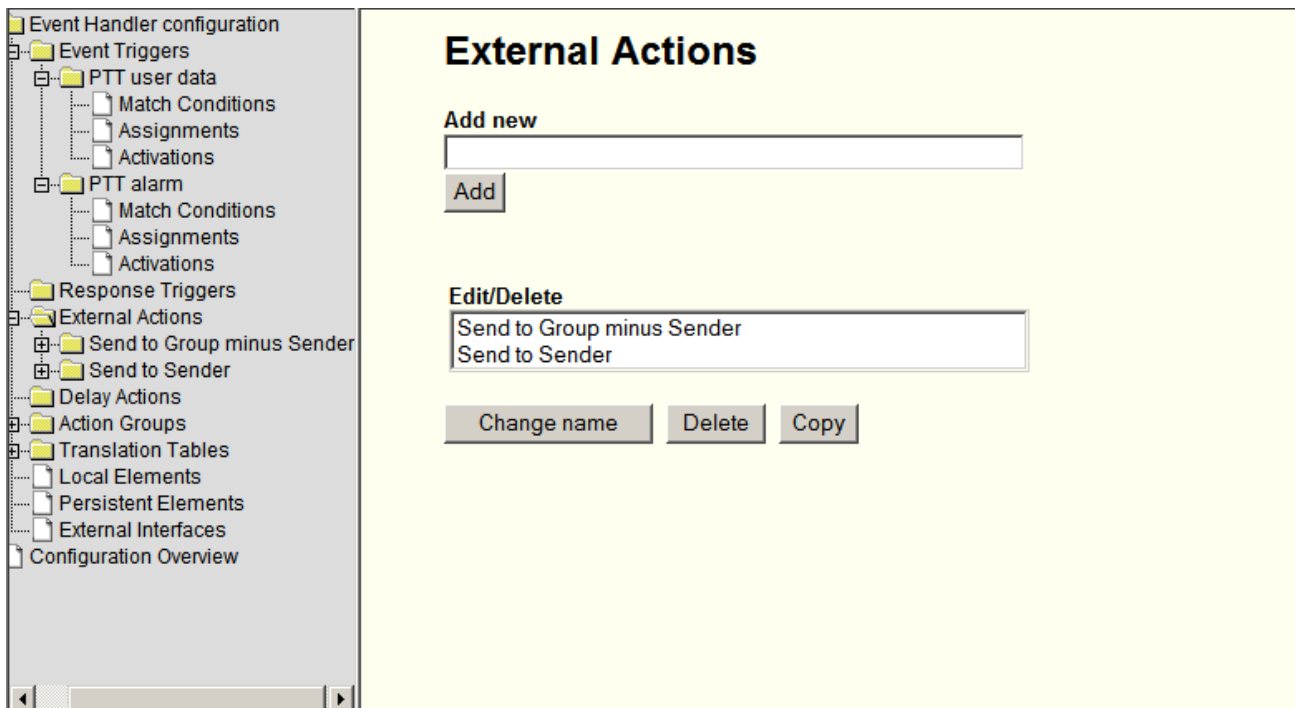
1.
Define
Expression: <[in]Alarm/:Data,complete>
Destination: [local]PTT Message
Edit Delete ... Move
2.
Define
Expression: <[in]Alarm/Delivery/:Source address/User,complete>
Destination: [local]Source User
Edit Delete ... Move
3.
Define
Expression: <[in]Alarm/Delivery/:Source address/Service,complete>
Destination: [local]Source Service
Edit Delete ... Move
4.
Define
Expression: <[in]Alarm/Delivery/:Source address/Service address,complete>
Destination: [local]Service Address
Edit Delete ... Move
5.
Define
Expression: <[in]Alarm/Delivery/:Source address/IP address,complete>
Destination: [local]Source IP
Edit Delete ... Move

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8. In order for the originator to function in PTT mode, they must receive the outgoing PTT message. We must create two External Actions: the “Send to Sender” action will send the PTT message to the handset that initiated the PTT request and the “Send to Group minus Sender”. action will send the PTT message to the group. We also remove the sender from the group to handle the case where the PTT request is being made by a member of the group. This will prevent the sender from receiving a double message.



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9. For the "Send to Group minus Sender" we need to make 13 Assignments The first six assignments are discussed below (see figure next page).

In Assignment 1 we are using our PTT Message as the Call Setup/Delivery/Destination address/User. For our example PTT Message contains the Alarm or User Data **PTT Group**. Therefore the PTT request will go to the group we defined in the ACS as **PTT Group**.

In Assignment 2 we are setting the **Call Setup:Answer mode**. This will control the answer mode of the handsets that receive the PTT request. For our example we set the answer mode to **Auto** (appears as a 1), There are two choices: Manual (0) and Auto(1).

Use predefined value

Manual (User presses key to answer call)	▼	Add
Auto (Device answers the call automatically)		

In Assignment 3 we are setting the **Call Setup:Beep**. This will control the alerting in the handset, when a PTT event occurs. The value is 0-7 (i.e. 0 = silence, 1 = 1 beep...etc).

In Assignment 4 we are placing the number of the conference bridge followed by a P for pause followed by the conference bridge password, if one is required. (In our example we assign **4444P2588#** as the **Call Setup:Call number**. Here **4444** is the number of the conference bride and **2588#** is the password.)

In Assignment 5 we are setting the Call Setup:/Call type. For our example the call type was set to **Conference Call** (2). There are three choices: Normal(0), Conference Call individual member initiated(1), and Conference Call(2).

Use predefined value

Normal	▼	Add
Normal		
Conference Call individual member initiation		
Conference Call initiated		

In Assignment 6 we are setting the **Call Setup:Microphone mode**. There is only one setting available through the drop down window, which is Push To Talk(0). However the user is allowed to enter other digits into the field (1,2...etc), but this will cause the handsets to not function properly for PTT.

Use predefined value

PTT (push to talk)	▼	Add
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- Event Triggers
 - PTT user data
 - Match Conditions
 - Assignments
 - Activations
 - PTT alarm
 - Match Conditions
 - Assignments
 - Activations
- Response Triggers
- External Actions
 - Send to Group minus Sender
 - Assignments
 - Send Block
 - Response Handling
 - Send to Sender
- Delay Actions
- Action Groups
- Translation Tables
- Local Elements
- Persistent Elements
- External Interfaces
- Configuration Overview

External Action: *Send to Group minus Sender*

Element Assignments

Add Translation

Add Definition

Copy Block

Add Selection

Existing Element Assignments

1.

Define

Expression: <[local]PTT Message,complete>

Destination: [out]Call Setup/Delivery/:Destination address/User

Edit Delete ... Move

2.

Define

Expression: 1

Destination: [out]Call Setup/:Answer mode

Edit Delete ... Move

3.

Define

Expression: 2

Destination: [out]Call Setup/:Beep

Edit Delete ... Move

4.

Define

Expression: 4444P2588#

Destination: [out]Call Setup/:Call number

Edit Delete ... Move

5.

Define

Expression: 2

Destination: [out]Call Setup/:Call type

Edit Delete ... Move

6.

Define

Expression: 0

Destination: [out]Call Setup/:Microphone mode

Edit Delete ... Move

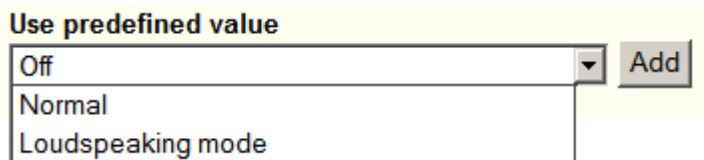
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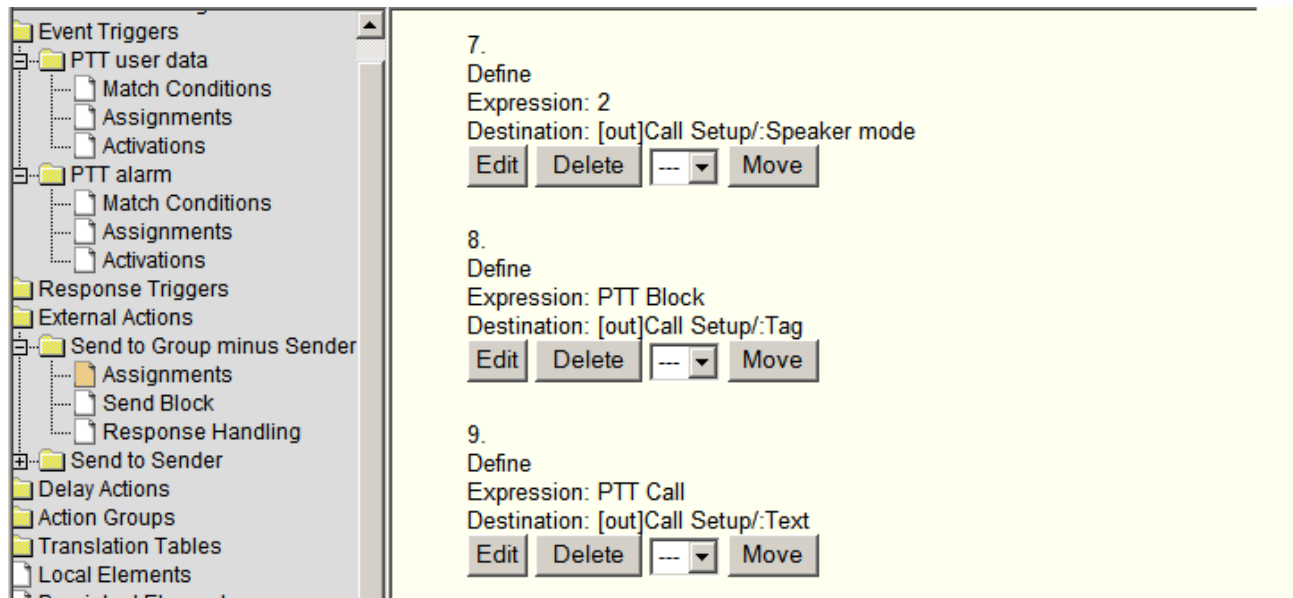
10. Send to Group minus Sender (continued) Assignments 7 through 12 are discussed below.

In Assignment 7, we are setting the **Call Setup/:Speaker mode**. There are three possible settings: Off(0), Normal(1),and Loudspeaking(2). For our example we have selected Loudspeaking mode (2).



In Assignment 8, we are setting **Call Setup/:Tag**. This is text that will categorize the sent block. This is primarily used to analyze data in the System Activity Log. For our example we used the text: **PTT Block**.

In Assignment 9, we are setting the **Call Setup/:Text**. This is text that will appear on the handset when a PTT call is received. For our example we used the text: **PTT Call**.



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11. Send to Group minus Sender (continued) Assignments 10 through 13 are discussed below. These assignments are used to exclude the user that initiated the PTT call from the group call, if they are a member of that group.

In Assignment 10, we are setting the **Call Setup/Delivery:/Exclude address(1)/User** to the value of our local variable **Source User**. Earlier we stored the user that triggered the PTT call in this variable.

In Assignment 11 we are setting the **Call Setup/Delivery:/Exclude address(1)/Service** to the value of our local variable **Source Service**. Earlier we stored the source of the user that triggered the PTT call in this variable.

In Assignment 12 we are setting the **Call Setup/Delivery:/Exclude address(1)/Service address** to the value of our local variable **Service Address**. Earlier we stored the service address of the user that triggered the PTT call in this variable.

In Assignment 13 we are setting the **Call Setup/Delivery:/Exclude address(1)/IP address** to the value of our local variable **Source IP**. Earlier we stored the service IP address of the user that triggered the PTT call in this variable.

The screenshot shows a configuration tool interface. On the left is a tree view under 'Event Handler configuration' with folders for 'Event Triggers', 'External Actions', 'Send to Group minus Se', 'Send to Sender', 'Delay Actions', 'Action Groups', 'Translation Tables', 'Local Elements', 'Persistent Elements', 'External Interfaces', and 'Configuration Overview'. The 'Send to Group minus Se' folder is expanded to show 'Assignments', 'Send Block', and 'Response Handling'. On the right, four assignment configurations are listed:

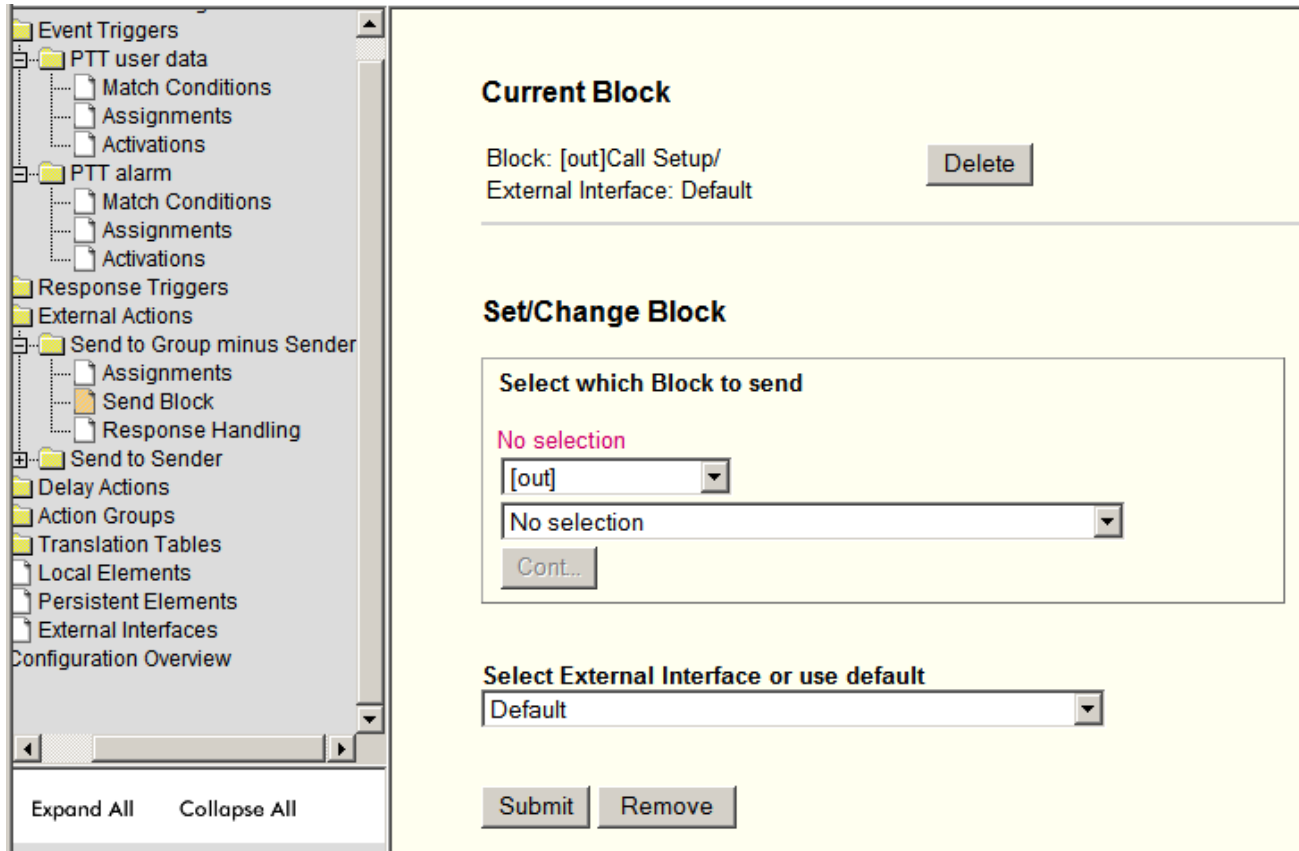
- 10.**
Define
Expression: <[local]Source User,complete>
Destination: [out]Call Setup/Delivery:/Exclude address{1}/User
Buttons: Edit, Delete, Move
- 11.**
Define
Expression: <[local]Source Service,complete>
Destination: [out]Call Setup/Delivery:/Exclude address{1}/Service
Buttons: Edit, Delete, Move
- 12.**
Define
Expression: <[local]Service Address,complete>
Destination: [out]Call Setup/Delivery:/Exclude address{1}/Service address
Buttons: Edit, Delete, Move
- 13.**
Define
Expression: <[local]Source IP,complete>
Destination: [out]Call Setup/Delivery:/Exclude address{1}/IP address
Buttons: Edit, Delete, Move

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12. Next we create a Send to Group minus Sender - Send Block. Here we define an **[out] Call Setup/** block and use the default external interface



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13. Next we need to create our assignments in the Send to Sender external action.

The first assignment stores the user who generated the PTT event in the Call Setup/Delivery/Destination/:Destination address/User. The remaining eight assignments are the same as we did above in the **Send to Group minus Sender** external action. We do not need assignments 10 through 13.

External Action: *Send to Sender*

Element Assignments

Add Translation Add Definition Copy Block Add Selection

Existing Element Assignments

1.
Define
Expression: <[local]Source User,complete>
Destination: [out]Call Setup/Delivery/:Destination address/User
Edit Delete --- Move
2.
Define
Expression: 1
Destination: [out]Call Setup/:Answer mode
Edit Delete --- Move
3.
Define
Expression: 2
Destination: [out]Call Setup/:Beep
Edit Delete --- Move
4.
Define
Expression: 4433P2580#
Destination: [out]Call Setup/:Call number
Edit Delete --- Move
5.
Define
Expression: 2
Destination: [out]Call Setup/:Call type
Edit Delete --- Move
6.
Define
Expression: 0
Destination: [out]Call Setup/:Microphone mode
Edit Delete --- Move

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The screenshot shows a software configuration interface. On the left is a tree view with the following structure:

- Assignments
- Activations
- PTT alarm
 - Match Conditions
 - Assignments
 - Activations
- Response Triggers
- External Actions
 - Send to Group minus
 - Assignments
 - Send Block
 - Response Handler
 - Send to Sender
 - Assignments
 - Send Block
 - Response Handler
- Delay Actions
- Action Groups
- Translation Tables
- Local Elements
- Persistent Elements

On the right, three configuration items are displayed:

7.
Define
Expression: 2
Destination: [out]Call Setup/:Speaker mode
[Edit] [Delete] [---] [Move]

8.
Define
Expression: PTT Block
Destination: [out]Call Setup/:Tag
[Edit] [Delete] [---] [Move]

9.
Define
Expression: PTT Call
Destination: [out]Call Setup/:Text
[Edit] [Delete] [---] [Move]

Application Note



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Purpose: Push To Talk solution
Date: 4/23/2008

14. Next we create a Send to Sender - Send Block. Here we define an **[out] Call Setup/** block and use the default external interface

The screenshot shows a configuration interface with a tree view on the left and a configuration panel on the right.

Tree View (Left):

- Assignments
- Activations
- PTT alarm
 - Match Conditions
 - Assignments
 - Activations
- Response Triggers
- External Actions
 - Send to Group minus
 - Assignments
 - Send Block
 - Response Handlir
 - Send to Sender
 - Assignments
 - Send Block
 - Response Handlir
- Delay Actions
- Action Groups
- Translation Tables
- Local Elements
- Persistent Elements
- External Interfaces
- Configuration Overview

Configuration Panel (Right):

Current Block

Block: [out]Call Setup/ Delete
External Interface: Default

Set/Change Block

Select which Block to send

No selection

[out] ▼

No selection ▼

Cont...

Select External Interface or use default

Default ▼

Submit Remove

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15. Now that we have created our two actions we can create our Action Group. For our example we have created the Action Group: **Send to Sender and Group** and in the group we included both of our external actions: **Send to Sender** and **Send to Group minus Sender**

Action Group: Send to Sender and Group

Change Name Delete

Group Actions that shall be run together into an Action Group

Add/Remove Actions to/from Action Group

External Actions No selection

Delay Actions No selection

(Create...) Add

Existing Actions in selected Action Group

- External Action / Send to Sender Delete -- Move
- External Action / Send to Group minus Sender Delete -- Move

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16. Lastly we need to go back to our PTT User Data trigger and our PTT alarm trigger and set our Default Activations to the Action Group: **Send to Sender and Group**.

The screenshot shows the configuration interface for the 'PTT user data' event trigger. On the left is a tree view with 'Event Triggers' expanded to 'PTT user data', and 'Activations' selected. The main panel is titled 'Event Trigger: PTT user data' and 'Activations'. Under 'Default Activation', it shows 'Existing: Action Group: Send to Sender and Group' with a 'Delete' button. The 'Set Default Activation' section includes a dropdown for '---Activate Type---' with a '(Create...)' link, a selection dropdown currently showing 'No selection', and a 'Submit' button.

The screenshot shows the configuration interface for the 'PTT alarm' event trigger. On the left is a tree view with 'Event Triggers' expanded to 'PTT alarm', and 'Activations' selected. The main panel is titled 'Event Trigger: PTT alarm' and 'Activations'. Under 'Default Activation', it shows 'Existing: Action Group: Send to Sender and Group' with a 'Delete' button. The 'Set Default Activation' section includes a dropdown for '---Activate Type---' with a '(Create...)' link, a selection dropdown currently showing 'No selection', and a 'Submit' button.

Technical Support Contact Information

Application Note



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Ascom U.S. technical support can be obtained through the following:

Phone: 1-877-71ASCOM or 1-877-712-7266

Email: techsupport@ascomwireless.com

Reference Documents

TD 92338GB	Installation and Operation Manual XGate (IGC)
TD 92364GB	User Manual Administration, XGate (IGC)
TD 92329GB	Programming Guide, Event Handler (IGC)
TD 92232GB	Installation Guide ELLISE2
TD 92161GB	Installation and Operation Manual Integrated Message Server (IMS)
TD 92253GB	Installation and Operation Manual for Enhanced System Services (ACS)