



# **TRBOnet Dispatch Console**

User Guide

Version 5.0

World HQ

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## Contents

Introduction	1
About This Guide and Related Documentation	1
About TRBOnet	1
Contacts	1
Dispatch Console Interface Overview	2
Connecting to the TRBOnet Server	2
Menu Commands	
Voice Dispatch	
Subscriber List View Options	
Voice Box Options	49
System Elements Properties	51
Radio Station Properties	56
Making Voice Radio Calls	58
Quick Commands	68
Queued Messages	74
Activity Monitor	
SIP Interconnect (Phone Calls)	
GPS Positioning	
Objects	
Map Tools	
Dock Window	
Text Messages	
To Send a Text Message	
Extended Messages	
Reports and Statistics	
Report Types Overview	
Queries	
Common Reports	
Indoor Reports	
GPS Reports	



Data Export	
Event Log	
Voice Recording	
Event Log Controls	
All Messages	
Telemetry	
Job Ticketing	
Route Management	
Radio Allocation	
Web Console User Manual	
Мар	
Geocoding Type	
Reports	
GPS Reports	
Common Reports	



## Introduction

## About This Guide and Related Documentation

This document is intended for the radio network control room personnel in charge of the dispatch operations. It introduces the user interface and functionality of the **TRBOnet Dispatch Console** application.

For information on the installation and configuration of TRBOnet Server – the server component of the TRBOnet solution – refer to the TRBOnet Administration Guide available from the documentation area at <u>www.trbonet.com</u>.

## **About TRBOnet**

TRBOnet is a suite of professional applications for the MOTOTRBO digital two-way radio networks. TRBOnet manages voice, text and data communication paths to network endpoints and provides a unified graphical dispatcher workbench interface for all the messaging and workforce orchestration tasks.

### **Contacts**

Region	Phone	Email & Support
EMEA	+44 203 608 0598	<u>info@trbonet.com</u> – general and commercial inquiries
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APAC	+61 28 6078325	<u>http://kb.trbonet.com</u> – online knowledge base



## **Dispatch Console Interface Overview**

### **Connecting to the TRBOnet Server**

Launch TRBOnet Dispatch Console using the desktop or Start menu entry.

Your server access credentials will usually be provided to you by an administrator.

Conr	nect to Radio Server	×
Co	onnect to:	
	Radio Server:	127.0.0.1 🔹
	Port:	4021 🚔 Configure
A	uthentication:	
	Authentication:	TRBOnet Authentication 🔹
	User Name:	Dispatcher
	Password:	******
	Connect on startup	
		OK Cancel

Connect to:

- Radio Server Specify the IP address of the TRBOnet server on your network; use the dropdown list to select the server your previously connected to;
- Port specify the port for the TRBOnet Server communications (4021 by default).

Authentication:

- Authentication select the authentication method. The TRBOnet authentication method (Default) is based on user accounts maintained by the TRBOnet server, while the Windows authentication option can allow you to use your Windows user account to log on to TRBOnet. Your system administrator will tell you which method to select.
- User Name Specify the account name provided to you by the administrator;
- **Password** Type in your password.

If you regularly connect to the same TRBOnet server and your workstation is in a secure location, you can choose to skip the authentication dialog for subsequent connections by checking **Connect on startup**.



When Dispatch Console is launched, the main interface screen is displayed with the Voice Dispatch tab active:



- 1 Application menu
- 2 Subscriber list
- 3 Module name tabs
- 4 Main window
- 5 Activity monitor

#### Menu Commands

#### File

Two commands are available in the **File** menu:

- Connect Displays the server connection dialog. You can log on to a different TRBOnet server or use different credentials.
- **Exit** Closes the TRBOnet Dispatch Console.



#### View

The **View** menu commands change the TRBOnet Dispatch Console user interface options.

<u>V</u> iev	
<b>~</b>	Show Navigation
	Show Modes •
	Configure PTT Boxes
	Configure Active Calls Panel
	Configure HotKeys
	Add Radio Interface Page
	Delete Radio Interface Page
	Show Channel Selector Box
	Show Call Type Buttons
<ul> <li></li> </ul>	Show Keypad Panel
	Saved Audio Files
	Extended PTT Boxes
<b>~</b>	Large PTT Boxes
	Middle PTT Boxes
	Small PTT Boxes
<b>~</b>	Show Active Calls Panel
<ul> <li></li> </ul>	Show Quick Commands Panel
<b>~</b>	Show TX Passive Panel
<b>~</b>	Show CrossPatch Panel
	Show Extended Messages Tab
	Show Radios Tab

**Show Navigation** – Select to display the left navigation pane containing the Subscriber list and the Module name tabs.

**Show Modules** – Choose the module name tabs to display in the navigation pane.

**Configure PTT Boxes** – Set up the PTT Boxes displayed in the main window.

Co	onfigure Voice	Boxes			x
	Name:	Radio Interface			
	Туре	Name	View Mode	Available Calls	
	Station	SIP Interconnect	Normal		
	Station	Control Station #1	Normal	All	
	Station	Remote Control Stati	Normal	All	
	Station	Call #1	Minimized	All	
	Station	Call #2	Normal		
	Station	R1	Normal	All	
	Station	Control Station #1	Normal	All	
					•
	Create	Edit XDelete	(	OK Cance	el 🚽



The configuration dialog displays the PTT boxes currently set up in your workspace. You can modify the existing PTT boxes and, if necessary, create new ones. Each new adminbox the following options can be configured:

- Type Subscriber type (e.g. Station);
- Name Box name;
- View Mode:
  - Invisible the box will not be displayed in the Dispatch Console;
  - **Normal** the box will be displayed in Normal mode:

Repeate	r #1 Slot 1 🛛 🕷 🖉
PTT	Broadcast Call 🔻
	Session:
	Free channel
	Sender:
RX / TX	]

• **Minimized** – the box will be displayed in Minimized mode:



The minimized mode enables the display of a greater number of voice boxes in a limited screen space. You can access the full-size, normal version of the PTT Box if you hover your mouse pointer over a minimized voice box.

- Available Calls filter the subscriber types displayed in the drop-down list for this PTT box:
  - Select **All** to list all Call Types available for selected box;
  - o Select All call to make Broadcast Call available for selected box.

To create individual boxes configuration for **Group Calls** and **Broadcast Calls** click **Create** button:



Configure Vo	ice Boxes			X
Name:	Radio Interface			]
Type	Name	View Mode	Available Calls	ī
Station	SIP Interconnect	Normal		
Station	Control Station #1	Normal	All	
Station	Remote Control Stati	Normal	All	
Station	Call #1	Minimized	All	
Station	Call #2	Normal		
Station	R1	Normal	All	
Station	Control Station #1	Normal	All	
<b>T</b>			OK Canc	el
/irtual Cha 	nnel e: Group Call			×
Call Typ	<b>je:</b> Icast Call	Call Tar	<b>get</b> thy Disparcher	
Grou	n Call	Selection	ted from list	
O Priva	te Call			1
Execute © Exec © Exec	e call on channels: ute call on all available ute call only on selecte	channels d channels	_	
	Call #1 Call #2 Control Station #1 Control Station #1 R1 Remote Control Station	#1		
			OK Cancel	

- Name check the Name box to override the automatic label and type in the voice box name.
- **Call Type** select Call Type for new configuration.
- Call Target Select by Dispatcher allows the Dispatcher selecting the group.
   Selected from the list allows to create the configuration for one selected group.

**Note:** Not available for Broadcast Call Mode.

 Execute call on channels – select all available channels or select channels in the list below to execute calls from these channels.

**Note:** Not available for Private Call Mode.



Click **OK** to create the configuration.

**4. Configure Active Calls panel** – select to configure call types and advanced settings for Active Calls panel:

**Call Types –** select call types to display in Active Calls panel:

Active Calls	×
Call Types Advanced	
✓ Show Broadcast Calls	
Show Group Calls	
✓ Show Emergency Calls	
✓ Show Private Calls	
Show Remote Monitor	
☑ Show Intercom Broadcast Calls	
Show Intercom Private Calls	
OK Can	cel



Active Calls			×
Call Types Advanced			1
Show Visible Char	nnels		
Show Missed Calls Display Time:	2000	seconds	
		OK Can	cel





Specify elements to display and display time.

Active Calls panel is displayed in the upper part of the Dispatch Console:

<u>F</u> ile <u>V</u> iew <u>M</u> ap <u>T</u> ools <u>H</u> elp		
Radio	Radio Interface	
	Radio Interface Recent Calls/Events	
	Active Calls Quick Commands	X
Colina Dispatchers (2)	Intercom	
Chine Dispatchers (2)	PTT Broadcast Call Dispatcher	-
Administrator	TX Passive	×
Z Dispatcher	Record 🔻 🗘 File	-
Ξ 📙 0	To: Selected Control Station	15
<u> </u>		
💰 12 🔍		<u> </u>
	Broadcast Call	n here
	Session:	
Radio	Al	
GPS Positioning		
😸 Job Ticketing		
Route Management	Recent Calls/Events	
	— 🔄 Playback 📓 Save   II Pause 🟈 Clean 🏐 Reload   🎁 Filter By Radio   🚟 Grouping 🍸 Auto Filter 🍩 Default Setti	ngs 🌷
Contract Messages	Date         ♥         Control Station         Sender         Recipient         Message         Note	•
	26.02.2014 15:36:39 Intercom Dispatcher All Intercom Call: Dispatcher 'Dispatcher' ca	
Reports and Statistics	26.02.2014 15:00:00     RadioServer All The Control Station for this operation is	
( Sweet Lag	26.02.2014 13:00:00     RadioServer All     The Control Station for this operation is	
	26.02.2014 12:00:00 RadioServer All The Control Station for this operation is	
A Telemetry	🔆 26.02.2014 11:00:00 RadioServer All The Control Station for this operation is	
	SP 26.02.2014 10:00:00 RadioServer ΔII The Control Station for this operation is	<b>–</b>
Radio Allocation	Develo Celle Trucke Develo Celle Dadie State Active Trake Active Device Liese Activity Man	
	Recent Calis/Events Recent Calis Radio State Active Tasks Active Routes User Activity Map	

5. Configure hotkeys – select to add hotkeys for actions with selected channels:

Hotkey	Action	Caption
	PTT	Intercom
	PTT	Repeater #1 Slot 1
	PTT	Repeater #1 Slot 2
	PTT	Firemen
	PTT	Test Call
Shift	Mute channels	Mute Mode

1. To configure PTT actions for PTT boxes click **Show all PTT Boxes** button and assign the hot key. Double-click **HotKey** column and select hotkey(s) for the action.



2. To set specific actions for PTT boxes (e.g., Mute channels or set default PTT channels), click **Create** button:

Action			<b>—X</b> —
HotKey: Caption: Action: Channels:	Shift Mute Mode Mute channels	Ţ	Configure
<ul> <li>Phone Inter</li> <li>Intercom</li> <li>Repeater #</li> <li>Repeater #</li> <li>Firemen</li> <li>Test Call</li> </ul>	connect 1 Slot 1 1 Slot 2		
,		 ОК	Cancel

- Hotkey click Configure to set a key you want to assign for the selected action;
- **Caption** type in a caption to display in the Dispatch Console;
- Action select action in the dropdown list:
  - Default PTT channel selected PTT box functions as a default PTT channel;
  - Mute channels mutes selected PTT boxes;
  - Unmute channels unmutes selected PTT boxes;
  - Voice from channels mutes voice from all PTT boxes except selected one(s).
- **Channels** check PTT boxes to assign the actions above.

To enable configured hotkeys displaying in Dispatch Console, select **Show actions panel** checkbox.

Click **OK** to save the hot key configuration.



All hotkeys you have configured are displayed in the upper part of Dispatch Console:





**6. Add Radio Interface Tab** – select to add new Radio Interface Tab. Select new Radio Interface in the upper part of the **Calls Pane**:

<u>File view Map Tools Help</u>		
Radio	Radio Interface	
	Radio Interface Radio Interface #1 Recent Calls/Events	
	Active Calls	Quick Commands
🗉 🧟 Online Dispatchers (2)		Configure
Administrator		TX Passive
😤 Dispatcher		Record y to File y
🖃 📊 0		To: Selected Control Stations
 (5) 0 📮 📢	SIP Interconnect	
💰 12 📃 🕅		CrossPatch X
Ŭ,	Manu	Drag and Drop Control Station here
		to create new group
	Line 1 Line 2 Line 3	
	Line 4 Line 5 Line 6	
Radio	1 2 3	
GPS Positioning	4         5         6           7         8         9	
🚮 Job Ticketing	- 0 #	
Route Management	Recent Calls/Events	
	– 🖾 Playback 🚽 Save 💷 Pause 🏈 Clean 🏐 Reload 🛛 🌇 Filter By Radio 🛛 🗮 Grouping 🍸	' Auto Filter 🌼 Default Settings 🏻 🍟
Contemporary Text Messages	Date ∇ Control Station Sender Recipient Message	Note
0	- 🖸 26.02.2014 15:36:39 Intercom Dispatcher All Intercom Call: Dispatche	r 'Dispatcher' ca
Reports and Statistics	26.02.2014 15:00:00 RadioServer All The Control Station for t	his operation is
<b>5</b>	26.02.2014 14:00:00 RadioServer All The Control Station for t	his operation is
Event Log	26.02.2014 13:00:00 RadioServer All The Control Station for t	his operation is
P. Talamatry	26.02.2014 11:00:00 RadioServer All The Control Station for t	his operation is
relemetry	3 26.02.2014 10·00·00 RadioServer ΔII The Control Station for t	his operation is
Radio Allocation		4
	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Map	

#### 6. Delete Radio Interface Tab – select to delete selected Radio Interface Tab.

**Note:** Default Radio Interface Tab is not available to delete.

#### 7. Audio Message Library

This option allows adding configured Voice Messages on the Calls Pane to send it by clicking Voice Message box.



Go to View,	Audio Message	Library to	configure	Voice	Messages	box:
· · · · · · · · · · · · · · · · · · ·						

Saved Audio Files				
🖶 Add 🗙 Remove 🗎	🍸 Filter 🛛 Hot Key			
Filename	Description	Severity H	lot Key	Visibility
Alarm Tone		Alarm		Hidden
Information Signal.mp3	]	Information		Button
Warning Tone.mp3		Information		Panel
Send			ОК	Cancel

**Filename** – specify the name of the configured voice message displayed on the Calls Pane. *For more details on Voice Messages configuration see <u>TRBOnet</u> <u>Administration Guide</u>, Tasks, Voice Message section;* 

**Description** – add the description for Voice Message;

Severity – select severity level in the dropdown list:

- Information select to set low severity level
- Warning select to set middle severity level
- Alarm select to set high severity level.



**Hot Key** – select the Voice Message and click in the **Hot Key** column. Then press **Hot Key** button:

Sav	Saved Audio Files				
4	🛚 Add 🗙 Remove 🛛	🝸 Filter   Hot Key			
	Filename	Description	Severity	Hot Key	Visibility
	Voice Message	Voice Message	Warning	[-]	Panel
	Alarm Tone		Alarm	[8]	Panel
•	Information Signal.mp3		Information	[5]	Panel
	Warning Tone.mp3		Information		Hidden
	Send			ОК	Cancel

When the informational message appears press any key on the keyboard to set it as **Hot Key** for selected Voice Message.

**Visibility** – select the Voice Message box view:

- Hidden select to hide the Voice Message box;
- **Button** select to display the Voice Message as a link on TX Passive panel (1);
- Panel select to display the Voice Message as a separate panel with button (2).



Click **OK** to add the Voice Message.

8. /9. Large PTT Boxes / Small PTT Boxes - select PTT Boxes size.



**10. Show Active Calls Panel** – select to display Active Calls Panel in the Dispatch Console.

**11. Show Quick Commands Panel** – select to display Quick Commands Panel in the Dispatch Console.

**12. Show Queued Messages Panel** – select to display TX Passive Panel in the Dispatch Console.

**13. Show Cross Patch Panel** – select to display Cross Patch Panel in the Dispatch Console.

**14. Show Extended Messages Tab** – select to display Extended Messages Tab in the Dispatch Console.

#### Мар

Select **GPS Positioning (1)** in the Navigation Pane to enable Map Options:





On the application menu, select **Map**:

	Select Active Map
	Save Online Map Data
<b>\$</b>	Map Content
۲	Print
Ϋ́ζ	Geocoding
	Open New Map in Tab
	Open New Map in Window
۲	Google Earth
	Delete Route on Google Earth
	Show Radios on Google Earth 🔸

#### 1. Select Active Map

Click to select a map to display the radios on. Type in the Caption for the Map to display as map tab title and select a map in the list of available maps.

Jser can add	a custom maj	p by specifying its	URL:	
Select Map			Σ	3
Caption:				
Available Maps				17 YI
Name	Path		State	
MAPNIK			OK	
CYCLE			OK	
TRANSPORT		Add Map		
MAPQUEST				
BING_ROAD		Name:	region	
BING_AREA		URL:	http://www.openst	reetmap.org/#map=9/39.2376/-104.7189
DING_INDKID			Example: http://tile	.openstreetmap.org/z}/{x}/{y}.png
				OK Cancel
	/			
				Administrator' (00:02)
Add	Remove	ОК	Cancel	'Administrator' (00:02)

44 h cifuing its LIDI U . . +

Click Add, type in the Name for new map and specify the URL.

Type in map URL, as shown in the example below, in the URL field.

- **Z** zoom. Type in zoom value for the map.
- **X** coordinate in X –direction.
- **Y** coordinate in Y direction.

Click **OK** to add the map.

histrator' calls all dispatchers (00:03) r' calle all dispatchers (00,01)



**Note:** You can only select a map in the same format as the map in the current tab. For example, if

You click **Map** button, then **Select Active Map** in a tab with Open Street Map format map, the Select

Map... window will display the available Open Street Map format maps. Thus, if you need to select another format map, use the **Map**, **Open Map in Tab** or the **Map**, **Open Map in Window** option.

**2. Save online map data** – select the map region you need to save the map starting from and select Save online map data:

Get OpenStreetMap Data	
C: Users\a.volkova\AppData\Loca Files\WebMap\11\cache\17\3185 C: Users\a.volkova\AppData\Loca Files\WebMap\1\1\cache\17\3185 C: Users\a.volkova\AppData\Loca Files\WebMap\1\1\cache\17\3184 C: Users\a.volkova\AppData\Loca Files\WebMap\1\1\cache\17\3186 C: Users\a.volkova\AppData\Loca Files\WebMap\1\1\cache\17\3186 C: Users\a.volkova\AppData\Loca Files\WebMap\1\1\cache\17\3186 C: Users\a.volkova\AppData\Loca Files\WebMap\1\1\cache\17\3186 C: Users\a.volkova\AppData\Loca	\/\Vicrosoft\Windows\Temporary Internet \\51613.png \\Vicrosoft\Windows\Temporary Internet \>51613.png \\Vicrosoft\Windows\Temporary Internet \\$51613.png \\Vicrosoft\Windows\Temporary Internet 1\51613.png \\Vicrosoft\Windows\Temporary Internet 1\51613.png \\Vicrosoft\Windows\Temporary Internet 1\51613.png \\Vicrosoft\Windows\Temporary Internet 0\51613.png
Total files count:	24 435
Ready files:	2 216
Loaded files size:	4036,45 KB
	Start Stop Close

Click **Start** button and wait for the system to save the files in the Cache folder . The procedure may take several minutes.

**Note:** The system will cash the map downwards which means User will not be able to zoom out the selected region in offline mode. To zoom the offline map see the following article <a href="http://kb.trbonet.com/public.pl?Action=PublicFAOZoom:ItemID=27">http://kb.trbonet.com/public.pl?Action=PublicFAOZoom:ItemID=27</a>



#### 3. Map Content

Select to specify the folder and settings to store Map Data:

Online Map	
Map cache	
Cache folde	c
C:\Users\a	volkova\AppData\Local\Microsoft\Windows\Temporary Internet Files
	Change
Update:	30 🔪 Day(s)
Map Type:	MAPNIK
	OK Cancel

- Cache folder click Change button to select the folder on the PC to store the Map Data;
- Update select data updating period;

**Note:** when 0 value selected, the map will not update.

 Map Type – select your Map type in the dropdown list. For more details on maps used in TRBOnet Dispatch Software see <u>Map Types</u> section.

Click **OK** to save map cache settings.

#### Map Types

#### Online maps:

- OpenStreetMap free online map. Includes MAPNIK, CYCLE, TRANSPORT, LANDSCAPE and MAPQUEST subtypes. For more details on OpenStreetMaps visit official web site: <u>http://www.openstreetmap.org</u>
- Microsoft BING commercial maps from Microsoft. Includes BING\_ROAD, BING\_AREA and BING\_HYBRID subtypes. User can try BING Maps for 90 days and then get a Basic Key. Visit <u>http://msdn.microsoft.com/en-</u> <u>us/library/ff428642.aspx</u> to get a Basic Key.

#### **Offline Maps**

 TRBOmap – internal map-making resource. User can customize a part of online maps according to requirements. For more details on map calibration go to TRBOnet knowledge base and read the following article: <u>http://kb.trbonet.com/public.pl?Action=PublicFAQZoom;ItemID=27</u>.



- TMap internal map-making resource. User can create an offline copy of online maps for selected region according to requirements. User can create a map using any picture via TRBOnet.MapEdit tool. Go to %ProgramFiles%\Neocom Software\TRBOnet Dispatch Software\TRBOnet.MapEdit.exe. For more details on map calibration refer to the following TRBOnet knowledge base article: http://kb.trbonet.com/public.pl?Action=PublicFAQZoom;ItemID=28.
- GIS Panorama a proprietary offline map. For more details visit the official web site: <u>http://www.gisinfo.ru/</u>
- Beacon 2D two-dimension offline map for Indoor positioning. User can create maps using Beacon2DMapGenerator tool. To get Beacon2DMapGenerator contact your local TRBOnet dealer.
- Beacon 3D tree-dimension map for Indoor positioning. User can use any dicectX(.x) files as map.
- MapLib map format free offline map. Requires a lot of internal memory. Requires Franson GPSTools. For more details on Franson GPSTools visit the official web site: <u>http://franson-GPStools.software.informer.com/2.3/</u>
- TatukGIS commercial offline map. For more details on TatukGIS visit the official web site: <u>http://www.tatukgis.com/</u>.

#### 4. Print

Select to print the region. Select printer and set its parameters. Click **OK** to print.

#### 5. Geocoding

Geocoding server resolves GPS coordinates to street names and address for reports and other needs, for example in "GPS activity for period" reports. Online geocoding services can be used like Google or Nominatim, but they are not for free or limited by amount or requests. Also, custom geocoding server can be configured.

For more details on geocoding configuration see <u>*TRBOnet Administration Guide*</u>, **Map** Servers for Geocoding section.

6. Open Map in Tab – select to add the new tab with selected map displayed:

ap Type:	Online maps	
aption:	New Map	
vailable Maps		
Name	Path	State
MAPNIK		OK
CYCLE		OK
TRANSPORT		OK
LANDSCAPE		OK
MAPQUEST		OK
BING_ROAD		OK
BING_AREA		OK
BING_HYBRID		OK



- Map Type select Map Type in the Dropdown List;
- Caption specify the caption for the new map. New Tab Name will be the same as Caption;
- 7. Open Map in Window select to open new Window with selected map displayed:

Select Map	×
Map Type: Online maps	•
Caption: New Map	
Available Maps	
Name Path	State
MAPNIK	ОК
CYCLE	ОК
TRANSPORT	ОК
LANDSCAPE	OK
MAPQUEST	OK
BING_ROAD	ОК
BING_AREA	ОК
BING_HYBRID	ОК
Add Remove	OK Cancel

- Map Type select Map Type in the Dropdown List;
- Caption specify the caption to display as map tab title. New Tab Name will be the same as Caption;
- Available Maps select map in the table. User can add a map using its URL:

Add Map	×
Name:	New Map
URL:	http://www.openstreetmap.org/#map=9/39.2376/-104.7189
	Example: http://tile.openstreetmap.org/{z}/{x}/{y}.png
	OK Cancel

Click Add button, type in the Name for new map and specify the URL.

Click **OK** to open the window with new map.

**8. Google Earth** – TRBOnet Dispatch Software supports Google Earth software. Go to Map, **Google Earth** to open the application.

**Note:** Google Earth should be installed on the PC. For more information about working in Google Earth visit Google official website <u>http://www.google.co.uk/earth</u>

9. Delete Routes from Google Earth – select to delete all routes from Google Earth.

**10.** Show Radios on Google Earth – select radio's type to display on Google Earth.



#### Tools

<u>F</u> ile <u>V</u> iew <u>M</u> ap <u>T</u> ools <u>H</u> elp		
Radio 片	Radio Interface	
	Radio Interface Radio Interface #1 Recent Calls/Events	
	Active Calls	Quick Commands
Online Dispatchers (2)		Configure
		TX Passive X
Z Dispatcher		🔺 🥥 Record 🔻 😰 File 🔻
Ξ 📙 0		To: Selected Control Stations
💰 0 🛤		CroceDatch X
💰 12 📮 📎	DIT	CrossPatch X
	Broadcast Call 🔻	Drag and Drop Control Station here
		to create new group
	Session:	
	Free channel	
Radio	Sender:	
GPS Positioning		
and Job Ticketing	RX / TX	
3 Job Ticketing		<b>•</b>
Route Management	Recent Calls/Events	
	🎒 Playback 📕 Save 💷 Pause 🍼 Clean 🧐 Reload  🌇 Filter By Radio 📑 Gro	uping 🍸 Auto Filter 🎡 Default Settings 🂙
🔀 Text Messages	Date  V Control Station Sender Recipient Message	Note
	26.02.2014 15:36:39 Intercom Dispatcher All Intercom Call:	Dispatcher 'Dispatcher' ca
Reports and Statistics	🔀 26.02.2014 15:00:00 RadioServer All The Control St	ation for this operation is
	🔀 26.02.2014 14:00:00 RadioServer All The Control St	ation for this operation is
Event Log	26.02.2014 13:00:00 RadioServer All The Control Si	ation for this operation is
	26.02.2014 12:00:00 RadioServer All The Control Si	ation for this operation is
1 Telemetry	26.02.2014 11:00:00 RadioServer All The Control Si	ation for this operation is
	H 4 4 Record 5 of 553 + + + + 4	
Radio Allocation	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity	Мар

Select **Tools Menu** to manage the Dispatch Console:

Click **Tools** button to open the Context menu:

	Event Log in Window				
	Recent Calls/Events in Window				
8	Job Ticketing Monitoring				
6	Telemetry Monitoring				
2	Text Messages in Window				
-	Routes in Window				
	Terminate All Transmissions				
<del>%</del>	Options				
	Export Options				
	Import Options				
	Set Language				
<b>*</b> *	Change Password				

### Event Log in Window

Select to open the Event Log in the new Window:



🗵 Event Log		
Filter events	Talk Sessions	
Event Log Filter events  All Messages  Text Messages  For a signals  For a signal	Talk Sessions         Playback       Save       Pause       Clean       Reload       Image: Clean       Image: Clean       Reload       Image: Clean       I	Grouping Auto Filter * Recipient * r All r All r All r All r All r Date: 08.08.2013 17:43:52
	Recipient: All Intercom Call: Dispatcher 'Administrator' calls all dispatchers (00:01)	🗃 Playback ⋥ Save 🏢 Add Note

### Recent Calls/Events in Window

Select to display recent calls and events in window:



#### Dispatch Console Interface Overview

🖏 Playback 🛃 Save 🛛	🛛 Pause 🥩 Cle	an 🧐 Reload	🍯 🌃 Filter By R	adio   🐺 Grouping 🍸 Auto Filter 🍕	Default Setting	js	×
Date	Control Station	Sender	Recipient	Message	Note	Ext. Note	-
02.12.2013 16:00:03	Intercom	Administrator	All	Intercom Call: Dispatcher 'Administrato			
202.12.2013 16:00:00		RadioServer	All	The Control Station for this operation $\ensuremath{i}\ldots$			
02.12.2013 15:59:48	Intercom	Administrator	All	Intercom Call: Dispatcher 'Administrato			
02.12.2013 15:51:29	Intercom	Administrator	All	Intercom Call: Dispatcher 'Administrato			
202.12.2013 15:00:00		RadioServer	All	The Control Station for this operation $\ensuremath{i}\ldots$			
202.12.2013 14:00:00		RadioServer	All	The Control Station for this operation $\ensuremath{i}\ldots$			
202.12.2013 13:00:00		RadioServer	All	The Control Station for this operation $\ensuremath{i}\ldots$			
2 02.12.2013 12:01:10	IPSC #1 Slot 1	Radio 777	Unknown gro	Radio 'Radio 777' calls group 'Unknown			
2 02.12.2013 12:00:47	IPSC #1 Slot 1	Radio 777	Unknown gro	Radio 'Radio 777' calls group 'Unknown			
02.12.2013 12:00:00		RadioServer	All	The Control Station for this operation $\ensuremath{i}\ldots$			
2 02.12.2013 11:53:49	IPSC #1 Slot 1	Radio 777	Unknown gro	Radio 'Radio 777' calls group 'Unknown			
2 02.12.2013 11:47:09	IPSC #1 Slot 1	Radio 777	Unknown gro	Radio 'Radio 777' calls group 'Unknown			
2 02.12.2013 11:46:15	IPSC #1 Slot 1	Radio 777	Unknown gro	Radio 'Radio 777' calls group 'Unknown			
2 02.12.2013 11:45:57	IPSC #1 Slot 1	Radio 777	Unknown gro	Radio 'Radio 777' calls group 'Unknown			
2 02.12.2013 11:35:54	IPSC #1 Slot 1	Radio 777	Unknown gro	Radio 'Radio 777' calls group 'Unknown			
2 02.12.2013 11:34:08	IPSC #1 Slot 1	Radio 777	Unknown gro	Radio 'Radio 777' calls group 'Unknown			
2 02.12.2013 11:34:00	IPSC #1 Slot 1	Radio 777	Unknown gro	Radio 'Radio 777' calls group 'Unknown			
2 02.12.2013 11:00:00		RadioServer	All	The Control Station for this operation i			
4 44 4 Record 13 of 409	► ₩ ₩ ◀					Þ	ſ
Sender: Recipient: Radio 'Radio 777' calls grou	Radio 777 Unknown group: : p 'Unknown group	1010 : 1010' (00:03)			Date: 02.12.: Playback 🕞 Save	2013 11:46:15	1

Click **Playback** button to playback recorded calls;

Click **Save** button to save calls as audio files (\*.wav);

Notes can be added to the event, select event in the list and click Add Note button:

Note			×
test note			<b>_</b>
			<b>v</b>
Add Extension	Γ	ОК	Cancel

Type in note text in the field.

Click **OK** to add a note.



### Job Ticketing Monitoring

Select to monitor all Job Tickets in the system, created by Dispatchers and assigned to Radios:



- 1 select time period to show Job Ticketing data;
- 2 monitor tasks created by Dispatchers;
- **3** monitor tasks, assigned to radios.

All tasks data is shown graphically and in the form of the Status Diagram.

#### **Telemetry Monitoring**

Select to monitor configured telemetry profiles in the separate window:

🔹 Swift.Tracker telemetry										
Show: Swift.Tracker telemetry 💌										
Radio	•	Alarm	12V	Pin1	Pin2	Pin3	Pin4	Pin5	Low Battery	Pin7
Radio 105		No Alarm	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF



• **Show** – select telemetry profile to display the data.

#### Text Messages in Window

Select to open Text Messages dialog in the separate window:

🥃 Text Messages		
di = 1 & XY O	🍼 🥩 Clean 👸 Reload	
1.	01, 10, 2013 15:50:51 Administrator to All test	
Contine Dispatchers (1)     Administrator	01.15.2013 15:50:58 Administrator to All test test	
Online, GPS Fixed (0)	01.10.2013 15:53:10 Administrator to All alarm	
Offline (0)	2	4
	Recipient: S Online Dispatchers	💌 🛃 Send
	2	
	<b>`</b>	

1 – User can see Online Dispatchers in the list;

**2** – Select the Recipient in the dropdown list. User can select all online Dispatchers, radio groups and radios registered in the system;

**3** – Type in Text Message in the field;

Click **Send** button to send the Text Message.

The text Message will be displayed in the field above.

#### **Routes in Window**

Select to display Route Management page. *For more details on Route Management configuration see <u>Route Management</u> section.* 

#### Terminate All Transmissions

Select to terminate all Voice calls in the system. This action is a "hard" inquiry to stop all transmissions in the TRBOnet software and is intended to stop any "hanged" transmission in TRBOnet. If radio communication session does not allow to be



interrupted on a repeater or base station it will be interrupted for radio, but for TRBOner software only.

#### **Options**

Select to customize Console Settings.

#### Sound Options

Go to **Sound** Tab to configure Sound Notifications:



 Use Sound Notifications – check this option to enable sound notifications in Dispatch Console.

Choose the event in the list and specify the sound.

#### Sound:

- Select **Sound by default** in the dropdown list to set the default sound for the event.
- Select **Disabled** to disable sound notification for the event.

Click button to listen to the current sound notification.



Click **Select** button to browse the sound on your PC.

 Alarm of Emergency Call duration – select time value in seconds for Alarm Tone when Emergency Call received.

#### Map Options

Go to **Map** Tab to configure images on map:

Options 💽
Sound Map Hardware Advanced Volume Alarm
Configure the size of images that are shown on the map
Map refresh interval: 30 seconds
Select the image size: 32 x 32 pixels
Select the default image type:
Show the direction of motion:
The images below will be shown on the map: Radio is turned off:
Radio is turned on, but GPS module does not
Radio is turned on and GPS module works
Radio transmits Emergency Call or sends Alarm signal via telemetry:
OK Cancel

- Map refresh interval type in time period to update map data;
- Select the image size in the dropdown list;
- Select the default image type in the dropdown list;
- Show the direction of motion select to monitor objects' motion.

#### Coverage Map Options

TRBOnet Dispatch Software allows to see RSSI levels on a map.

**RSSI** - received signal strength indicator. Measures radio signal loss from one map point to another.

RSSI map can be used by radio systems engineers to plan further radio network extension.



Options		<b>—</b>
Sound Map Coverage Draw in Dots Draw Coverage Zor 100 RSSI Zon	e Map Hardware Advanced	Volume Alarm
Value (dB)	Description	Color
-65	Good	YellowGreen
-80	Average	📃 Orange 🖃
-00	Bad	255, 0, 0
Add	leiete	Default
		OK Cancel

Go to **Coverage Map** tab to set signal strength levels (RSSI) displaying on map:

 Draw in Dots – select to display RSSI level on map as dots that represent coordinates points for more detailed data view:





 Draw Coverage Zone – select to configure RSSI zone in meters and display on map average data of RSSI level GPS coordinates for more common data view:



Click Add button to add new RSSI level.

Set RSSI level parameters:

- Value set the minimum level for the signal range (e.g., -65 means -65 and higher);
- Description input level name to display in the system;
- **Color** click to select color for RSSI indication on map.

To view RSSI levels on map go to GPS Positioning page and enable **Coverage Map** on Map Tools panel.

Set Start Date and End Date to display RSSI data.

#### Hardware Options

Go to **Hardware** tab to configure USB devices, Proxy Server and active audio device options:



<b>.</b>								
Options							×	
Sound	Мар	Coverage Map	Hardware	Advanced	Volume	Alarm		
External hardware options. You can attach an additional equipment to control PTT button (footswitch, hand microphone, etc)								
🔽 En	Enable external hardware support							
Sp	ecify use	d serial port:	COM1			•		
			V TRE	3Onet footsv	vitch			
🔲 En	able USB	device						
De	vice nam	e:				-		
PT	T Button	:				-		
Pre	essing ind	dicator:						
VoIP f	first port:		4022		*			
<mark>. Us</mark> <u>Co</u>	e proxy s nfigure	server						
Config	gure audi	o devices:						
Pla	ayback de	evice (Speaker):	Primar	y Sound Driv	er	-		
Re	corder d	evice (Mic):	Primar	y Sound Cap	ture Drive	er 🔻		
			<u>Config</u>	ure				
					ОК	Car	ncel	

**Enable external hardware support** – select to use external hardware devices, e.g. mic connectors. Select a port where device is connected to.

 TRBOnet footswitch – select if you are going to use TRBOnet footswitch as PTT button.

**Enable USB device** – check to enable support USB devices (e.g. USB connected microphones).

Connect a microphone to PC via USB device. Go to <u>Options</u>, **Hardware**. Check **Enable USB Device**.

- Device name select microphone name in the dropdown list;
- PTT button all available PTT buttons are represented in the dropdown list. Select PTT button in the dropdown list and Press the PTT button on the microphone. When microphone PTT and PTT button in Dispatch Console are set up correctly, Pressing Indicator becomes green.
- VolP first port port for audio communication. Specify VolP first port (4022 set by default). Each additional Dispatch Console will create connection to next port;



**Use proxy server** – select to enable Proxy Sever service in TRBOnet Dispatch Software to access the Internet.

Proxy server can be used when a user's computer cannot be connected directly to the Internet, but there is another computer with Internet access in the network.

Click **Configure** button to set the alternative server settings:

Configure the proxy server
Use an alternate server Settings
Address: 177.71.134.70
Port: 3128 (*
Authentication
Login: User
Password: ••••••
OK Cancel

- Use an alternate server select to enable a proxy server;
- Settings specify the alternate server address and port;
- Authentication
- Use authentication select to use individual login and password to connect to the alternate server.

Click **OK** to add the proxy server.

#### **Configure audio devices**

- Playback device (Speaker) select the audio device for to play incoming voice messages and playback voice recordings in Dispatch Console;
- Recorder device (Mic) select the recording device where the microphone is connected.

**Note:** If Dispatch Console is running on the same PC with TRBOnet RadioServer connected to control stations via programming cable and sound card, playback and recorder devices cannot be the same for Dispatch Console and TRBOnet RadioServer.

Click **Configure** to set Recorder Device:



Configure Recorder	<b>x</b>
✓     Use frequency filter       □     □	4000
Min: 0 🛧 Max: 4000 🛧	4000
OK	Cancel

**Use frequency filter** – select if you are going to configure mic. using frequency filter to reduce external noise level.

Set min. and max. values to set frequency range and click **OK** to save the settings.

## Advanced Options

Go to **Advanced** Tab to configure Dispatch Console Advanced settings:

Options	×
Sound Map Coverage Map Hardware Advanced Volume Alarm	
Configuration Scope	~
Per machine: all dispatchers share the same workspace	
O Per user: a separate workspace for each Windows user account	
PTT Options	
Send Alert Tone to external PTT device	
Use Record Mode with external PTT device	
$\checkmark$ Suggest Queued Message when channel is busy or subscriber radio is offline	
<ul> <li>Enable Short Press PTT (press and release instead of press and hold)</li> </ul>	
✓ Use 'Space' hot key for press Push-to-Talk <u>Configure</u>	
Voice Options	
Mute audio from other dispatchers	
Mute audio from private calls	
Mute all receive sources during voice input	
Automatically set channel to Solo when transmitting audio	
Automatically unmute channel when transmitting audio	
View Options	
Show extended notes	
Jos popula windows to display incoming Tayt Messages	
	·
OK Cancel	





#### Radio station name pattern configuration

Display Formats	x
Radio display name:	
Worker 1	
Example: Worker1	
Allocated radio display name:	
Worker 1 (USER 1)	•••
Example: Worker1 (USER1)	
Allocated radio display name (the owner has more than one radio):	
Radio2 (USER 1)	
Example: Radio2 (USER1)	
Defaults OK Car	ncel

- Radio display name specify a custom alias for selected radio;
- Allocated radio display name specify a custom alias for selected radio in the Allocation Console;
- Allocated radio display name (the owner has more than one radio) specify a custom alias for selected radio in the Allocation Console in case when user has more than one radio.

- Radio Callsign select to add a Radio Callsign;
- Radio Owner name select to add an Owner name;
- Radio ID select to add radio ID data;
- Active Channel select to add an Active Channel for Radio.

Click **Default** button to set default settings for Radio Display.

#### **Extended Notes**

The Extended Nodes feature is intended to add predefined Extended Notes templates, the same as for Extended Messages, for selected calls and events.

For more details on templates see <u>TRBOnet Administration Guide</u> **Template Maker** section.

E.g., a taxi dispatcher needs to check clients' calls response period for the company internal monitoring of the employees. He can add a predefined template and check the time period. All Extended Notes are displayed in the Extended Notes column:


	Date ∇	Radio System	Sender	Recipient	Message	Ext. Note	Note
$\mathbb{R}$	7/7/2014 3:49:56 AM		Radio 11	All	Geofencing Alarm [Dat		
R	7/7/2014 3:49:56 AM		Radio 11	All	Radio left allowed region		
ł	7/7/2014 3:47:52 AM	Repeater #1 Slot 1	Radio 105	Dispatcher	Administrator Accept		1
R	7/7/2014 3:41:24 AM	Repeater #1 Slot 1	RadioServer	Radio 105	Telemetry status cann		
ł	7/7/2014 3:40:16 AM		Administrator	All	test		
2	7/7/2014 3:39:08 AM	Repeater #1 Slot 1	Radio 105	Unknown group: 1010	Radio 'Radio 105' calls	View	
P	7/7/2014 3:32:55 AM		Administrator	Radio 105	Dispatcher 'Administra		
R	7/7/2014 3:18:43 AM		105	All	On Duty		> 2
1	7/7/2014 12:56:40 AM	Intercom	Dispatcher 1	All	Intercom Call: Dispatc		<b>4</b>
1	7/4/2014 4:01:35 AM	Intercom	Dispatcher 1	All	Intercom Call: Dispatc		
Ā	C [24]2014 E-20-4E AM	*-*	a distance and	**			

Click **Extended Notes** button (1) to fill the template;

Click View button (2) to see the Extended Note.

- Display confirmation dialogs select to enable dialogs to confirm Dispatcher actions with Confirmation dialogs required (e.g. send configured Voice Message from Dispatch Console);
- Show incoming Text Messages in popup window select to optimize incoming Text Messages view:

jile View Map Iools Help				
Radio	Radio Interface			
	Radio Interface Recent Calls/Events			
	Mute Mode	Quick Commands 🛛 🗶 📤		
105     Radio 100100     Radio 1010     Radio 1010     Radio 1010     Radio 1015     Radio 105	Thereom	Configure TX Passive Configure Configure TX Passive File To: Selected Channels		
Radio	Test Call	Cross Patch X		
GP5 Positioning	P Message 1 of 1 Radio 105 Radio 105	Drag and Drop PTT Box here to create new group		
Job Ticketing	Recent Call Text message	Ð		
💓 Route Management	Playbac Playbac VI/2014 3-47 Am Brouping Auto Filter Default So Accept Note	Settings Petails Show Notes 🐥		
C Text Messages				
Reports and Statistics	7/7/201     vidio 105' calls group 'Unknown gr       7/7/201     er 'Administrator' has requested	Members: Radio 105		
Event Log	** 7/7/201     Do not show this message next time       27/7/201     Call: Dispatcher 'Dispatcher 'Dispat	Members: Dispatcher 1		
Telemetry	Zall: Dispatcher 1 ca Call: Dispatcher 1 ca	Members: Dispatcher 1 Members: Administrator		
গি Radio Allocation	Construction         Construction<	Members: Unknown radio		
administer	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Map	4		

- Minimize window on X-button click select to use close-button to minimize Dispatch Console;
- Measurement system select Metric or American measurement system in the dropdown list.
- Coordinate system select coordinate system in the dropdown list. On Map select to display coordinates on the map.

### Volume Options

Go to **Volume** Tab to configure speakers and volume settings:



·					_	
Options	Options 💌					
Sound Map	Coverage Map	Hardware	Advanced	Volume Alarm		
Selected o	hannel:			<u>Defaults</u>		
Speaker:	Lef	t and Right		-		
Volume:	$\Theta$		-0	$\oplus$		
Unselecte	d channel:			<b>Defaults</b>		
Speaker:	Lef	t and Right		•		
Volume:	$\odot$		-0	$\oplus$		
Intercom:				Defaults		
Speaker:	Lef	t and Right		•		
Volume:	$\ominus$		-0	$\oplus$		
System so	ounds:			Defaults		
Speaker:	Lef	t and Right		•		
Volume:	$\Theta$		-0	$\oplus$		
SIP Interc	onnect:			<u>Defaults</u>		
Speaker:	Lef	t and Right		•		
Volume:	$\Theta$		-0	$\oplus$		
				OK Can	cel	

- Customize selected channel speakers and volume parameters;
- Customize unselected channel speakers and volume parameters. This option is intended for radio channels which are not selected in Dispatch Console. See the screenshot below:



<u>F</u> ile <u>V</u> iew <u>M</u> ap <u>T</u> ools <u>H</u> elp							
Radio	Radio Interface						
🚮 🗄 🗄 🚴 🛠 🍸 🚳	Radio Interface Radio Interface #1 Recent Calls/Events						
	Active Calls Quick Commands	X					
🗉 🧶 Online Dispatchers (2)	Configure	)					
Administrator	TX Passive	5					
Dispatcher		3					
		2					
	CrossPatch	×					
	Broadcast Call						
	to create new group	J					
	Session						
	Free channes						
Radio							
	- Sender:						
GPS Positioning							
	RX / TX						
🔠 Job Ticketing							
C	Recent Calls/Events	1					
koute management	🕅 Playhack 🔲 Save 🔢 Pause 🚿 Clean 🍇 Reload 🌃 Filter By Radio 🚍 Grouping 🍸 Auto Filter 🎯 Default Settings	>>					
Text Messages	Date						
	26.02.2014 15:36:39 Intercom Dispatcher All Intercom Call: Dispatcher 'Dispatcher' ca						
Reports and Statistics	😿 26.02.2014 15:00:00 RadioServer All The Control Station for this operation is						
	26.02.2014 14:00:00 RadioServer All The Control Station for this operation is						
Event Log	26.02.2014 13:00:00 RadioServer All The Control Station for this operation is						
	26.02.2014 12:00:00     RadioServer All The Control Station for this operation is						
Telemetry	25 07 2014 10·00·00     RadioServer ΔII     The Control Station for this operation is	•					
(M) Padia Allegation	Imit         Imit <t< th=""><th></th></t<>						
Raulo Allocation	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Map						

- Customize Intercom speakers and volume parameters. This option is intended for Intercom Voice session between Dispatchers;
- Customize system sounds speakers and volume parameters ;

To see the list of system sounds go to Options, **Sound** Tab.

 Customize SIP Interconnect speakers and volume parameters. This option is intended for SIP calls;

### Alarm Options

Go to **Alarm** tab to configure radio in Alarm mode settings:



Dptions							
Sound	Мар	Coverage Map	Hardware	Advanced	Volume	Alarm	
	Radio in a Map: MA <u>Select ma</u>	alarm mode in nev PNIK a <u>p</u>	v window				
<b>V</b>	Always s	how radio in alarn	n mode on m	ap			
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			-			
					ОК	Ca	ncel

- Radio in alarm mode in new window select to display any radio in alarm mode in new window on the selected map type.
- Map in the field default map for radio is displayed. Click Select map button and specify a default map type for displaying radio in alarm mode;
- Always show radio in alarm mode on map select if you want offline radios in alarm mode to be displayed on selected map type anytime when an alarm from any radio comes.

**Note:** When **Always show radio in alarm mode on map** option selected, you cannot disable offline radios in alarm mode displaying on map:



Click **Default** button to reset settings to defaults.



Click **OK** to save modified Dispatch Console options.

#### **Export/Import Options**

Dispatcher can export customer Dispatch Console settings (Volume level, UI view, hotkeys configuration, etc.) as .config file and save them to local PC or any selected external device.

Click **Export Options** and save settings to the selected directory.

If you are going to apply exported settings to another TRBOnet Dispatch Console, launch the console, go to **Tools** > **Import Settings** and select .config file with saved settings.

#### Set Language

Select **Set Language** to change Dispatch Console's language:

Select Language		
Language:	English	
	OK Cancel	

Select language in the dropdown list and click **OK**.

The changes will apply with the next launch of console.

#### **Change Password**

Select to change Dispatcher's password to access the Dispatch Console or create new password to connect to Dispatch Console:

Change Password				
Change Pass	word			
<u>O</u> ld password:	•••••			
<u>N</u> ew password:	•••••			
<u>R</u> epeat password:	•••••			
	OK Cancel			

- Type in Old Password.
- Type in New Password and then confirm it in the field below.



Click **OK** to change the password.

## Help

- Send feedback click to see Neocom Software, Ltd. contact details.
- **About** click to see your TRBOnet Dispatch Software info.



# **Voice Dispatch**

On Radio Interface tab Dispatcher can make radio and phone calls, send text messages to radios and phone numbers, monitor recent calls and events, radio state, active tasks and routes and view selected map in minimal mode.

## **Subscriber List View Options**

The toolbar buttons above the subscriber list modify the appearance of the list:



View by radio groups:





List view - alphanumeric descending list:

Radio	
🕼 🔚 🗄 👶 🚿 🍸 🔊	
😤 AdmiNistrator	
😤 Dispatcher	
<mark></mark> 0	Þ
📙 base	9
📙 Department 1	9
📙 Department 2 📏	9
📙 Emergency group	Ş
📙 firemen	9
📙 test group	9
۵ کی	9 🕫
💰 105	9 🕫
113	3
🖔 114	3
<table-row> 115</table-row>	3
116	3
l2	9 🕫

View by logical groups:



Filter radio subscribers by status:





 Yellow – radio is online and enters beacon coverage zone, has Indoor positioning lock.

**Note:** When GPS location is available and the radio enters the beacon coverage zone, the status turns yellow, not green

- Blue radio is online, GPS data is not available;
- Green GPS data available. Shown if the Server has received GPS data during the last 10 minutes (the time interval is set in the server configuration);
- **Grey** radio offline.



Customize quick buttons and the radio list view options:

	Settings	<b>×</b>		
	Hide/Show quick buttons			
	Radio buttons			
Radio	V Find on Map	V Private Call		
	Find on Google Earth	Send Message		
🖸 💳 E 🚾 🕺 🍸 🔊	Show Route	Send Call Alert		
	Show Route on Google Earth	Blocking On/Off		
	Google Street View	Monitoring Radio		
🗉 🤵 Online Disp	Set Device Location	Presence in Network		
	On/Off GPS Trigger	Remote Monitor		
Administ	Radio Group Buttons			
😤 Dispatch 📒	Send Message	🕅 Reset GPS Trigger		
	Logical Group Buttons			
	Send Message			
Online, GPS	Additional options			
🗉 🦲 Online, No	Show checkboxes	Show GPS trigger state		
	Preview:			
	🖃 📙 Radio Group	ę		
	🖈 Radio 1			
	Radio2	0 9 9 0 0		
	Radio S	GPS 🛰 🔫 🔪 🔤		
	Logical Group	9		
	· · ·			
		OK Cancel		

- Radio buttons select options you want to see in the Subscriber List for radios.
   The preview is in the lower part of the Setting window.
- Radio Groups buttons select options you want to see in the Subscriber List for radio groups. The preview is in the lower part of the Setting window.
- **Logical group buttons** select options you want to see in the Subscriber List for logical groups. The preview is in the lower part of the Setting window.

Additional options:

Show checkboxes – select to display radios and radio group checkboxes. When
radio sends GPS and this data is saved in the database you can enable or disable
radio position on map by selecting the checkboxes. Check box is not displayed
in case of any GPS data for the radio.







Radio is displayed on the map.

Unselect the checkbox to disable the display of the position on map.

 Show GPS trigger state – select to display radios GPS trigger state in the Subscriber List.

Color	Description
Grey	Radio is offline.
Blue + white dish	Radio sends ARS is online without any GPS data
Blue + red dish	Radio sends ARS online and GPS packets without GPS data (radio is out of GPS coverage)
Green	Radio is online



### Filter the Subscriber List

Click the Filter button it o select the subscriber list elements to display:

file View Map Iools Help				
Radio	Radio Interface			
🖬 🗄 🛔 👶 🚿 🍸 🛇	Radio Interface Recent Calls/Events			
Radio, Dispatchers, Radio Group, Logical Gro  Type:  Radio Dispatchers Radio Radio Radio Radio Radio Radio	Image: Signature			
✓ Kadu Group     ✓ Logical Group     Status:     ✓ Online, Indoor     ✓ Dnline, GPS Fixed	Image: state of the state			
Online, No GPS Offline OK Cancel	Image: Constraint #2       Image: Constraint #2       Image: Constraint #2       Image: Constraint #2         Image: Constraint #2       Image: Constraint #2       Image: Constraint #2       Image: Constraint #2         Image: Constraint #2       Image: Constraint #2       Image: Constraint #2       Image: Constraint #2         Image: Constraint #2       Image: Constraint #2       Image: Constraint #2       Image: Constraint #2         Image: Constraint #2       Image: Constraint #2       Image: Constraint #2       Image: Constraint #2         Image: Constraint #2       Image: Constraint #2       Image: Constraint #2       Image: Constraint #2         Image: Constraint #2       Image: Constraint #2       Image: Constraint #2       Image: Constraint #2         Image: Constraint #2       Image: Constraint #2       Image: Constraint #2       Image: Constraint #2         Image: Constraint #2       Image: Constraint #2       Image: Constraint #2       Image: Constraint #2         Image: Constraint #2       Image: Constraint #2       Image: Constraint #2       Image: Constraint #2       Image: Constraint #2         Image: Constraint #2       Image: Constraint #2       Image: Constraint #2       Image: Constraint #2       Image: Constraint #2       Image: Constraint #2       Image: Constraint #2       Image: Constraint #2       Image: Constrait#2       Image: Constraint#2			
Job Ticketing				
😿 Route Management	Recent Calls/Events			
C Text Messages	🖾 Playback 🚽 Save   11 Pause 💞 Clean 🍣 Reload   🍸 Filter By Radio   🐺 Grouping 🍸 Auto Filter 🗇 Default Settings   🚞 Show Noteš Date 🗸 Control Station Sender Recipient Message Note			
Reports and Statistics	Pp         06.03.2014 15:00:00         RadioServer         All         The Control Station for this operation is not f           0         06.03.2014 14:49:48         Repeater #1 Sl         105         Unknown group         Radio '105' calls group 'Unknown group: 20' (0			
Event Log	D6.03.2014 14:00:00         RadioServer         All         The Control Station for this operation is not f           D6.03.2014 13:00:00         RadioServer         All         The Control Station for this operation is not f			
1 Telemetry	10:03.2014 12:00:00     RadioServer     All     The Control Station for this operation is not f       10:03.2014 11:00:00     RadioServer     All     The Control Station for this operation is not f			
🔞 Radio Allocation	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Map			

- 1. Open dropdown list;
- 2. Select objects type and status to filter the radio subscribers.

You can select filter by radio groups (e.g. Firemen and Emergency) and online radios to see only online radios in Firemen and Emergency groups.

Click **OK** to apply filter settings.

The refresh button 🔯 reloads the subscriber list.

### **Quick Radio filter**

Type in Radio ID or Radio name to filter the radio list. Search results are displayed in the subscriber list:



<u>F</u> ile <u>V</u> iew <u>M</u> ap <u>T</u> ools <u>H</u> elp	
Radio	Radio Interface
	Radio Interface Recent Calls/Events
105         Image: Contract of the second secon	Image: Signature of the second sec
	Image: state of the state
Radio	Department #2 0 C Base 0 C Voice Message
GPS Positioning	PTT     Select a group     Drag and Drop Control Station
😸 Job Ticketing	here to create new group
Route Management	Recent Calls/Events
🖂 Text Messages	🎒 Playback 🚽 Save   11 Pause 💞 Clean 🗞 Reload   🍟 Filter By Radio   🗮 Grouping 🍸 Auto Filter 💿 Default Settings 📔 Show Noteš
Reports and Statistics	2         06.03.2014 15:40:13         Repeater #1 Sl         Unknown radio: 3         Unknown group         Radio Unknown radio: 3' calls group 'Unknow           %         06.03.2014 15:00:00         RadioServer         All         The Control Station for this operation is not f
Event Log	O         06.03.2014 14:49:48         Repeater #1 Sl         105         Unknown group         Radio '105' calls group 'Unknown group: 20' (0           %         06.03.2014 14:00:00         RadioServer         All         The Control Station for this operation is not f
1 Telemetry	Image: Weight of the second
(b) Radio Allocation	Image:

## **Radio Popup Window**

Dispatcher can see last received radio data in the Radio Popup Window. Select a radio in the Subscriber List and hover the mouse pointer over it:

Repeater #15	Slot 1 1 2
Lone Worl	ker 3
14:19	14:49
test 22	4
GPS: 27.03	.5014 15:17:35
Speed:	0,0 km/h
Altitude:	Unknown
Latitude:	59°56'39,66"N
Longitude:	30°15'06,78"E
Morgan ave Celeveland,	enue, 12, USA <b>6</b>

Click 🕥 button to request the subscriber's presence in the radio network

Click 🖼 button to send a text message to the radio subscriber

Click Button to request radio subscriber's location



1 - Current channel the radio is on

2 - The User Activity list the radio is assigned to is displayed if User Activity task is activated

3 - The Lone Worker policy's state is displayed if Lone Worker task is activated

4 – Route assigned for the selected radio if Route Management task activated for selected radio

5 - GPS: current GPS data and current radio location data.

6 – Current location.

#### **Radio Command Menu**

To open radio context menu, right-click a radio in the Subscriber List:

	Presence in Network
	Request Location
<b>#</b> \$	Find on Google Earth
<b>~</b>	Show Route on Google Earth
	Google Street View
	Yandex Street View
	Private Call
2	Send Message
	Send Call
	Remote Monitor (Open mic)
8	Disable Radio
	Reset GPS Trigger
	Monitoring in New Window
	Specify Custom Icons

When some tasks are assigned to a radio additional options will be displayed in the context menu list.

 Presence in Network – sends check radio command. If radio is on and is located in coverage area, Dispatcher can see a message:



Message 1 of 1	×
105 Repeater #1 Slot 2 Presence in Network	12.03.2014 13:51
Radio is in availability range Agent: Local Agent Control Station: Repeater #1 Slot 2	
Do not show this message next time	Show on map Request Location
< <prev next="">&gt;</prev>	Close

The message contains Agent and Control Station data for selected radio. Also, you can show selected radio on map and request its location.

- Request Location (for radios with GPS module only) select to see selected radio current location data
- Find on Google Earth select to display selected radio location on Google Earth
- Show route on Google Earth select to see radio route on Google Earth for the set time period
- Google Street View select to open Google Street View due to subscriber latest location and direction
- Yandex Street View select to open Yandex Panorama due to subscribers latest location and direction
- Private Call select to initiate Private Call to selected radio
- Send Message (for radios with display only) select to send text message to radio
- Send Call select to send a beep tone to selected radio for notifying the call
- Remote Monitor (open mic) select to activate subscriber radio mic in hidden mode (remote monitor duration – 30 sec.):

🛃 Departme	nt #1 🔊 📧 🖉
PTT	Emergency group 💌
	Session: Remote Monitor
	Dispatcher Sender: 105
RX / TX	



- Disable/Enable Radio select to disable ("stun kill") selected radio. To enable the radio make a right-click to open the context menu and select Enable Radio
- Reset GPS Trigger (for radios with GPS module only) select to customize GPS trigger settings. When you reconnect to a RadioServer or reassign GPS Profile to a radio, temporary settings will be updated to GPS Profile settings.

Reset GPS trigger	<b>—</b>
Reset GPS trigger Radio 105	
Reset GPS trigger	
<ul> <li>Stop GPS trigger</li> <li>Start GPS trigger</li> </ul>	
Change GPS interval	
Interval: 30.0	second
	OK Cancel

- Reset/Stop/Start GPS Trigger send appropriate command to the radio;
- **Change GPS Interval** allows to change GPS trigger update interval.
- Monitoring in New Window select to open GPS Positioning tab for selected radio in new window.
- Specify Custom Icons select to set individual parameters for radio icons:

	Status	Co	lor				
I	Offline	(A	) Offline			-	+
	Online, No GPS	6	Online,	No GPS		•	+ -
	Online, GPS Fixed		) Online,	GPS Fixed		-	+ -
	Online, Indoor	<u>é</u>	Online,	Indoor		•	+ -
	Alarm	6	Alarm			•	+ -
re	wiew					Re	eset
re	tview	Online		Online (GPS)	Online (Beacon)	A	eset
re	Offline	Online		Online (GPS)	Online (Beacon)	Al	arm

In the Custom Icons Window you can specify icons for selected radio status. Standard icons are represented in the dropdown list. To set custom color for radio



status icon click + button and select color in the uniform color palette. Click – button to delete custom color.

In the lower part of the window you can see icons preview.

To set default icons for selected radio click Reset button.

## **Voice Box Options**

Dispatcher makes voice calls from Dispatch Console using Control Station boxes:

<u>File View Map Tools H</u> elp				
Radio	Radio Interface			
💼 🗄 🛔 👶 🛠 🍸 😒	Radio Interface Recent Calls/Events			
105       Image: Continue Dispatchers (1)       Image: Dispatchers (1)       Image: Continue Dispatcher	SIP Interconnect	Free channel Broadcast Cal		tdj tdj tfgure TX Passive
	firemen (1) (1) (2) Free channel 2	Department #1 (1) (1) Free channel fremen		Record V File V Selected Control Stations t Voice Message
	Department #2     Image: Second	Base () () Free channel Broadcast Cal		crossPatch X and Drop Control Station
Radio		Ň		Emergency and
GPS Positioning	Recent Calls/Events			
😽 Job Ticketing	Date V Control Station	Reload   1 Filter By Radio   🚍 Grouping 1 Sender Recipient	Y Auto Filter @ Default Settings   Show Notes 3     Message     Dispatcher 'Dispatcher' calls group 'base' (00-04)	Add Note Add Message Note
Route Management	11.03.2014 15:49:32         Repeater #1 Slot 2           11.03.2014 15:49:32         Repeater #1 Slot 2	Dispatcher base Dispatcher base	Dispatcher 'Dispatcher' calls group 'base' (00:09) Dispatcher 'Dispatcher' calls group 'base' (00:09) Dispatcher 'Dispatcher' calls group 'base' (00:06)	
Text Messages	Image: 11.03.2014 15:49:06         Repeater #1 Slot 2           Intervention 11.03.2014 15:42:37         Repeater #1 Slot 1	Dispatcher firemen Unknown radio: 13 0	Dispatcher 'Dispatcher' calls group 'firemen' (00:04) Radio 'Unknown radio: 13' calls group '0' (00:03)	
Reports and Statistics	11.03.2014 15:41:11           11.03.2014 15:10:29           Repeater #1 Slot 1	Dispatcher Dispatcher Unknown radio: 13 0	jhbhb Radio 'Unknown radio: 13' calls group '0' (00:04)	
Event Log	№ 11.03.2014 15:01:08 Intercom № 11.03.2014 15:00:00	Dispatcher All RadioServer All	Intercom Call: Dispatcher 'Dispatcher' calls all dispatchers	test
Telemetry	11.03.2014 14:00:00         11.03.2014 13:00:00	RadioServer All RadioServer All	The Control Station for this operation is not found The Control Station for this operation is not found	•
Radio Allocation	Recent Calls/Events Recent Calls Radio State Activ	re Tasks Active Routes User Activity Map		4

The following options available for Control Station:

Click velocity button to make this channel a radio default PTT channel (for external microphone or spacebar).

Click 🕘 (Tone and PTT) button to start transmitting after a tone sound.

Click 📧 (Solo) button to mute all channels except for this one.

Click 🙋 (Mute) button to mute this channel.

Right-click selected Control Station box to display the context menu. The following options are available in the Control Station boxes context menu:



#### Voice Dispatch

<u>File View Map Tools H</u> elp				
Radio	Radio Interface			
et := t: & % 7 S	Radio Interface Recent Calls/Events			
				Quick Commands 🛛 🗙 📤
Colina Dianatahara (1)	🖉 SIP Interconnect 🛛 📧 🥥	Intercom		
	1 2 3	Free channel		tdj
🖬 📊 firemen	4 5 6 Menu 🙃	PTT		
💰 105 📮 😢		broadcast Call		TX Passive 🗙
	firemen II II O	Department #1		Record V Ele V
				To: Selected Control Stations
	PTT	PTT PTT		Start Voice Message
		firemen V Defa	ault PTT channel	
		Spe	cify Hot Key	Voice Message
	Department #2 💿 📧 🥥	Base Add	d to New Group	Voice Message
	Free channel	Free channel Ton	ne and PTT	Course Particle (197
	PTT	PTT	te this channel	CrossPatch X
	base	Broadcast Cal	te all channels except this	Drag and Drop Control Station
		Val		nere to create new group
Radio				
		Terr	minate Transmission	Policy
GPS Positioning	Recent Calls/Events	Res	et Control Station	
8-0	Playback 🔚 Save   🔢 Pause 🍼 Clean 🥘 R	eload 📔 Filter By Radio 🚍 🦷 Min	nimize ttings Show No	tes 📑 Add Note 🖙 Add Message
Job Licketing	Date	Sender Recipient	Message	Note
Reute Management	₩ 11.03.2014 16:18:08 R	ladioServer All	The Control Station for this operation is not found	(105)
Koute Hanagement	11.03.2014 15:49:38 Repeater #1 Slot 2	lispatcher hase	Dispatcher 'Dispatcher' calls group 'base' (00:04)	
Text Messages	11.03.2014 15:49:32 Repeater #1 Slot 1 D	Dispatcher base	Dispatcher 'Dispatcher' calls group 'base' (00:09)	
	11.03.2014 15:49:32 Repeater #1 Slot 2 D	Dispatcher base	Dispatcher 'Dispatcher' calls group 'base' (00:06)	
Reports and Statistics	11.03.2014 15:49:06 Repeater #1 Slot 2 D	Dispatcher firemen	Dispatcher 'Dispatcher' calls group 'firemen' (00:04)	
	11.03.2014 15:42:37 Repeater #1 Slot 1 U	Jnknown radio: 13 0	Radio 'Unknown radio: 13' calls group '0' (00:03)	
Event Log	A 11.03.2014 15:41:11 D	Dispatcher Dispatcher	jhbhb	
	11.03.2014 15:10:29 Repeater #1 Slot 1 U	Jnknown radio: 13 0	Radio 'Unknown radio: 13' calls group '0' (00:04)	
Telemetry	11.03.2014 15:01:08 Intercom D	All All	Intercom Call: Dispatcher 'Dispatcher' calls all dispatch	ers 🔄 test
	HI HI HI Record 1 of 592 + ++ +H H	All All	The Control Station for this operation is not found	•
🖄 Radio Allocation	Recent Calls/Events Recent Calls Radio State Active	Tasks Active Routes User Activity Map		

- Default PTT channel select to make this channel radio default PTT channel (for external microphone or spacebar)
- Specify Hot Key select to specify the hot key to transmit on this radio channel
- Add to New Group select to add a radio group attached to selected radio box in Custom Cross Patch box. When two or more groups added on custom Cross Patch box, Dispatcher can click Create button to enable custom Cross Patch for selected groups.
- Tone and PTT click to start transmitting after a tone sound
- Mute this channel click to mute selected channel
- Mute all channels except this click to mute all channels except selected one
- **Volume** allows to specify volume level on the selected channel
- **Terminate Transmission** click to terminate a call on the selected channel
- Reset Control Station click to reset the control station or repeater slot
- **Minimize/Maximize** click to minimize or maximize the control station box.



## **System Elements Properties**

To see the properties of the MOTOTRBO system elements, right-click the selected element at the bottom of Dispatch Console window:



Dispatcher can see Active and Inactive registered systems. In case you have more than 10 registered systems, systems are grouped and can be seen in the Dropdown list.

Common information for all system elements is listed below:

### Description

On the **Description** tab see the general info:



Repeater #1 Slot 2		×
Description Chan	nels Transmits	
System Type:	IP Site Connect	
System ID:		
Caption:	Repeater #1 Slot 2	
	OK Cano	el

- System Type system type for Repeater/digital or analogue mode for Control Station.
- **System ID** an unique System Identifier, configured in TRBOnet RadioServer configuration for repeater of controllers of a system;
- **Caption** input channel name.

#### Channels

On the **Channels** Page see channel properties:

2		×
Description Channels Transmits		
😭 Properties 崇 Control 🚔 Re	set	
Name	Voice	Data
🗸 Repeater #1 Slot 2	RX, TX	RX, TX
	OK	Cancel

Click **Properties** button to see repeater additional data:



Repeater #1 Slot	2	×
Description Ta	lk groups Volume	
ID:	ed4df44d-c73f-4bd4-b742-6f6f7b78ea04	
Name:	Repeater #1 Slot 2	
Type:	MOTOTRBO Repeater	
Mode:	IP Site Connect	
Connected		
Serial Num	484TKS6604	
Firmware	version: 2.20.10.0	
	OK Can	cel

- ID default registration number (manufacturer's number);
- **Name** system element's name in the system;
- **Type** system type for Repeater/digital or analogue mode for Control Station.
  - o For Repeater see <u>TRBOnet Administration Guide</u>.
- Mode system type for Repeater/connection mode for Control Station.
  - For Repeater see <u>TRBOnet Administration Guide</u> MOTOTRBO Radio Systems section.
  - For Control Station see <u>TRBOnet Administration Guide</u> Control Stations Connection Modes section.

#### Connected

- Serial number default system element's serial number (manufacturer's number);
- Firmware Version current system element's firmware version.

Click **Reset** button to test the connection to system element.

**Note:** For a repeater: **Reset** button reconnects the repeater. For Control Station: **Reset** button reloads the radio.

#### Talk groups (For Repeaters only)

On the Talk groups tab see selected Talk group info:



epeate	r #1 Slot 2	×
Descri	ption Talk groups Volume	
Spe	cify available talk groups	
	All Call	
	Department 1	
	Department 1	
	Department 2	

Specify available Talk groups for the system element in the list of created Talk groups.

Selected Talk groups are available on **Radio** tab in the system element box in the dropdown list:

IPSC #1 S	lot 2	•)
PTT	Broadcast Ca	II <b>-</b>
	Broadcast Call	
	Free channel	
	Sender:	+
RX/TX -		

**Note:** Close TRBOnet RadioServer Configurator before making any changes to systems elements.

#### Volume tab (for Repeaters only)

On the **Volume** tab see Volume settings for Repeater:



Repeater #1 Slot 2	
Description Talk groups Volume	
۲	۲
₽	Þ
$\ominus$	$\ominus$
RX <u>Reset</u>	TX Reset
Configure system volume	
L	OK Cancel

- Specify RX and TX volume level for the Repeater using Volume control indicator.
- Click **Reset** button to set default volume level for RX or TX.
- Configure system volume check to save default volume settings for Voice transmissions from selected Repeater.

### **Transmits tab**

On the **Transmits** tab see the information about audio and data transmissions:

2	<b>—</b> X—
Description Channels Transmits	
Record Audio	
OK	Cancel

• **Record audio** – check to enable audio recordings for selected repeater;



## **Radio Station Properties**

To open and edit selected radio properties go to Subscriber List and select Radio in the list (1):





Radio Radio 22		
General Logical Grou	ps Extended devices Additional SIP Call	
Callsign:	Radio 22	
Radio ID:	2	
MDC / Select-5:	0 (HEX)	
Radio Groups:	Department 1	
Use icon:	Bus 💌	
GPS Source:	Built-in GPS receiver	
GPS Profile:	Department 1	
	GPS Enabled	
Equipped with I	Display (for Text Messaging)	
Telemetry:	(Default)	
	OK Cancel	

Double-click selected radio to open radio properties window:

- **Callsign** specify a callsign for new radio to display in the Dispatch Console;
- Radio ID specify a Radio ID. Sets an individual ID that uniquely identifies the Radio. This ID is used by other calling radios when addressing the radio, for instance, when making a private call or sending a text message;
- MDC/Select-5 for more details on available signaling systems see TRBOnet.Swift Agent's Advanced Settings section in <u>TRBOnet Administration Guide V 4.4</u>
- Radio Group select the Radio group for new radio in the dropdown list;
- Use Icon select icon for a new radio in the dropdown list;
- **GPS Source** select GPS data source:
  - Not equipped with GPS receiver -radio has no GPS module.
  - Built-in GPS receiver radio has built-in GPS module to receive GPS data for transmission to radioserver;
  - Swift.Tracker radio sends GPS data via Generic Option Board with installed TRBOnet firmware. For more details see Appendix E: Swift.Tracker Option Board Configuration in <u>TRBOnet\_Administration\_Guide\_V\_4.4\_;</u>
  - Extended Devices select in case Radio sends GPS data via an Extended Device (any third-party option board, e.g. TW25x or K-Term 42).
- **GPS Profile** select a GPS Profile in the list. For more details on GPS Profiles configuration see GPS Profile section in <u>TRBOnet\_Administration\_Guide\_V\_4.4\_</u>.
- Equipped with Display (for Text Messaging) select if new radio supports Text Messaging service (equipped with Display).



*For more details on other radio properties see <u>TRBOnet Administration Guide</u>, Radios <i>section*.

**Note:** Radios properties editing might be limited Dispatcher access rights. Contact TRBOnet Dispatch Software Administrator for the access rights.

## **Making Voice Radio Calls**

## **Voice Calls**

Dispatcher can make the following calls:

- Private Call an individual call from Dispatch Console to selected radio via radio channel
- Broadcast Call call from Dispatch Console to all radio groups registered in the system
- Group Call call from Dispatch Console to selected radio group registered in the system
- Intercom Call call from Dispatch Console to other dispatchers. There are two types of Intercom Call:
  - o Intercom Call to all dispatchers
  - o Private Intercom Call to selected Dispatcher
- **Phone Call** call from Dispatch Console to selected phone number.

Also Dispatcher can send voice mails to offline subscribers.

### **Private Call**

Dispatcher can make a call to any online radio registered in the system. To make an individual call from Dispatch Console to selected radio via radio channel do the following:



<u>File View Map Tools H</u> elp										
Radio		Radio Interface								
		Radio Interface	Recen	t Calls/Events						
				Ac	tive Calls		X	] Quick Co	mmands	X
🕞 🧖 Online Dispatchers (1)								Configure		5
Dispatchers (1)										
								ТХРа	ssive	×
	7						<u>^</u>	Record	🔻 😰 🖬 File	•
<u>ه</u> ٥		✓ Intercom						To: Selected C	ontrol Stations	J
6 12 <b>1</b>	<b>9</b> S						E	Cross	Patch	
									i uten	-
			Broa	dcast Call	-			Drag and Drop	Control Station h	nere
									e new group	
			Session	1:						
			Free d	lannei	_					
Radio			Candar							
			Sender	:						
GPS Positioning										
🙀 Job Ticketing										
-										
Route Management		Recent Calls/Events						1		
				Daura 🔏 Cla	an 🧟 Palaad	Tilter Dy D	dio 🗐 Grouping 🔊	🗸 Auto Eiltor 🦄	Default Catting	>>
Text Messages		B I	e   11	Pause 😽 Cie		I Filler by Ka		Auto Filter 🥪	verault setting	15 ÷
0		Date 27.02.2014.15:00:	V 00	Control Station	Sender RadioServer	Recipient	Message The Control Station for	this operation is	Note	-
Reports and Statistics		27.02.2014 14:00:	00		RadioServer	All	The Control Station for	this operation is		
<i>1</i>		27.02.2014 13:00:	00		RadioServer	All	The Control Station for	this operation is		
Event Log		27.02.2014 12:00:	01		RadioServer	All	The Control Station for	this operation is		
		* 27.02.2014 11:00:	00		RadioServer	All	The Control Station for	this operation is		
lelemetry		* 27.02.2014 10:00:	00		RadioServer	All	The Control Station for	this operation is		•
Dadia Allocation		Record 1 o	f 488	<b>F H4 4</b>		1				Þ
		Recent Calls/Events	Recent	Calls Radio Stat	e Active Tasks	Active Routes	User Activity Map			

1 – Select Radio in the list of available radios;

2 – Click 🔯 button to start a Private Call



#### Voice Dispatch

File View Map T	ools Help									
Radio		Radio Inte	rface							
	7 8	Radio Inte	rface Recent	t Calls/Events						
<u> </u>	,			Ac	tive Calls		Σ	Quick Co	mmands	X
🔲 🧖 Online Dispat	chore (1)						_	Configure		
A Dispatcher	r /									
	1 🦯 🗖								issive	×
								<ul> <li>Record</li> </ul>	🔻 😰 File	•
	Presence in Networ	rk <b>te</b> i	rcom					To: Selected (	Control Stations	<u>ا</u>
36 12	Find on Google Ear	th					E	Cross	Patch	X
2	🔀 Show Route on Goo	ogle Earth 📋	T Broad	least Call	_			Drag and Drop	Control Station	here
	Google Street View	_	Broad	icast call				to creat	te new group	liere
	Yandex Street View		Session							
	Private Call		Free ch	annel						
	Send Message									
Radio	Send Call	2 🔪	Sender:							
	Remote Monitor (C	)pen mic)								
GPS POSICIONI	🗿 Disable Radio									
🙀 Job Ticketing	Reset GPS Trigger	1/	ТХ							
	Monitoring in New	Window								
😿 Route Manag	Specify Custom Ico	ns	Events					·		
	Set Занят			Daura 🚿 Cla	an 🧟 Palaad	The Filter Dy D	adia 🔲 🔤 Grouping	💙 Auto Eiltor 🦄	Default Setting	
Text Messages		Data	100 Jave 11	Control Station	Sondor	Becipient	Mercage	Autorniter	Noto	43 ÷
		27.02.2014	4 15:00:00	Control Station	RadioServer	All	The Control Station for	or this operation is	NOLE	
Reports and Sta	atistics	27.02.2014	4 14:00:00		RadioServer	All	The Control Station fo	or this operation is		
Event Log		27.02.2014	4 13:00:00		RadioServer	All	The Control Station fo	or this operation is		
		27.02.2014	4 12:00:01		RadioServer	All	The Control Station fo	or this operation is		
1 Telemetry		27.02.2014	4 10:00:00		RadioServer	All	The Control Station fo	or this operation is		_
		HI II I Re	cord 1 of 488	<b>F HF HF 4</b>	Nourood Ver		The control station is	or and operation is		•
Radio Allocation	n	Recent Calls/Ev	vents Recent (	Calls Radio Sta	te Active Tasks	Active Routes	User Activity Map			

1 – Select Radio in the list of available radios;

2 – Right-click to open a context menu and select Private Call to start a Private Call.

Radio Box view in Transmission Mode:

🔽 Department #1 🗾 🛒 🥥		
ΡΤΤ	Department 1	
2	Session: Private Call 105 Sender:	
RX /TX	Dispatcher	

To terminate the private call do the following:

- Click **PTT** button
- Click Student



**Note:** you may also create special boxes for Private Calls. For more details see <u>View</u> **Configure Control Stations boxes** section.

## Broadcast Call

Dispatcher can make a call to all online radios registered in the system (e.g. in case of alarm). To make a call from Dispatch Console to all radio groups registered in the system do the following:

<u>F</u> ile <u>V</u> iew <u>M</u> ap <u>T</u> ools <u>H</u> elp		
Radio	Radio Interface	
🚮 🗄 🗄 👶 🛠 🍸 😒	Radio Interface Recent Calls/Events	
Contine Dispatchers (1) Contine Dispatcher Contine Dispatchers Contine	Image: Contract of the contract	k Commands X 2 X Passive X rod V t. File V ted Control Stations rossPatch X Drop Control Station here
GPS Positioning		create new group
🚰 Job Ticketing	RX/TX	
😿 Route Management	Recent Calls/Events	
Text Messages	🎒 Playback 📓 Save 📕 Pause 💞 Clean 🧐 Reload 📉 Filter By Radio ा 🚟 Grouping 🍸 Auto Filter 🍥 Default Settings 🗮 Show N	Notes  Add Note
	Date  V Control Station Sender Recipient Message	Note 🔺
Reports and Statistics	27.02.2014 15:51:45 Dispatcher All test	
	27.02.2014 15:51:13 Repeater #1 Slot 2 Dispatcher All Broadcast call from dispatcher (00:02)     27.02.2014 15:51:07 Repeater #1 Slot 1 Dispatcher 0 Dispatcher / Dispatcher / Calls group 0/ (00:05)	
Event Log	27.02.2014 15:50:59     Repeater #1 Slot 1 Dispatcher All     Broadcast call from dispatcher 'Dispatcher' (00:02)	
	🔆 27.02.2014 15:00:00 RadioServer All The Control Station for this operation is not found	
Telemetry	🔆 27.02.2014 14:00:00 RadioServer All The Control Station for this operation is not found	•
(m)	Image: Windows         Image:	•
23 Radio Allocation	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Map	

- 1 select Broadcast Call type
- 2 Click **PTT** button.

Radio box view in Transmission Mode:

firemen	
ΡΤΤ	Broadcast Call 🔻
<b>**</b> Ø	Session: Broadcast Call All Sender: Dispatcher
RX / TX ~	)



To terminate the call click **PTT** button.

**Note:** you may also create special boxes for Private Calls. For more details see <u>View</u> **Configure Control Stations boxes** section.

## Group Call

To make a call from Dispatch Console to selected radio group registered in the system do the following:

<u>File View Map Tools H</u> elp	
Radio	Radio Interface
💼 🗄 🛔 👶 🛠 🍸 😒	Radio Interface Recent Calls/Events
	Quick Commands
😑 🤵 Online Dispatchers (1)	
Dispatcher	TX Passive
	Broadcast Call V Broadcast Call V
	Broadcast Call
	Session: CrossPatch
J.J. parts	2/ Pree channel Drag and Drop Control Station here
	Sender:
GPS Positioning	
Job Ticketing	RX / TX RX / TX
🥂 Route Management	Recent Calls/Events
	🕲 Plavback 📕 Save 🔢 Pause 🥩 Clean 🍓 Reload 🏋 Filter By Radio 🚍 Grouping 🍸 Auto Filter 🍥 Default Settings 🛗 Show Notes 🎽
I lext Messages	Date
Reports and Statistics	🔆 27.02.2014 16:00:00 RadioServer All The Control Station for this operation is not found
	27.02.2014 15:51:45 Dispatcher All test
Event Log	2 27.02.2014 15:51:13 Repeater #1 Slot 2 Dispatcher All Broadcast call from dispatcher 'Dispatcher' (00:02)
	27.02.2014 15:55:107 Repeater #151ot 1 Dispatcher 0 Dispatcher Calls group 0' (00:05)
Telemetry	27.02.2014 15:00:00 Repeater # 1 and 1 Disparciner All The Control Station for this operation is not found 27.02.2014 15:00:00
	H H H H Record 3 of 485
[13] Radio Allocation	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Map

- 1 select Group Call type
- 2 Click **PTT** button.

Radio box view in Transmission Mode:





To terminate the call click **PTT** button.

**Note:** you may also create special boxes for Private Calls. For more details see <u>View</u> **Configure Control Stations boxes** section.

### Intercom Calls

Dispatcher can make calls to all dispatchers or to selected dispatcher in the system. In case when Dispatcher makes a call at this moment, he will see a notification about Intercom call. To make an Intercom Call to all Dispatchers do the following:





1 - select Intercom Call box and select Broadcast Call mode in the dropdown list

2 – click **PTT** button to start an Intercom Call.

Radio box view in Transmission Mode:

Intercom		•
ΡΤΤ	Broadcast Call	+
<u>&amp; 2</u>	Session: Broadcast Call	
	All Sender:	
	Dispatcher	
RX / TX -	<u></u>	

To terminate the call click **PTT** button.

**Note:** you may also create special boxes for Private Calls. For more details see <u>View</u> **Configure Control Stations boxes** section.

<u>File View Map Tools Help</u> Radio Radio Interface 💼 🗄 🗄 👶 🋠 🏹 🚳 Radio Interface Recent Calls/Events Active Calls Quick Commands  $\mathbf{X}$ Configure Online Dispatchers (2) Administrator TX Passive X 🙎 Dispatcher 🥥 Record 🔻 😰 File -Θ 📙 Ο P To: Selected Control Stations Intercom • • SIP Interconnect ۍ ا 9 🕫 CrossPatch X 9 9 ھ 12 ΡΤΤ • Broadcast Call Drag and Drop Control Station here to create new group n Menu m Broadcast Call Line 1 Line 2 Line 3 Offline: Dispatcher 1 Line 4 Line 5 Line 6 📙 Radio 1 2 3 dPS Positioning 4 5 6 7 8 9 🟰 Job Ticketing RX / TX \* 0 # 🔊 Route Management Recent Calls/Events 🂷 Playback 📓 Save 🛛 💵 Pause 🛷 Clean 🏐 Reload 🛛 🍟 Filter By Radio 🛛 🗮 Grouping 🍸 Auto Filter 🍥 Default Settings 🛛 🚞 Show Notes 🖂 Text Messages ☑ Control Station Sender Recipient Message Date Note 27.02.2014 16:04:26 Repeater #1 Slot 1 Dispatcher Dispatcher 'Dispatcher' calls group '0' (00:04) 0 🕞 Reports and Statistics 27.02.2014 16:03:47
 27.02.2014 16:03:40 Repeater #1 Slot 1 Dispatcher 0 Dispatcher 'Dispatcher' calls group '0' (00:04) All Intercom Call: Dispatcher 'Dispatcher' calls all dis. Intercom Dispatcher 📔 Event Log 27.02.2014 16:00:00 RadioServer All The Control Station for this operation is not found  $\mathcal{R}$ 27.02.2014 15:51:45 Dispatcher All test Telemetry All Broadcast call from dispatcher 'Dispatcher' (00:02) 🔞 Radio Allocation Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Map

To make an Intercom Call to selected Dispatcher do the following:



- 1 select Intercom Call box and select online Dispatcher in the dropdown list
- 2 click **PTT** button to start an Intercom Call.

To terminate the call click **PTT** button.

**Note:** you may also create special boxes for Private Calls. For more details see <u>View</u> **Configure Control Stations boxes** section.

### **Predefined Voice Messages to Radio Subscriber**

Dispatcher can send predefined voice messages (recorded or voice messages or audio files) to radio subscriber or selected radio group:



Click Voice Message box to send the message.

**Note:** you may also create special boxes for Private Calls. For more details see <u>View</u> **Configure Control Stations boxes** section.

This option allows adding Voice Messages on the Calls Pane to send it by clicking **Voice Message box**.

#### **Receiving Mode**

Dispatch Console in Receiving mode:



#### Voice Dispatch

Eile View Map Tools Help	
Radio	Radio Interface
	Radio Interface Recent Calls/Events Extended Messages
Online Dispatchers (2)     Administrator     Dispatcher     Dispatcher     test group 1     Firemen     So 0     O	With the construction   Image: State of the construction
Radio	Broadcast Call here to create new group
GPS Positioning	Recent Calls/Events
🔡 Job Ticketing	Image: Sevential of the s
💓 Route Management	31.03.2014 16:32:16       Repeater #15       Unknown radio:       Unknown group: 2 Radio Unknown radio: 123 calls group Unkn
C Text Messages	2 31.03.2014 16:32:00         Repeater #1 Sl         Unknown radio:         Unknown group: 2         Radio 'Unknown radio:2' calls group 'Unkn           2 31.03.2014 16:12:07         Repeater #1 Sl         Dispatcher         All         Broadcast call from dispatcher' Dispatcher' (0           3 10.3 2014 16:12:07         Repeater #1 Sl         Dispatcher         All         Broadcast call from dispatcher' Dispatcher' (0
Reports and Statistics	2         31.03.2014 16:11:43         Repeater #1Sl         Dispatcher         All         Broadcast call from dispatcher 'Dispatcher' (0           2         31.03.2014 16:11:43         Repeater #1Sl         Unknown radio:         Unknown group: 2         Radio 'Unknown radio: 123' calls group 'Unkn
Event Log	231.03.2014 16:11:09         Repeater #1 Sl         Unknown radio:         Unknown group: 2         Radio 'Unknown radio: 123' calls group 'Unkn           231.03.2014 16:09:40         Repeater #1 Sl         Unknown radio:         Unknown group: 2         Radio 'Unknown radio: 123' calls group 'Unkn
Telemetry	31.03.2014 16:09:29         Repeater #1 Sl         Unknown radio:         Unknown group: 2 Radio 'Unknown radio: 123' calls group 'Unkn           31.03.2014 16:09:16         Repeater #1 Sl         Unknown radio:         Unknown group: 2 Radio 'Unknown radio: 123' calls group 'Unkn
Radio Allocation	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Map

In **Receiving** mode Dispatcher receives a tone signal.

In **Receiving** mode the PTT button disabled. It enables again once the calling subscriber or dispatcher finishes transmission.

#### **Cross Patch**

### **Enable Predefined Cross Patch**

TRBOnet Dispatch Software provides the **Cross Patch** function. Cross Patch allows configuring the network to redirect calls. Predefined Cross Patch can be created by Administrator only and Dispatcher cannot configure it. Predefined Cross Patch is displayed in Radio Interface by default. Cross Patch feature is intended to unite radio subscribers from different radio groups to one talk group to make a voice calls from dispatcher to radios and from radios to dispatcher (e.g. to connect dispatcher with firemen and drivers). You can also unite analogue and digital radios via CrossPatch.

To enable Cross Patch feature do the following:



Els View Max Tasla Hale	
File View Map Loois Help	
Radio	Radio Interface
💼 🗄 🔒 🕺 🎢 😒	Radio Interface Recent Calls/Events
Administrator     Dispatcher	Image: Signature connect       Image: Signatur
0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0	Police       Image: Control Stations         Free channel       Free channel         Image: Control Stations       Image: Control Stations
▲     12       □        Department 1	Department 1       Image: Construction of the
GPS Positioning	PTT       PTT       Free channel         PTT       Pepartment 2       PTT
🥂 Route Management	Recent Calls/Events
C Text Messages	🎯 Playback 🔄 Save   11 Pause 🛷 Clean 🏐 Reload   🍟 Filter By Radio   🖶 Grouping 🍸 Auto Filter 🍥 Default Settings 💙
Reports and Statistics	Date     V     Control Station     Sender     Recipient     Message     Note       P     04.03.2014 16:00:00     RadioServer     All     The Control Station for this operation is not f       P     04.03.2014 15:00:00     RadioServer     All     The Control Station for this operation is not f
Event Log	% 04.03.2014 14:00:00         RadioServer         All         The Control Station for this operation is not f           % 04.03.2014 13:00:00         RadioServer         All         The Control Station for this operation is not f           % 04.03.2014 12:00:00         RadioServer         All         The Control Station for this operation is not f
Telemetry	K     0 + 0.3, 2014 11:00:00     RadioServer     All     The Control Station for this operation is not f       M      Record 1 of 562     >     >     >
3 Radio Allocation	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Map

- 1 check Cross Patch box to enable the feature
- 2 Click **PTT** button to start a Cross Patch session.

**Note:** Cross Patch can be created in Radio Interface. It is a temporary CrossPatch, it will be deleted after reconnection to TRBOnet Dispatch Software server or exit Dispatch Console.

### Create a Custom Cross Patch

Dispatcher can create Custom Cross Patch to connect selected radio boxes (e.g. Emergency radio group and Firemen radio group). You can also connect analogue and digital radios via CrossPatch.

To create custom Cross Patch do the following:



#### Voice Dispatch

<u>File View Map Tools H</u> elp		
Radio	Radio Interface	
	Radio Interface Recent Calls/Events	
Administrator     Dispatcher     Dispatcher	Image: Signature state	
base     c	Free channel     Free channel       0     fremen       Voice Message       Voice Message	
Department 1	Image: Select a group     Image: Select a group <td< th=""><th></th></td<>	
GPS Positioning	Image: Constraint of the second se	
🧬 Route Management	Recent Calls/Events	Ţ.
C Text Messages	🍽 Playback 📓 Save 📕 Pause 🛷 Clean 🍣 Reload 📲 Filter By Radio 📑 Grouping 🍸 Auto Filter 🐵 Default Settings	» •
Reports and Statistics	Date         v         Control Station         Senser         Recipient         Message         Note                \%             04.03.2014 17:00:00               RadioServer               All               The Control Station for this operation is not f               Note                 \%             04.03.2014 16:00:00               RadioServer               All               The Control Station for this operation is not f	
Event Log	※ 04.03.2014 15:00:00         RadioServer         All         The Control Station for this operation is not f           ※ 04.03.2014 14:00:00         RadioServer         All         The Control Station for this operation is not f           % 04.03.2014 14:00:00         RadioServer         All         The Control Station for this operation is not f	
1 Telemetry	X         U+103_001F1_300100         KadioServer         All         The Control station for this operation is not f           X         D4.03_2014 12:00:00         RadioServer         All         The Control Station for this operation is not f           H         I         Record 3 of 563         I         I         Image: Market and the second	-
Radio Allocation	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Map	

1 – select boxes in Radio Interface you want to connect. Drag and drop them to the empty Cross Patch box

2 – click Create button to create custom CrossPatch.

Click **PTT** button to start Cross Patch session.

**Note:** you cannot connect via Cross Patch two radio groups on the same radio channel.

**Note:** Cross Patch can be created in Radio Interface. It is a temporary CrossPatch, it will be deleted after reconnection to TRBOnet Dispatch Software server or exit Dispatch Console.

## **Quick Commands**

Dispatcher can create Quick Commands (Text Messages, Send Telemetry, Request Location, Send Voice Message) and to display these commands panel in Radio Interface, so you can quickly send Text Message, Telemetry, request radio location and send Voice Message to radio by clicking selected quick command button.

To configure Quick Commands do the following:


<u>F</u> ile	<u>V</u> iev	v <u>M</u> ap <u>T</u> ools <u>H</u> elp								
Rad		Show Navigation	2	adio Interface						
e:		Show Modes	•	Radio Interface Recer	nt Calls/Events					
		Configure Control Station Boxes					4 5		^ Quick	Commands 🛛 🗙 📤
		Add Padio Interface Page					7 8	9		
4		Delete Vadio Interface Page		RX / TX		-	* 0	#	9	test command
		Saved Audio Files							9	test 2
Ι.		Large Control Station Boxes				$\rightarrow$ $-$			Configur	<u> </u>
Θ		Small Control Station Boxes		Repeater #1 Slot	1 •)) 🐗	🙆 🛛 🔽 Rej	peater #1 Slot 2	• 🛛 🛋 🙆	TX	Passive X
		Show Active Calls Panel 2	-						Reco	
		Show Quick Commands Panel		PTT		- P1	Preader	et Call	To: Select	ted Control Stations
	H	Show TX Pacrive Panel	-	U			Broauca			
	H	Show CrocsDatch Danel		Session	1:		Session:			Voice Message
.1.1		Show Extended Merager Tab		Free d	nannel		Free chann	nel	Voice Me	ssage
-	_	Show Extended Mesages Tab							=	
	GPS	Positioning		Sender	:		Sender:		Cro	ssPatch 🗙
	ars residening								Drag and	Drop Control Station
2	Job	Ticketing							here to	create new group
				RX / TX		- RX	/тх —			
6 . P	Rou	te Management							Cros	sPatch -
			Re	cent Calls/Events						
	Тех	t Messages	Ē	Playback 📕 Save 🛙 🛙	Pause 🍼 Clean	🏐 Reload   🌇 F	ilter By Radio 🛛 🚟	Grouping 🍸 Auto Filter 🎯	Default Settings	Show Notes 👋
	-			Date 🗸	Control Station	Sender	Recipient	Message		Note 🔺
	Rep	orts and Statistics		27.02.2014 17:12:16	Repeater #1 Slot 2	Dispatcher	All	Broadcast call from dispatcher '	Dispatcher' (00:02)	
<b>6</b> 5				27.02.2014 17:12:16	Repeater #1 Slot 1	Dispatcher	All	Broadcast call from dispatcher 'I	Dispatcher' (00:02)	
	Eve	nt Log	X	27.02.2014 17:00:00		RadioServer	All	The Control Station for this ope	ration is not found	
	Tole	metry		27.02.2014 16:49:36	Describer #1 Clob 1	RadioServer	All	Telemetry status cannot be rec	ieved from radio:	
	····			44 4 Decord 4 of 406	kepeater #15l0t1	UNINIOWITTADIO:	onknown group:	Radio onknown radio: 105 Calls	s group onknow	▼ _
69	Rad	io Allocation	-	Record 4 of 496	Calla Dadia State	Active Tasks Activ	a Douton Lloor Activ	with Man		
			Re	cent Calis/Events Recent	Calls Radio State	ACUVE TASKS ACUV	User Activ	vity Map		

Go to section (1) and select Show **Quick Commands panel** (2):

Click **Configure** button (3) to set quick commands:

Co	onfig	jure Quick Commands	x
		Command	Name
	•	Send Text Message	test command
	✓	Request Location	test 2
	÷.	1 2 S Create SEdit × Del	ete OK Cancel

Click **Create** button (1) to add new quick command.



#### Send Text Message

Quick Command	
Name:	test command
Command:	Send Text Message
Message:	
C Send to radio	group
Send to subset	ribed radio
Recipient	
□ 0 <b>✓</b> 105 □ 12	
	OK Cancel

- **Name** select name for new quick command
- **Command** select Send Text Message in the dropdown list
- **Message** type in message text
- Send to radio group select to send predefined text message to radio groups registered in the system and specify groups to send text message
- Send to subscribed radio select to send predefined text message to radios registered in the system and specify radios to send text message.



## Send Telemetry

Quick Comman	d 📃 💌
Name:	test command
Command:	Send Telemetry
VIO:	VIO 1   Command: Query state
C Send to ra Send to su	dio group Ibscribed radio
Recipient	
0 105 12	
	OK Cancel

- Name select name for new quick command
- **Command** select Send Telemetry in the dropdown list
- **VIO** specify a VIO to send a telemetry command;
- Command specify a command for selected VIO;
- Send to radio group select to send telemetry to radio groups registered in the system and specify groups
- Send to subscribed radio select to send telemetry to radios registered in the system and specify radios.



## **Request Location**

Qu	ick Command				×
	Name:	test command			
	Command:	Request Location			-
	Recipient				
	□ 0 <b>✓</b> 105 □ 12				
	,		0	< _	Cancel

- Name select name for new quick command
- Command select Request Location in the dropdown list
- **Recipient** select radio to request location.





#### **Voice Message**

Quick Command				×	
Name:	test command				
Command:		•			
Load from file					
Record messa	Record message				
Playback mess	age				
Call Type	Channel	Δ	Call Target		
Private Call	Auto Det	ect	105	-	
Add X Remove					
Impolite channe	el access				
			OK Car	ncel	

- Name select name for new quick command
- Command select Send Voice Message in the dropdown list
- Load from file choose to load an existing file from your PC;
- **Record Message** choose to record new message;
- Playback message choose to playback an existing message.

Specify **call type**, **channel** and **call target** for voice message:

**Note:** to send a Voice Message to a subscriber from a phone book click  $\square$  button in the Call Target column and select the contact in the phone book.

 Impolite channel access - the radio will always transmit when the Push-to-Talk (PTT) button is pressed (not available in a Capacity Plus Personality channel).



# **Queued Messages**

This feature (formerly called 'TX Passive') enables dispatchers to send audio messages even if the channel is currently busy. The dispatcher records a message to be sent to a busy channel and then TRBOnet automatically forwards this message as soon as the channel becomes available:

e <u>V</u> iew <u>M</u> ap <u>I</u> ools <u>H</u> elp			
Radio	Radio Interface		
	Radio Interface Recent Calls/Events		
Contine Dispatchers (1)     Dispatcher     Dispatcher     0	Image: Sip Interconnect       Image: Optimized control of the channel         Image: Sip Interconnect       Image: Optimized control of the channel         Image: Sip Interconnect       Image: Optimized control of the channel         Image: Optimized control of the channel       Image: Optimized control of the channel         Image: Optimized control of the channel       Image: Optimized control of the channel         Image: Optimized control of the channel       Image: Optimized control of the channel         Image: Optimized control of the channel       Image: Optimized control of the channel         Image: Optimized control of the channel       Image: Optimized control of the channel         Image: Optimized control of the channel       Image: Optimized control of the channel         Image: Optimized control of the channel       Image: Optimized control of the channel         Image: Optimized control of the channel       Image: Optimized control of the channel         Image: Optimized control of the channel       Image: Optimized control of the channel         Image: Optimized control of the channel       Image: Optimized control of the channel         Image: Optimized control of the channel       Image: Optimized control of the channel         Image: Optimized control of the channel       Image: Optimized control of the channel         Image: Optimized control of the channel       Image: Optimized control of the channel <td< th=""></td<>		
I2     I       base     I       Image: Second sec	Image: start voice Message             Image: start voice Message		
Radio       GPS Positioning       Image: Specific control of the second se	Image: Construction of the construc		
Route Management	Recent Calls/Events		
Text Messages	🏟 Playback 📓 Save 📕 Pause 💞 Clean 🧐 Reload 📲 Filter By Radio 📑 Grouping 🍸 Auto Filter 🍥 Default Settings 🗮 Show Note		
Reports and Statistics	Date         ♥         Control Station         Sender         Recipient         Message         Note                �� 06.03.2014 15:00:00          RadioServer         All         The Control Station for this operation is not f         Image: Control Sta		
Event Log	Image: Weight of the second		
Telemetry	X*       06.03.2014       12:00:00       RadioServer       All       The Control Station for this operation is not f         X*       06.03.2014       11:00:00       RadioServer       All       The Control Station for this operation is not f         IM       4       Record 3 of 431       Im       Im       Im       Im		
10 Radio Allocation	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Map		

To queue an audio message for delivery to the selected recipients, first record the message by clicking the Record button. Alternatively, you can select an MP3 or WAV audio file from any storage location or select a prerecorded message from the library.

#### **Select Audio File**

Click File, Open Audio File to select audio file on the local PC:



ile <u>V</u> iew <u>M</u> ap <u>T</u> ools <u>H</u> elp	
Radio	Radio Interface
1 🗄 E B 👶 🛠 🍸 🚳	Radio Interface Recent Calls/Events
06 Colline Dispatchers (1) firemen = Colline Dispatchers (1) firemen = Colline Dispatchers (1)	Image: Stp Interconnect       Image: Stp Interconnect
	Image: spectral system       I
Radio GPS Positioning	Image: Constraint #2     Image: Constraint #2
Job Ticketing	here to create new group
∼ Text Messages	Playback 🔜 Save II Pause 🏈 Clean 🍇 Reload 🐴 Filter By Radio 🗮 Grouping 🍸 Auto Filter 🗇 Default Settings 🔛 Show Notes
Reports and Statistics	Control Station - School - Receptert # 15 Unknown radio: 3 Unknown group Radio Unknown radio: 3 calls group Unknow      Oc.03.2014 15:46:01 Repeater # 15 Unknown radio: 3 Unknown group Radio Unknown radio: 3 calls group Unknow
Event Log	O6.03.2014 15:45:56 Repeater #1 Sl Unknown radio: 3 Unknown group Radio Unknown radio: 3 calls group Unknow     O6.03.2014 15:40:13 Repeater #1 Sl Unknown radio: 3 Unknown group Radio Unknown radio: 3 calls group Unknow
Telemetry	X* 06.03.2014 15:00:00         RadioServer         All         The Control Station for this operation is not f           Image: Control Station for this operation is not f         Image: Control Station for this operation is not f         Image: Control Station for this operation is not f           Image: Control Station for this operation is not f         Image: Control Station for this operation is not f         Image: Control Station for this operation is not f           Image: Control Station for this operation is not f         Image: Control Station for this operation is not f         Image: Control Station for this operation is not f           Image: Control Station for this operation is not f         Image: Control Station for this operation is not f         Image: Control Station for this operation is not f           Image: Control Station for this operation is not f         Image: Control Station for this operation is not f         Image: Control Station for this operation is not f
Radio Allocation	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Map

Selected audio file (.wav and .mp3 formats are supported) can be sent to the selected radio.

## Audio Message Library

You can select audio file from Voice Message templates.

Click File button, Audio Message Library:



#### Voice Dispatch

<u>File View Map Tools H</u> elp	ile <u>V</u> iew <u>M</u> ap <u>I</u> ools <u>H</u> elp			
Radio	Radio Interface			
🖬 🗄 🔒 🗶 🍸 😂	Radio Interface Recent Calls/Events			
105 Conline Dispatchers (1) Firemen Control (1) Control (1) Contr	Image: Signature connect       Image: Signatur			
	Image: start voice Message             Image: start voice Message			
Radio	✓ Department #2     ●     ●     Base     ●     ♥       Free channel     ●     ●     ●     ♥			
GPS Positioning	base Select a group Drag and Drop Control Station			
😸 Job Ticketing	here to create new group			
Route Management	Recent Calls/Events			
🖂 Text Messages	🎒 Playback 📓 Save   11 Pause 💞 Clean 🦓 Reload   🎁 Filter By Radio   🗮 Grouping 🍸 Auto Filter 📀 Default Settings 📔 Show Noteš			
Reports and Statistics	06.03.2014 15:53:34         Repeater #1 Sl         Unknown radio: 3         Unknown group         Radio Unknown radio: 3 calls group Unknow           06.03.2014 15:53:19         Repeater #1 Sl         Unknown radio: 3         Unknown group         Radio Unknown radio: 3 calls group Unknow			
Event Log	06.03.2014 15:46:22         Repeater #1 Sl         Unknown radio: 3         Unknown group         Radio Unknown radio: 3 calls group Unknow           06.03.2014 15:46:01         Repeater #1 Sl         Unknown radio: 3         Unknown group         Radio Unknown radio: 3 calls group Unknow			
Telemetry	206.03.2014 15:45:56             Repeater #1 Sl             Unknown radio: 3             Unknown group             Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group             Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group             Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group             Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group              Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group             Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group             Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group             Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group             Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group             Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group             Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group             Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group             Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group             Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group             Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group             Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group             Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group             Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group             Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group             Yinknown group             Radio 'Unknown radio: 3' calls group 'Unknow             Vinknown group             Yinknown group             Yinknown group			
8 Radio Allocation	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Map			

Predefined saved audio files for voice messages window appears:

Saved Audio Files					
🖶 Add 🔀 Remove 🍸 Filter   Hot Key					
Filename Description Severity		Severity	Hot Key	Visibility	
۲	Voice Message	Voice Message	Information		Panel
	Voice Message	Voice Message	Information		Button
	Alarm Tone		Alarm		Hidden
	Send			OK	Cancel

Select audio file in the list and click **OK** to use this file as a Voice Message for TX Passive option.

## **Record Audio File**

You can record a voice message to send to selected radios.



<u>F</u> ile <u>V</u> iew <u>M</u> ap <u>T</u> ools <u>H</u> elp	e <u>V</u> iew <u>M</u> ap <u>I</u> ools <u>H</u> elp			
Radio	Radio Interface			
💼 🗄 🛔 👶 🛠 🍸 😒	Radio Interface Recent Calls/Events			
105 Conline Dispatchers (1) Firemen Contemportation firemen Contemportation firemen Contemportation firemen Contemportation firemen Contemportation firemen Contemportation firemen Contemportation firemen Contemportation firemen Contemportation firemen Contemportation firemen Contemportation firemen fi	Image: Stp Interconnect			
	Image: start voice Message         Image: start voice Message			
Radio	Voice Message       Free channel			
GPS Positioning	End of the second se			
📅 Job Ticketing	here to create new group			
Route Management	Recent Calls/Events			
Text Messages	🎒 Playback 📓 Save 📕 Pause 孝 Clean 🍓 Reload   🌇 Filter By Radio   🐺 Grouping 🍸 Auto Filter 🐵 Default Settings   🛅 Show Note			
	Date  V Control Station Sender Recipient Message Note			
Reports and Statistics	W 05.03.2014 15:00:00         RadioServer         All         The Control Station for this operation is not f           05.03.2014 15:52:24         Departure #1.51         Undepute radius 2         Default area			
<b>6</b> 73	Oc.03.2014 15:53:34     Repeater #1 Sl Unknown radio: 3 Unknown group Radio Unknown radio: 3 calls group Unknow			
Event Log	06.03.2014 15:46:22 Repeater #1 Sl Unknown radio: 3 Unknown group Radio 'Unknown radio: 3' calls group 'Unknow			
(P) Telemetry	06.03.2014 15:46:01 Repeater #1 Sl Unknown radio: 3 Unknown group Radio 'Unknown radio: 3' calls group 'Unknow			
Telemetry	O6.03.2014 15:45:56 Repeater #1 Sl Unknown radio: 3 Unknown group Radio 'Unknown radio: 3' calls group 'Unknow			
Radio Allocation	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Map			



Record audio	
	00:00
Convert Text to Speech	
Start Cancel	

Click Start to start audio recording.

Click Stop to finish audio recording.

Record audio	
	00:01
Convert Text to Speech	
Send Cancel	🛃 Save 🔻

Click Send button to send recorded audio file immediately.

Select Save, Save as file to save the recorded file as audio file on the PC.

Select **Save**, **Save as Saved Audio File** to add recorded file in the list of Saved Audio Files. Then you can anytime use it for Voice Message task or for TX Passive.

Click **Cancel** to close recording tool window.



<u>F</u> ile <u>V</u> iew <u>M</u> ap <u>T</u> ools <u>H</u> elp	
Radio	Radio Interface
🖬 🗄 😫 🛠 🍸 😒	Radio Interface Recent Calls/Events
105 Colline Dispatchers (1) Firemen Colline Dispatchers (1) The Disp	Image: Signature connect       Image: Signatur
	Image: Second
Radio GPS Positioning	Image: Constraint #2     Image: Constraint #2
🔡 Job Ticketing	here to create new group
😥 Route Management	Recent Calls/Events
C Text Messages	🏧 Playback 🚽 Save   11 Pause 💞 Clean 🖏 Reload   🍸 Filter By Radio   🐺 Grouping 🍸 Auto Filter 🗇 Default Settings   🚞 Show Notig
Reports and Statistics	Deck         Dispatcher
Event Log	Ø         06.03.2014 16:30:35         Repeater #1 Sl         Dispatcher         fremen         Dispatcher 'Dispatcher' calls group 'fremen' (0           Ø         06.03.2014 16:30:35         Repeater #1 Sl         Dispatcher         0         Dispatcher' Calls group '0' (00:06)
1 Telemetry	Image: Operation of the state of t
Radio Allocation	Image: Market Collection     December Collection     December Collection     December Collection     December Collection

Click **Start Voice Message** to send the audio file to the selected recipients:

# **Activity Monitor**

The activity monitor provides the following functionality:

- Monitor and listen to recent calls and view RadioServer events
- Monitor selected radio state
- Monitor active tasks for selected radio
- Monitor active routes for selected radio
- Enable and disable User Activity monitoring
- Display selected map in minimized mode

#### **Recent Calls/Events Tab**

On the **Recent Calls/ Events** tab Dispatcher can monitor recent RadioServer events, view and listen to recent calls.



<u>File View Map Tools H</u> elp				
Radio	Radio Interface			
💼 🗄 🛔 👶 🛠 🍸 😒	Radio Interface Recent Cals/Events			
105 2 Online Dispatchers (1) □ firemen □ 3 105 □ ♡ ♡	SIP Interconnect     Intercom     Image: Configure of the second			
	Image: Second by Second b			
Radio	Department #2     1)      0     0     0       Free channel     Free channel     CrossPatch     X			
GPS Positioning	base Select a group			
😸 Job Ticketing	Let g ut organization of the second			
😥 Route Management	Recent Calls/Events			
C Text Messages	💷 Playback 🔚 Save 📕 Pause 🕩 Clean 🏐 Reload 🎬 Filter By Radio 📑 Grouping 🍸 Auto Filter 🐵 Default Settings 🔚 Show Notes 📑 Add Note   🖙 Add Message			
Reports and Statistics	No.         Construction			
Event Log	№         06.03.2014 16:53:48         114         All         Свободен           №         06.03.2014 16:53:48         115         All         Свободен			
Telemetry	№ 06.03.2014 16:53:48         116         All         Свободен           № 06.03.2014 16:53:48         0         All         Свободен			
🔞 Radio Allocation	Image: Market and Control of Contro			

Go to Recent Calls/ Events tab of the activity monitor:

## Voice Recording

To playback selected call – select the recording you want to playback and click
 Playback button.

Audio player window appears:

🔁 Audio player	<b>— X</b>
Duration:	00:00
Left:	00:00
Position	00:00
<b>0</b>	
Play II Pause Stop	📥 Open
Player: High Definition Audio Device	•
Radio 'Unknown radio: 3' calls group 'Unknown group: 777' (00:04)	)
]	<u>Clear</u>

Click **Player** dropdown list and select playback device.

Click **Play** button to playback the recording.

Click **Pause** button to make a pause.

Click **Stop** button to finish recording playback.



Click **Open** button to select new audio file to playback.

**Note:** you can playback several recordings. Hold **Ctrl** key and select recordings you want to playback. Then click Playback button.

2. **Save** – Dispatcher can save the recordings.

To save a number of recordings as individual files select recordings you want to

save (use **Ctrl** key) click save button and select **Save Selection as Individual Files**. Then specify a folder on the local PC to save recordings as separated audio files.

To save a number of recordings as single file select recordings you want to save (use **Ctrl** key) click **Save** button and select **Save Selection as Single File**. Then specify a folder on the local PC to save recordings as single audio file.

## Recent Calls\Events Controls

- 1. Click Pause button to pause Recent Calls \ Events log updating
- 2. Click Clean button to hide Recent Calls\Events log records. Click Reload button to show all log records.
- Click Filter By Radio button to filter log records by selected radio. Select radio in the Subscriber List. Recent Calls and Events for selected radio only will be displayed in the Recent Calls\Events tab.
- 4. Click **Grouping** button to group log records. Select column you want to group log records by. Drag and drop selected column header in the Grouping field.
- Click Auto Filter button to set filter for recent calls and events. You can filter Recent Calls \ Events by any parameter. E.g. to filter by selected sender select Sender column (1) and type in sender name (2) to filter the data:

Recent Calls/Events					
🕮 Playback 📕 Save 📕 Pause 🚿 Clean 🧐 Reload 📲 Filter By Radio 🛛 🚟 Grouping 🌈 Auto Filter 🥎 Default Settings 🔚 Show Notes 📖 Add Note 🛛 🐺 Add Message					
Date	Sender	Minessage	Note		
	Dis 2	<b></b>			
2 11.03.2014 15:01:08 Intercom	Dispatcher	ntercom Call: Dispatcher 'Dispatcher' calls all dispatchers (00			
06.03.2014 16:30:45 Repeater #1 St 1	Dispatcher	Dispatcher 'Dispatcher' calls group 'base' (00:06)			
06.03.2014 16:30:45 Repeater #1 Slot 2	Dispatcher	Dispatcher 'Dispatcher' calls group 'base' (00:06)			
06.03.2014 16:30:35 Repeater #1 Slot 2	Dispatcher	D spatcher 'Dispatcher' calls group 'firemen' (00:06)			
06.03.2014 16:30:35 Repeater #1 Slot 1	Dispatcher	D spatcher 'Dispatcher' calls group '0' (00:06)			
06.03.2014 16:30:35 Intercom	Dispatcher	I tercom Call: Dispatcher 'Dispatcher' calls all dispatchers (00			
03.03.2014 18:35:19 Repeater #1 Slot 1	Dispatcher	D spatcher 'Dispatcher' calls group '0' (00:04)			
27.02.2014 17:12:16 Repeater #1 Slot 2	Dispatcher	poadcast call from dispatcher 'Dispatcher' (00:02)			
			Edit Eilt	or l	
			Edit Filt	er 🔻	

6. Click Of Default Settings button to apply default settings to all log records.



7. Click <sup>Petails</sup> button to see talk session members:

File View Map Iools Help				
Radio	Radio Interface			
🚮 🗄 🗄 👶 🛠 🍸 😒	Radio Interface Recent Calls/Events			
	Mute Mode			Quick Commands 🛛 🖄
Conline Dispatchers (1)     Dispatcher 1     Department 1     Radio 105     Readio 105	Free channel All Cal	Firemen FTT Al Cal	ा) सः Ø	TX Passive X E Record Y to File Y To: Selected Channels
• 105	Test Call	📧 🧟 📔 📎 Phone Intercor	nect 📧 🖉	Cross Patch 🗙
Radio	Free channel	1 2 3 4 5 6	Menu	Drag and Drop PTT Box here to create new group
GPS Positioning	Recent Calls/Events			
🐮 Job Ticketing	Playback 🚽 Save 🔢 Pause 🝼 Cle Date ⊽ Radio System	ean 🧐 Reload 🎢 Filter By Rad Sender Recipient	dio   🚟 Grouping 🍸 Auto Filter 🌼 Defau Message 🛛 🕅	It Settings 😭 Details 🛗 Show Notes 🐥 Note 🗾 Details
Route Management	7/4/2014 4:01:35 AM         Intercom           6/24/2014 5:20:45 AM         Intercom	Dispatcher 1 All Administrator All	Intercom Call: Dispatcher 'Dispatcher 1' cal Intercom Call: Dispatcher 'Administrator' c	Members: Dispatcher 1 Members: Administrator
C Text Messages	6/24/2014 4:23:17 AM           6/5/2014 7:36:14 AM         2	Radio 105 All Unknown radi Unknown grou.	On Duty Radio 'Unknown radio: 1212' calls group 'U	Members: Unknown radio
Reports and Statistics	6/5/2014 7:35:40 AM 2     6/5/2014 6:11:28 AM 2     6/5/2014 6:00 AM 2	Unknown radi Unknown grou. Unknown radi Unknown grou.	Radio 'Unknown radio: 1212' calls group 'U     Radio 'Unknown radio: 1212' calls group 'U	Members: Unknown radio Members: Unknown radio
Event Log	6/5/2014 4:40:02 AM Repeater #1 6/5/2014 4:40:00 AM 2 6/5/2014 4:39:07 AM 2	Unknown grou. Unknown radi Unknown grou.	Radio Vinknown radio: 1212' calls group 'U      Padio 'Unknown radio: 1212' calls group 'U      Padio 'Unknown radio: 1212' calls group 'U	Members: Radio 33 Members: Unknown radio
Telemetry	6/5/2014 4:39:01 AM Repeater #1	Unknown radi Department 1	Radio 'Unknown radio: 1212' calls group 'D	Members: Unknown radio
Radio Allocation	Recent Calls/Events Recent Calls Radio Sta	te Active Tasks Active Routes	Jser Activity Map	

- 8. Click Show Notes button to enable Note column. All notes added by Administrator and Dispatchers for recent calls and events are shown in the Notes column. So, you can mark recent calls and events to find it by notes.
- 9. Click Add Note button to add a note for selected recording and\or event. The note will be displayed in the Recent Calls \ Events log if **Show Notes** mode enabled:

<u>F</u> ile <u>V</u> iew <u>M</u> ap <u>T</u> ools <u>H</u> elp				
Radio	Radio Interface			
🖬 🗄 🗄 🗶 🍸 🚳	Radio Interface Recent Calls/Events			
	SIP Interconnect	<ul> <li>Intercom</li> <li>Intercom</li> <li>PTT</li> <li>Free channel</li> <li>PTT</li> <li>Free channel</li> <li>Emercency croup</li> <li>Base</li> <li>PTT</li> <li>Free channel</li> <li>Select a group</li> </ul>		Quick Commands
GPS Positioning	Recent Calls/Events			PTT -
30b Ticketing	Playback 🔄 Save 🔢 Pause 💞 Clean 👹	Reload   🌇 Filter By Radio   🐺 G Sender Recipient	Grouping 🍸 Auto Filter 🐵 Default Settings 📔 Message	Show Notes 🙀 Add Note 🐥
😥 Route Management	13.03.2014         15:43:21         Repeater #1 Slot 2           13.03.2014         15:42:20         Intercom           13.03.2014         15:41:18         Repeater #1 Slot 2	Dispatcher 105 Dispatcher All Dispatcher Emergency grou	Remote Monitor: Dispatcher 'Dispatcher' calls th Intercom Call: Dispatcher 'Dispatcher' calls all dis Dispatcher 'Dispatcher' calls or up 'Emergency'	e radio
V Text Messages	Image: Second state         Respected state           Image: Second state         Image: Second state	Dispatcher All Dispatcher 105	Broadcast call from dispatcher 'Dispatcher' (00:0 Private Call: Dispatcher 'Dispatcher' calls the rac	03) dio '105
Reports and Statistics	☑         13.03.2014 15:38:10         Intercom           ≫         13.03.2014 13:30:32	Dispatcher All RadioServer All	Intercom Call: Dispatcher 'Dispatcher' calls all dis Telemetry status cannot be recieved from radio	spatcher : 10 🛄 danger
Event Log	№         13.03.2014 13:00:00           №         13.03.2014 12:00:00	RadioServer All RadioServer All	The Control Station for this operation is not four The Control Station for this operation is not four	nd nd
1 Telemetry	Image: Weight of the state of the stat	RadioServer All RadioServer All	The Control Station for this operation is not four The Control Station for this operation is not four	nd 🔹 🗸
Radio Allocation	Recent Calls/Events Recent Calls Radio State A	Active Tasks Active Routes User Activit	ty Map	4



10. Click Add Message button to add message for Dispatchers in the Recent Calls \ Events log.

Add user message	0		×
Recipient:	Dispatcher		<b>_</b>
Severity:	Alarm	▼	
Message:	test		<b></b>
			-
		ОК	Cancel

- **Recipient** select All if you want all Dispatchers to see the message
- **Severity** select severity level to inform Dispatchers about message severity.

Type in message text. Selected Dispatcher or all Dispatchers registered in the system will see the message in the Recent Calls \ Events tab.

#### **Recent Calls**

On the Recent Calls tab Dispatcher can see and configure the latest Voice Calls, including Private, Group and Intercom Calls:

Recent Calls						
Types: 💄 Private 🐇 Group 🔅 All Call 🛛 💞 Clean 🍸 Filter						
Last Call 🙀 Sinder 🗼	Amount of Calls	Features				
- 2014-07-07 14:14:30 Radio 470	5	S 🗘 🗙				
PrivateCall Calls: 1 2014-07-07.14:02:50         Group Call Calls: 3 2014-07-07 14:04:30         All Call Calls: 1 2014-07-07 14:02:47           1         2         3						
Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Beacons Beacons Events						

- Click **Private** button (1) to display the latest Private Calls;
- Click **Group** button (2) to display the latest Group Calls;
- Click **All Calls** button (3) to display all call types including Intercom Call.

In the Call Boxes you can see calls number, last call date and time:





Click Substitution to start Private call to the Sender-Radio (Radio is displayed in the Sender column);

Click 💟 button to mark calls as viewed;

Click 🔀 button to clear recent call history.

## **Radio State**

On the **Radio State** tab Dispatcher can see list of selected radio statuses and the last received radio data in the Radio Popup Window:

File View Map Iools Help				
Radio	Radio Interface			
💼 🗄 🗄 🕺 🛠 🍸 😒	Radio Interface Recent Calls/Events			
	Image: Sign Interconnect       Image: Sign Int			
	Belect a group Repeater PTT	Ŧ		
GPS Positioning		1		
🔡 Job Ticketing	Image: Solution of the second sec	1		
Route Management	ISO3.2014 16:15:43         Iso3.2014 14:25:16         Radio Online           Speed:         0,0 km/h         13.03.2014 13:28:28         Radio Online			
C Text Messages	Altitude:         Unknown         12.03.2014 10:2:05         Radio Online           Latitude:         59°56'23.37N         12.03.2014 11:07:44         Radio Online           Lonatude:         30°16'66.74E         11.03.2014 18:22:40         Radio Offline			
Reports and Statistics	11.03.2014 16:15:56 Radio Online 07.03.2014 18:22:24 Radio Offine			
Event Log	06.03.2014 16:53:48 On Duty 06.03.2014 14:26:36 Radio Online			
1 Telemetry	05.03.2014 18:16:54         Radio Offline           05.03.2014 13:52:23         Radio Online			
[행] Radio Allocation	Image: Constraint of the second constraint of th	1		

Radio Popup Window:

Radio State	
lus € ⊆	۲
Repeater #1	Slot 2
GPS: 07.03	.2014 16:15:43
Speed:	0,0 km/h
Altitude:	Unknown
Latitude:	59°56'23,37"N
Longitude:	30°16'46,74"E

- Click 🗐 button to request the subscriber's presence in the radio network
- Click <sup>III</sup> button to send a text message to the radio subscriber
- Click button to request radio subscriber's location



In the Radio State log Dispatcher can do the following:

- Click Show Notes button to enable Note column. All notes added by Administrator and Dispatchers for recent calls and events are shown in the Notes column. So, you can mark recent calls and events to find it by notes.
- Click Add Note button to add a note for selected recording and\or event. The note will be displayed in Radio State tab if Show Notes mode enabled.
- 3. Click Add Message button to add message for Dispatchers in the Radio State tab of dock window.

Add user message	0		×
Recipient:	Dispatcher		•
Severity:	O Alarm	•	
Message:	test		<b>_</b>
			<b>*</b>
		ОК	Cancel

- Recipient select All if you want all Dispatchers to see the message
- **Severity** select severity level to inform Dispatchers about message severity.

Type in message text. Selected Dispatcher or all Dispatchers registered in the system will see the message in the Radio State tab.

#### **Active Tasks**

On the Active Tasks tab the dispatcher can monitor all active tasks for the selected radio (e.g. Lone Worker, Active Routes, etc.).



<u>File View Map Tools Help</u>		
Radio	Radio Interface	
🚮 🗄 🗄 👶 🛠 🍸 😒	Radio Interface Recent Calls/Events Extended Messages	
		Quick Commands 🛛 🗙 📤
🗉 🕭 Online Disp	Phone Interconnect	
🗢 Anastasi	1 2 3 Free channel	Configure
Eiromon	4 5 6 Menu Broadcast Call	
		TX Passive X
	🗌 Department #2 🛛 🔣 💭 Base 🚽 📢 🖉	🥥 Record 🔻 😰 File 💌
	Free channel Free channel	To: Selected Control Stations
d 202 📮 😋	PTT PTT	
💰 205 🔇 🔇	RX Only Broadcast Call	Voice Message
\varTheta Radio 3 🛛 📮 🔇		Voice Message
📙 Monitoring g 🛛 💷 🤳		CrossPatch X
	PTT Free channel PTT Free channel	
💾 Radio	Broadcast Call	Drag and Drop Control Station here to create new group
GPS Positioning	Active Tasks	±.
0-0	📲 Stop   🚟 Grouping 🍸 Auto Filter 🗇 Default Settings	
Job Ticketing	Task Radio State	
Danita Managarat	Lone Worker 105 14:47 -	
Route Management	105	
Text Messages		
Reports and Statistics		
Event Log		
Telemetry		
(77)	HI II Record 1 of 2 + + + HI I	×
Radio Allocation	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Map	

Dispatcher can manage active tasks:

- Click Stop button to stop the task procedure
- Click Grouping button to group tasks. Select column you want to group tasks by. Drag and drop selected column header in the Grouping field.
- Click Y Auto Filter button to set filter for active tasks. You can filter tasks by any parameter. E.g. to filter by selected radio select Radio column and type in radio name (2) to filter the data.
- Click Optimize Default Settings button to apply default settings to all active tasks.



#### **Active Routes**

<u>File View Map Tools H</u> elp	
Radio	Radio Interface
💼 🗄 🛔 👶 🛠 🍸 😒	Radio Interface Recent Calls/Events
Conline Dispatchers (2)  Administrator  Dispatcher  Condition  (2)  (2)  (2)  (3)  (3)  (4)  (4)  (5)  (5)  (5)  (5)  (5)  (5	Image: Signature of the si
base ba	PTT     Free channel     Free channel       Broadcast Cal     Emergency group       Department #2     Image: Second
Radio	base Broadcast Cal Drag and Drop Control Station here to create new group
GPS Positioning	ve Routes
🔡 Job Ticketing	Name Route 1200 1400 1400
Route Management	Total         Total           114         Total           17.03.2014         test 1
C Text Messages	test 2 <b>11:00 12:00 13:00</b> 113 <b>12:00 13:00</b> 17.03:2014 <b>1</b> 2 3
Reports and Statistics	
Event Log	
1 Telemetry	
Radio Allocation	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Map

On the **Active Routes** tab Dispatcher can monitor all routes started by Administrator.

Dispatcher can mark route points as serviced and add notes for route points.



<u>File View Map Tools H</u> elp	
Radio	Radio Interface
💼 🗄 🛔 💑 🔗 🍸 🚳	Radio Interface Recent Calls/Events
Administrator Dispatcher Dispatcher Dispatcher Dispatcher Dispatcher Dispatcher Dispatcher Radio	SIP Interconnect Image: Constraint of the cons
GPS Positioning	Active Routes
Job Ticketing	▶ Start     Stop     Stop     Fill     Stop
😥 Route Management	113 17.03.2014
Text Messages	test 22 11 Served 114 Served 17.03.2014 Served
Reports and Statistics	test route 13 Note
Event Log	17.03.2014 000 2 000 2 000 2 0
Telemetry	🗶 💆 [Visme] Like '%test %
Radio Allocation	Image: Weight of the second 1 of 3 + + + + + + + + + + + + + + + + + +

Select a route point and right-click to open the context menu:

- Waiting service time is not came and the route point is not serviced
- Served the route point is served on time
- Not Serviced the route point was not serviced on time
- Alarm the route point comes in alarm mode according to Service rules settings (see <u>Route Management</u> section)
- Note click to add a note to selected route point. The note will be displayed in the popup window when Dispatcher put mouse cursor on the route point:

Active Routes	
🕨 Start 📕 Stop 📑 Edit 📑 Grou	Jping 🍸 Auto Filter 🌼 Default Settings
Name $\Delta$	اً Route
test2 113 17.03.2014	11:00 12:00 13:00 1 2 3 Route point:
test 22 114 17.03.2014	11:00         12:00         13:         Time:         3           1         2         3         Note:         alarm
test route 114 17.03.2014	13:00 14:00 15:00 test 1 test 2 test 3
X ▼ [Name] Like '%test %'      K4 4 Record 1 of 3 ▶ ₩ ₩ 4	
Recent Calls/Events Recent Calls Radio S	State Active Tasks Active Routes User Activity Map

Dispatcher has the following route monitoring options:

1. **Start** – click **Start** button to start new route based on the created one.



2. **Stop** – click **Stop** button to stop the route. Finished route will be deleted from Active Routes list.

te			
Name:	Test route		
Description:	Test route		
Route Points	Service Rules Notifications		
0,0		Name	Time
Courry Read 100	Pete Lake       Linke         Coffeer       Linke         Lake       Linke         Lake       Linke         Lake       Linke         Lake       Linke         Lake       Linke         Lake       Linke         Linke       Linke         Linke       Linke         Linke       Linke         Linke       Linke         Linke       Linke	ong Loke 36 95'46'42.47'W	at ≯ Delete
1	2 3		OK Cancel

3. Edit – click Edit button to edit an existing route:

- Name specify a name to display in the route list;
- **Description** add a description for new route.

Click **GPS Points** button (1) to add points to selected map:



Select Map		X
Map Type:	Online maps	•
Caption:		
Available Maps		
Name	Path	State
MAPNIK		ОК
CYCLE		ОК
TRANSPORT		ОК
LANDSCAPE		ОК
MAPQUEST		ОК
BING_ROAD		OK
BING_AREA		OK
BING_HYBRID		ОК
new		ОК
Add	Remove	OK Cancel

Select map.

Go to the **Route Points** tab to set GPS Points, Beacons and Map Objects:

lame:	Test route		
escription:	Test route		
an de Decete	and the second		
	service kules į Noencasons į	time	Time
2 3	NAMES AND ADDRESS OF TAXABLE PARTY OF TA	4350	15:00
		4350	15-35
		noint 1	15:00
1439 <u>2</u>		anint?	15-50
TRIDALE	RIDGET Lestures Dr BRE TWOOD Dini2 SOUTH I BRENTWOOD Dini2 SOUTH I BRENTWOOD Dini2 SOUTH I BRENTWOOD Dini2 SOUTH I BRENTWOOD Dini2 SOUTH I BRENTWOOD Dini2 SOUTH I Dini2 SOUTH I DINIZ SOUTH I DINIZ SOUTH I DINIZ S		
SHO Ponts	Vale operations and map upperties	The scente 150 Ed	
			OK Cancel

Click **Create** button or double-click selected point on the map to create new route point:



Point properties	×
Name:	New Point
Location:	Latitude: 32°20'57,07"N; Longitude: 86°15'2 💌
Radius:	100 meters
Time:	15:50
Time delta:	5 minutes
	OK Cancel

- **Name** specify a name for new point to display on the map;
- Location in the location field administrator can see current GPS coordinates of new point;
- **Radius** specify radius to display new point on the map;
- Time specify time to service new point;
- Time delta time inaccuracy to serve selected point.

Click **OK** to add new point.

Click **Beacons** button (2) to add a beacon on the map.

**Note:** to enable **Indoor** feature make sure your license includes **Indoor Positioning** and **Indoor Service** is selected in the list of available services (*see <u>TRBOnet</u>* <u>Administration Guide</u>, **Services** section).



Name:	Test route		
Description:	Test route		
	1		
Route Points Serv	ice Rules Notifications		
4359		Nome	Time
		4359	15:20
		4359	15:35
		point 1	15:00
		point2	15:50

Click Map Objects button to download created map objects list:



Name:	New route 1		
Description:	test		
Paula Painta I	a state and the		
Emernency	Service Rules   Notifications	Name	Time
Fire departs	ent.	Point 1	16:10
A New Point		Point 2	16:20
Point		Emergency	16:30
Point 4		Point	16:40
		Point 4	16:50 -0

Double-click selected object in the list to modify its settings:

Point properties	×
Name:	Emergency
Map Object:	Emergency 💌
Radius:	100 meters
Time:	16:50
Time delta:	5 minutes
	OK Cancel

- **Name** specify a name for the object;
- Map Object select map object icon (type) in the dropdown list;
- **Radius** specify radius to display the point on the map;
- Time specify time to service the point;
- **Time delta** time inaccuracy to serve selected point.

Click **OK** to save map object parameters.



All map objects are displayed as points on the map.

Go to **Service Rules** tab to manage point service settings:

Route		×
Name:	New route 1	
Description:	test	
Route Points Serv	vice Rules Notifications	
Finish route:	automaticaly if all points are serviced	
Set point as s	serviced:	
C When radio e	enter to the point area	
C Manually by d	dispatcher	
By condition v	when radio is in the point area	
Automati	tically by receiving Text Message from a radio	
Message	e: Point serviced	
Automati	tically by receiving <u>T</u> elemetry Command from a radio	
<u>V</u> IO:	1 <u> _</u> command: High level	
Automati	ically by receiving DTMF command from subscriber	
Comman	ıd:	
Set point in al	larm mode:	
Automati	tically by receiving Text Message from a radio	
Message	2:	
Automati	tically by receiving <u>T</u> elemetry Command from a radio	
<u>V</u> IO:	1 <u>_</u> command: High level <b>v</b>	
Automati	tically by receiving DTMF command from subscriber	
Comman	nd:	
Automati	; ically by receiving Emergency from subscriber	
Emg. Typ	pe: All	
	,	
	OK Can	

Finish route - specify parameters to mark the route as finished:

 Finish route automatically if all points are serviced – select to mark the route as finished when all points and objects are serviced.

**Set point as serviced** – select point service parameters:

- When radio enters to the point area select to mark point as serviced when radio becomes in the point radius;
- **Manually by dispatcher** select to allow dispatcher make point as serviced;
- By condition when radio is in the point area specify conditions to mark point as serviced:
  - Automatically by receiving Text Message from a radio select to mark the point serviced after dispatcher receives text message with specified text from radio subscriber;
    - Message specify message text;



- Automatically by receiving Telemetry Command from a radio select to mark the point serviced after dispatcher receives specified telemetry command from radio subscriber;
  - **VIO** specify a VIO to send a telemetry command;
  - **Command** specify a command for selected VIO;
- **Automatically by receiving DTMF command from subscriber** select to mark the point as serviced after dispatcher receives DTMF command from radio subscriber;
  - **Command** specify a command text.

**Set point in alarm mode** – select parameters to make the point in alarm mode:

- Automatically by receiving Text Message from a radio select to make the point in alarm mode after dispatcher receives text message with specified text from radio subscriber;
  - **Message** specify message text;
- Automatically by receiving Telemetry Command from a radio select to make the point in alarm mode after dispatcher receives specified telemetry command from radio subscriber;
  - **VIO** specify a VIO to send a telemetry command;
  - **Command** specify a command for selected VIO;
- Automatically by receiving DTMF command from subscriber select to make the point in alarm mode after dispatcher receives DTMF command from radio subscriber;
  - **Command** specify a command text;
- Automatically by receiving Emergency from subscriber select to make the point in alarm mode after dispatcher receives Emergency from radio subscriber;
  - **Emg. Type** specify an Emergency type in the dropdown list;

Go to **Notifications** tab to manage notifications to radio:



Route				×
Name:	New route 1			
Description:	test			
Route Points Serv	ice Rules Noti	ications		
{RouteName},	{PointName}, {	essage. PointTime}, {NextPointName}, {NextPointTime}		
🔽 Send a Text I	Message on rou	te start		
Text Messag	e:	Start {RouteName}		
Send a Text I	Message on rou	te finish		
Text Messag	e:			
Send a Text	Message when	approaching the service time		
Time before	service:	5 minutes		
Text Messag	e:	Serve {Point 1} in {16.10}		
Send a Text Message after		The MointNamel is served. Next is /NextPointNamel at /NextPointTimel		
For the last r	oint:	The (PointName) is served		
	ionine.	The (Following) is served		
Send a Text I	Message if poin	t is not serviced		
Text Messag	e:	The {Point 2} is not served		
Send a Text I	Message if poin	t is in alarm mode		
Text Messag	e:	Alarm on {Point 3}		
			OK	Cancel

**Note:** follow the predefined notifications templates. If text is not correct notifications will not be available.

- Send a Text Message on a route start select to inform radio subscriber about route start;
  - Text Message type in text message text to send to radio subscriber;
- Send a Text Message on a route finish select to inform radio subscriber about route finish;
  - Text Message type in text message text to send to radio subscriber;
- Send a Text Message when approaching the service time select to notify radio subscriber about point serve;
  - **Time before service** specify a time period in minutes before service time to send a text message;
  - o Text Message type in text message text to send to radio subscriber;
- Send a Text Message if point is not serviced select to notify radio subscriber if the point is not serviced;
  - Text Message type in text message text to send to radio subscriber;
- Send a Text Message if point is in alarm mode select to notify radio subscriber if the point is in alarm mode;
  - o Text Message type in text message text to send to radio subscriber;



Click **OK** to save settings.

- 4. **Grouping** click **Grouping** button to group routes in the Active Routes list. Select column you want to group log records by. Drag and drop selected column header in the Grouping field.
- 5. Click **Y** Auto Filter button to set filter for active routes. You can filter routes by any parameter. E.g. to filter by selected route name select **Name** column (1) and type in route name (2) to filter the data.
- 6. Click Of Default Settings button to apply default settings to all routes.

#### **User Activity**

The **User Activity** function allows the Dispatcher make lists of subscribers can be assigned to due to their activity.

For example, if a subscriber sends a message **On duty** or presses an exact preset telemetry button, this subscriber gets assigned to the **On duty** list in the Dispatcher Console. The Dispatcher can also assign subscribers to lists manually.

<u>File View Map Tools H</u> elp		
Radio	Radio Interface	
💼 🗄 🐁 🛠 🍸 😒	Radio Interface Recent Calls/Events	
	SIP Interconnect   Image: Signature in the second	Quick Commands X tdj Confoure TX Passive X Record Control Stations CrossPatch X Drag and Drop Control Station here to create new group Emergency and Policy Record T
GPS Positioning	Der Activity	
😽 Job Ticketing	Disable the User Activity monitoring     Definition	
💓 Route Management	(B) OffDuty         Δ         (B) off         (B) off <th< th=""><th>Δ.</th></th<>	Δ.
Text Messages	(e) 113 (f) 114 (f) 115	
Reports and Statistics	l 12	
Event Log		
Telemetry		
Radio Allocation	C III	•

Go to **User Activity** tab to monitor radio subscribers' activity:

All configured custom statuses for User Activity task are displayed in User Activity tab. Click any space in the tab and scroll your mouse cursor to see all available statuses and radios assigned to the list.



For more details about User Activity task configuration see <u>TRBOnet Administration Guide</u> User Activity section.

Dispatcher can assign any status configured for User Activity task to selected radio:

- Select radio in the Subscriber List
- Right-click to open radio context menu and select status to assign for radio:



Statuses can be assigned to the radio automatically, according to User Activity task configuration.

For more details on User Activity task configuration see <u>TRBOnet Administration Guide</u>, **User Activity** section.

Dispatcher can manage statuses and time interval to set the default status for online radios.

Click **Configure** button to configure User Activity:



News		Description		
		Descriptio	n	
Cinduty				
B OnDuty				
(B) off				
😣 test status				
😣 test status				
8 1111				
	Add		Edit	Delete

Click Add button to add new User Activity status:

User	Activity List Sett	ings 🛛					
N	Name:	test					
6	Description:	test status					
E	Background:	■ Violet					
N	Move a radio to this	s list if:					
	Manually (on demand of dispatcher)						
	Automatically by receiving Text Message from a radio						
	Message:						
	Automatically b	y receiving <u>T</u> elemetry Command from a radio					
	<u>V</u> IO:	1 <u>_</u> Command: High level ▼					
	Automatically b	y receiving DTMF command from subscriber					
	Command:						
		OK Cancel					

- Name specify a name for new user activity list;
- Description add a description for new user activity list;
- Background select the background color to display the subscribers assigned to the list;

## Move a radio to this list if:

- Manually (on demand of Dispatcher) select to assign subscribers to the list manually;
- Automatically by receiving Text Message from a radio select to assign a radio to the list after receiving a message (specify the message text in the Message field);



- Automatically by receiving Telemetry Command from a radio select to assign a radio to the list after receiving telemetry. Specify VIOs (1 to 5) and the Command;
- Automatically by receiving DTMF command from subscriber to assign a radio to the list after receiving a predefined DTMF command (specify the command in the Command field).

To assign an offline subscriber to the default User Activity list, go to the **Advanced** tab:

User Activity
Lists of radios Advanced
Automatically set the default status for offline radios
Set the default status 10 🚔 minutes
OK Cancel

- Automatically set the default status for offline radios select to allow assign the default status for offline radios;
- Set the default status specify time period to set default status to a subscriber.

To disable User Activity task click **Disable User Activity monitoring** button.

#### Мар

Go to **Map** page to monitor Radio location on map (all map options e.g. Playback route, search by address, etc. are available for minimized map view on **Map** tab) and perform any available actions in **Radio Interface** (make voice calls, send messages, disable and enable selected radio, etc.):



#### Voice Dispatch



Note: for more details about map options see <u>GPS Positioning</u> section.

# **SIP Interconnect (Phone Calls)**

The SIP interconnect function allows to make calls from telephones to radios and vice versa.

Register a SIP account and configure TRBOnet Server to connect to the account.

For more details on SIP configuration see <u>TRBOnet Administration Guide</u>, External **PBX Server** section.

When making a call, the SIP service connects to the RadioServer. E. g., Dispatcher makes a call to a radio subscriber from the phone. Dispatcher need to dial the SIP account's phone number. After that the SIP service connects to RadioServer and the call is conducted due to RadioServer configuration (the call is forwarded to a dispatcher or the voice menu to connect you to a subscriber).



<u>File View Map Iools H</u> elp						
Radio	Radio Interface		/			
🖬 🗄 🗄 👶 🛠 🍸 🚳	Radio Interface Recent Calls/Events	s Extended Messages				
				Quick Commands 🛛 🗙		
🕞 🧖 Opling Dispate	Phone Interconnect					
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💰 105 🛛 📮 🔇						
ی 114 🖬 😵	Line 1 Line 2 Line	3 Sessi	sion:	Tex Selected Central Stations		
💰 202 🔲 🔍	Line 4 Line 5 Line	Free	e channel	To: <u>Beretted Control Stations</u>		
A 205				Voice Message		
	1 2 3	Send	der:	Voice Message		
Radio 3	4 5 6			(Toke Themage		
📙 Monitoring group 🛛 루	7 8 9			CrossPatch X		
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				-		
Radio	Recent Calls/Events			1		
	🗿 Playback 🚽 Save 🔢 Pause 🥩	Clean 🧐 Reload 🛛 🌾 Filter By Radio	🗧 🔤 Grouping 🍸 Auto Filter 🎰 Default Settings 🗮 Show	v Notes 🔛 Add Note 🗔 Add Message		
GPS Positioning	Date V Padio System	m Sender Peri		Note		
	04,2014 15:34:34 Repeater #1	1 Slot 2 105 All	Broadcast call from '105' (00:00)	- Note -		
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	* 22.04.2014 15:22:47	Anastasiya 105	5 Dispatcher 'Anastasiya' has requested presence	in the netw		
🔊 Route Management	22.04.2014 14:46:03 Repeater #1	1 Slot 1 105 Unkr	nown group: 1010 Radio '105' calls group 'Unknown group: 1010' (0	0:08)		
	22.04.2014 14:44:23 Repeater #1	1 Slot 1 105 Unkr	nown group: 1010 Radio '105' calls group 'Unknown group: 1010' (0	0:08)		
🖂 Text Messages	22.04.2014 14:43:39 Repeater #1	1 Slot 1 105 Unkr	nown group: 1010 Radio '105' calls group 'Unknown group: 1010' (0	0:09)		
	22.04.2014 14:41:40 Repeater #1	1 Slot 1 105 Unkr	nown group: 1010 Radio '105' calls group 'Unknown group: 1010' (0	0:03)		
Reports and Statistics	22.04.2014 14:38:56 Repeater #:	1 Slot 1 105 Unkr	known group: 1010 Radio '105' calls group 'Unknown group: 1010' (0	0:07)		
	22.04.2014 14:38:50 Repeater #:	1 Slot 1 105 Unkr	mown group: 1010 Radio '105' calls group 'Unknown group: 1010' (0	0:04)		
Event Log	22.04.2014 14:36:17 Repeater #1	1 Slot 2 105 All	roown group: 1010 Radio '105' calls group 'I loknown group: 1010' (0	0.07)		
	22.04.2014 14:36:15 Repeater #1	1 Slot 2 105 All	Broadcast call from '105' (00:00)			
1 Telemetry	22.04.2014 14:36:12 Repeater #1	1 Slot 1 105 Unkr	snown group: 1010 Radio '105' calls group 'Unknown group: 1010' (0	0:03)		
	144 44 4 Record 7 of 106 + ++ ++ 4	(		Þ		
Radio Allocation	Recent Calls/Events Recent Calls Radio	State Active Tasks Active Routes Use	er Activity Map			

For Phone Interconnect box the following options are available:

- Click (Solo) button to mute all channels except for this one.
- Click (Mute) button to mute this channel.

To register a SIP account, go to a SIP provider's website (for example, <u>sipgate.co.uk</u> or <u>sipgate.com</u>) and follow the prompts.

To configure SIP Interconnect use a virtual SIP Server for making phone calls inside a local network.

The Virtual SIP Server supports up to 6 telephone lines.

For more details on Virtual SIP Server Configuration see <u>Configuring Virtual SIP Server</u> <u>Guide.</u>

For more details on Virtual SIP Server Configuration with a hardware phone or SIP account see <u>TRBOnet Administration Guide</u>.

#### Phone Call from the Dispatcher Console

To make a phone call from the Dispatcher Console use the SIP Interconnect pane

Select the line (1), enter the phone number (2) and click [3] button:





Dispatcher can use phone numbers from Phone Book.

To open a phone book click **...** button or go to **Menu** (1), **Phone Book** (2):



Phone Book is intended to register users and SIP ID's:



(	0	Phone Book	_	-	x		
🖶 Add 🗙 Remove 🍸 Filter							
	SIP ID		SIP user	Display Name	Δ		
		123	User 1	User			
	Þ	235	User 2	User 2			
	144	e 📢 4 Record 2 of	2 1 10 101		•		
				ОК Са	ancei		

Click **Add** button to set a new user authorization.

- **SIP ID** type in your SIP ID afforded by provider to make incoming phone call;
- SIP User type in SIP User name mentioned when logon;
- Display Name type in User Name to display in Dispatch Console;

Click **OK** to add new user in the phone book.

## **Receive a Phone Call**

To answer a phone call click button:



#### Voice Dispatch

<u>File View Map Tools Help</u>						
Radio	Radio Interface					
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X Anastasiya		÷ ···	DTT		F [	Configure
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A 202	Line 4 Line	e 5 Line 6		Free channel		10: Selected Control Stations
						Vieire Manage
<b>36</b> 205	1 2	2 3		Sender:		Voice Message
😁 Radio 3 🛛 📮 🔇	4 5	6				Voice Message
📙 Monitoring group 🛛 早	7 8	3 9				CrossPatch X
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GPS Positioning	Playback 📷 Save	Pause 🧇 Clean 🖏	Keload 📋 Filter By F	adio   = Grouping	Y Auto Filter 🧼 Default Settings 🛛 🔤 Snow Not	es 🛃 Add Note 斗 Add Message
(III)	Date ∇	Radio System	Sender	Recipient	Message	Note
and Job Ticketing	22.04.2014 15:34:34	Repeater #1 Slot 2	105	All	Broadcast call from '105' (00:00)	
as sos manerally	22.04.2014 15:34:34	Repeater #150t 1	105	Unknown group: 1010	Radio 105 calls group Unknown group: 1010 (00:03)	
Route Management	22.04.2014 15:22:47	Penester #1 Slot 1	Andstasiya 105	Linknown group: 1010	Padio '105' calls group 'Lloknown group: 1010' (00:08)	netw
Note Handgement	22.0 1.2011 11. 10.03	Repeater #1 Slot 1	105	Unknown group: 1010	Radio '105' calls group 'Lloknown group: 1010' (00:08)	
Text Messages	22.04.2014 14:43:39	Repeater #1 Slot 1	105	Unknown group: 1010	Radio '105' calls group 'Unknown group: 1010' (00:09)	
- Text Hessiges	22.04.2014 14:41:40	Repeater #1 Slot 1	105	Unknown group: 1010	Radio '105' calls group 'Unknown group: 1010' (00:03)	
Reports and Statistics	22.04.2014 14:38:56	Repeater #1 Slot 1	105	Unknown group: 1010	Radio '105' calls group 'Unknown group: 1010' (00:07)	
B Reports and Statistics	22.04.2014 14:38:50	Repeater #1 Slot 1	105	Unknown group: 1010	Radio '105' calls group 'Unknown group: 1010' (00:04)	
Event Log	22.04.2014 14:36:17	Repeater #1 Slot 2	105	All	Broadcast call from '105' (00:04)	
	22.04.2014 14:36:16	Repeater #1 Slot 1	105	Unknown group: 1010	Radio '105' calls group 'Unknown group: 1010' (00:07)	
A Telemetry	22.04.2014 14:36:15	Repeater #1 Slot 2	105	All	Broadcast call from '105' (00:00)	
in recirculy	22.04.2014 14:36:12	Repeater #1 Slot 1	105	Unknown group: 1010	Radio '105' calls group 'Unknown group: 1010' (00:03)	<b>•</b>
Radio Allocation	Record / of 106	P PP PPI 4				4

#### **Redirect Phone Call to a Subscriber Radio**

Click **Menu** (1) button, then select **Redirect Call** and select the subscriber or dispatcher to redirect the call to.

Elie View Map Iools Help							
Radio	Radio Interface						
di 🗄 🗄 👶 % 🍸 😒	Radio Interface Recent Calls/Events	Extended Messages					
				<b>^</b>	Quick Commands		
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A 105	Menu		broudcust cui				
	Line 1 Hold Call		Session:		Record 🔻 😰 File 🔻		
	Line 4 Redirect Call		Free channel	To	: Selected Control Stations		
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as 205	1 2 3		Sender:		Voice Message		
🛞 Radio 3 🛛 📮 🔇	4 5 6				ice Message		
📙 Monitoring group 🛛 루	7 8 9				CrossPatch X		
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📊 test group 📮				Dra	g and Drop Control Station here to create new group		
				-			
Radio	Recent Calls/Events						
	🖾 Playback 🚽 Save 💷 Pause 🍼 Cle	an 🧐 Reload 📊 Filter By	Radio 📑 Grouping 🤊	🍸 Auto Filter 🍥 Default Settings 🛛 🧱 Show Notes 🖡	🛛 Add Note 🛛 🗔 Add Message		
GPS Positioning	Date V Radio System	Sender	Recipient	Message	Note 🔺		
	22.04.2014 15:34:34 Repeater #1 Slo	t 2 105	All	Broadcast call from '105' (00:00)			
🚡 Job Ticketing	22.04.2014 15:34:34 Repeater #1 Sk	ot 1 105	Unknown group: 1010	Radio '105' calls group 'Unknown group: 1010' (00:03)			
$\sim$	X 22.04.2014 15:22:47	Anastasiya	105	Dispatcher 'Anastasiya' has requested presence in the netw			
👸 Route Management	22.04.2014 14:46:03 Repeater #1 Slo	it 1 105	Unknown group: 1010	Radio '105' calls group 'Unknown group: 1010' (00:08)			
	22.04.2014 14:44:23 Repeater #1 Slo	ot 1 105	Unknown group: 1010	Radio '105' calls group 'Unknown group: 1010' (00:08)			
Text Messages	22.04.2014 14:43:39 Repeater #1 Sig	it 1 105	Unknown group: 1010	Radio '105' calls group 'Unknown group: 1010' (00:09)			
	22.04.2014 14:41:40 Repeater #1 Sid	t 1 105	Unknown group: 1010	Radio 105 calls group Unknown group: 1010 (00:03)			
Reports and Statistics	22.04.2014 14:38:50 Repeater #1 Slo	it 1 105	Unknown group: 1010	Radio '105' calls group 'Unknown group: 1010' (00:04)			
• • • • •	22.04.2014 14:36:17 Repeater #1 Slo	t 2 105	All	Broadcast call from '105' (00:04)			
Event Log	22.04.2014 14:36:16 Repeater #1 Slo	ot 1 105	Unknown group: 1010	Radio '105' calls group 'Unknown group: 1010' (00:07)			
Talamata	22.04.2014 14:36:15 Repeater #1 Sk	ot 2 105	All	Broadcast call from '105' (00:00)			
U releffed y	22.04.2014 14:36:12 Repeater #1 Slo	ot 1 105	Unknown group: 1010	Radio '105' calls group 'Unknown group: 1010' (00:03)	•		
Radio Allocation	Record / of 106 P P PH 4						
	Recent Calls/Events Recent Calls Radio Sta	te Active Tasks Active Routes	User Activity Map				


Redirect Call icon appears:

Redirect call	×
Abonent type: Abonent name:	Radio abonent
	OK Cancel

- Abonent type select radio subscriber or dispatcher to redirect the call<sup>^</sup>
- Abonent name select radio in the dropdown list.

Click **OK** to redirect the call to a selected radio subscriber.

### Make a Call Phone to Radio

To make a phone call to a subscriber radio, dial the SIP account's phone number.



Follow the voce menu's prompts or ask the dispatcher to redirect your call to the subscriber.

#### Make a DTMF Call

**Note:** Only 1.07.02 and higher firmware version for all radios equipped with dialing keyboard support DTMF.

To make a DTMF call, do the following:

- Press PTT on a portable radio and hold it.
- While holding PTT, dial the phone number and press # (For example: 0079521112233#).



• Release PTT. The RadioServer will automatically initiate a phone call.

## Call by Sending Text Message to the Base

To make a call to a phone number send to the TRBOnet Server a text message with the text PrefixN where:

- **Prefix** is a short text to define special text message (e.g. sip:)
- **N** the phone number.

For example, to initiate a call to a phone subscriber "123 456 7890" the following text message should be sent to TRBOnet Server Radio ID: "sip:1234567890".

Note: For more details on Text Messages see <u>Text Messages</u> section.

## To Terminate a Call

To terminate the call press **PTT** and then press # twice on the subscriber radio.



# **GPS** Positioning

On **GPS Positioning** tab Dispatcher can monitor selected subscriber location on supported maps, open different map types in separated tabs and quickly toggle between map tabs:



- 1 **Subscriber List**. Displays Subscribers, Radio and Logical Groups.
- 2 Calls Pane. Displays all available call types.
- 3 Map. Allows radio subscribers and routes monitoring on map.

4 – **Map objects pane**. Displays connected beacons, manually created map objects, map regions and map routes.

- 5 **Activity Monitor**. Displays the following dispatcher actions:
- Monitor and listen to recent calls and view Server events
- Monitor selected radio state
- Monitor active tasks for selected radio
- Monitor active routes for selected radio
- Enable and disable User Activity monitoring
- Monitor beacons and beacons events.



# **Objects**

On Map objects section Dispatcher can view and enable/disable the following objects:

- Beacons all connected beacons in the system
- Map Objects all manually created map objects and predefined objects created with Map Drawing Toolbar
- Map Regions all map regions created with Map Drawing Toolbar (use Add Polygon tool to create a map region)
- Map Routes all map routes created with Map Drawing Toolbar (use Draw Route tool to create a map route).

### Beacons

TRBOnet Dispatch Software provides the **Indoor Positioning** feature to monitor radio location inside building, where no GPS signal is available. The feature requires additional hardware (beacons spread around the building and option boards in radios). A subscriber will be displayed on indoor floor plan on exact beacon when the radio comes to the beacon's coverage area. The beacon icon on map notifies on the amount of radios that are currently in this beacon's coverage area (e.g. Room 1(3) - there are 3 radios in Room 1).

*For more details on Beacons adding and configuring see <u>TRBOnet Administration Guide</u>, Beacons section.* 

<u>File View Map Tools H</u> elp				
GPS Positioning	Мар			Objects
💼 🗄 🛔 👶 🔗 🍸 😒	Intercom	Test Call		E t
Radio, Dispatchers, Radio Group, 👻		Test Call		
	🐼 1: Line free 💽 🚺 Repeater #1 S	Slot 1 🕘 📢 🕗 🔽 Repeater	#1 Slot 2 •)) • •	🖵 📝 🗁 Beacons
🔹 105 🛛 🔇 🔺	BING_AREA airport		×	c 🔤 😡 beacon 4359
🔲 Radio 10 🔇 💷	💽 🔍 📑 beacon 4359 🔻 Show Beacons:	All 🔹 🌽 Show Rou	ıte 凝 🐑 History 🔲 Overview 🤇	Map Objects
🔲 Radio 10 🔇			(as per	🖶 🗹 🗁 Map Regions
Radio 105			specification)	📝 🏹 Test region
Radio 11				📖 📄 🗁 Map Routes
Radio 11	VOID			2'
Radio 11				
		FLAT NO. 101		
H Radio 13	5-1,"X4 beacon 4	359(1) FLAT NO :104	FOYER 8'-10 "X6'-0"	
	1: Store Radi	io 105	0.10, 10.00	
Radio				
GPS Positioning			SHOE RACK	
30b Ticketing				
Route Management	Beacons Events			
	📝 Clean l Reload 🛛 🐺 Grouping 🌱 Auto Filter	r 🗇 Default Settings 🛛 🧰 Show	Note 🧱 Add Note 🔛 Extended Note	
🖂 Text Messages	Date	Beacon	Message	
	7/10/2014 2:05:10 AM Radio 105	beacon 4359	Location received (No GPS)	
Reports and Statistics	7/8/2014 6:12:40 AM Radio 105	beacon 4359	Location received (No GPS)	
	100 100 100 AM	beacon 1555	Locador received (no or 5)	
Event Log				
relemetry				
Radio Allocation				•
	Recent Calls/Events Recent Calls Radio State Active Tasks	Active Routes User Activity Beaco	ons Beacons Events	

Beacons are displayed on the building floor plan (1) and in the beacons list (2).



# Floor Plan Displaying Controls

Floor Plan Displaying Controls can be found in the upper part of the floor plan:



#### 1 - Zoom in/out

- Click Solution to zoom in a map.
- Click Solution to zoom out a map.
- 2 Set Location
- Click light button to set beacons location manually.

3 – **Available beacons** dropdown list. Select beacon in the list and then click is set location manually for a selected beacon. If you are going to add a new beacon, select New Beacon in the dropdown list and click is to add new beacon on map.

- 4 **Show Beacons**. Dispatcher can select beacon type to display on map.
- All all beacons are displayed on map
- With Radios beacons with attached radios are displayed on map
- Without Radios beacons without radios are displayed on map
- No all beacons are hidden on map
- 5 Show Route.

Click Show Route... button to display radio's route for the selected time period:



-	Show Route	
	Radio:	[105 <b>-</b>
	From:	07.04.2014 0:00
	To:	<last known="" location=""></last>
	Color:	0; 255; 255
		OK Cancel

- Radio Select radio to display the route
- From/To Select time period to show radio's route
- **Color** Select color to display the route.

Click **OK** to show selected radio route.

6 - Clear Route.

Click to hide all routes on map.

7 – **History**.

Click to load beacons' information:



Beacon history	_				×
Radio	Bea	con	[	Date	State
Radio 3	beacon 435	i9	07.04.2014 1	6:52:35	Detected
Radio 3	beacon 435	i9	07.04.2014 1	6:52:46	Lost
Radio 3	beacon 435	9	07.04.2014 1	6:52:46	Lost
Radio 3	beacon 435	i9	07.04.2014 1	6:52:49	Detected
Radio 3	beacon 435	i9	07.04.2014 1	6:55:55	Lost
Radio 3	beacon 435	i9	07.04.2014 1	6:55:55	Lost
Radio 3	beacon 435	i9	07.04.2014 1	6:56:48	Detected
	(03.03.20      To: <a href="https://www.example.com"></a>	<b>4</b> 14 0:00	>	3	Load
105	,				
114					
202			_		
205			2		
Radio 3		-			
Select All	Unselect A	VI			

1 - Select time period to request the data

2 – Select radios to request the data for. Click **Select All** to display history for all radios registered in the system. Click **Unselect All** to cancel radios selection.

3 – Click **Load** to load the history.

4 – Use these buttons to manage the history (to play, stop or skip beacons events).

The history is displayed in the upper part of the window.

#### 8 - Overview.

Click to see the whole floor plan.

#### 9 – Select map.

Click to change the map.

For more details on map types see <u>Map Types</u> section.

### **Map Objects**

Dispatcher can create custom and predefined map objects using <u>Drawing</u>. Dispatcher can attach 2D or 3D floor plans for Indoor Positioning.

For more details on map objects creation see <u>Drawing</u> section.



## **Map Regions**

Dispatcher can create map regions used for geofencing rules. Map Regions can be created manually on map (click any point on map to select it as region border) or Dispatcher can add map points by GPS coordinates to create a region.

For more details on map regions creation see <u>Drawing</u> section.

#### **Map Routes**

Dispatcher can create routes on map used for geofencing rules.

For more details on map routes creation see <u>Drawing</u> section.

# **Map Tools**



Map Tools can be found in the upper part of map:

# Zoom in/out

- Click Set button to zoom in a map.
- Click Substitution to zoom out a map.

### **Bookmarks**

- Click 😒 button to open Bookmarks panel.
- Select Save as a bookmark to save map region. Dispatcher can create any numbers of bookmarks. To open the bookmark, select its title in the list.



## **Default region**

Click \_\_\_\_\_ button to select default region. Dispatcher can save only one default region. To open the default region select Show default region.

#### **Filter**

Select filters to display radios on map:



- radio on, GPS data received



🧿 - radio on, no recent GPS

🔘 - radio off, no recent GPS.

All filters are enabled by default. Click selected icon to disable selected radios type on map.

### Ruler

Click 🖉 button to enable Ruler tool to measure a distance:



Left-click the selected map point to start measuring. Left-click the selected map point to see measuring results.

### **Search by Address**

Dispatcher can search map objects by address.



#### Note: For online maps Internet access required!

Click Search by address button to find address on map:

Search by Address (MAPNIK)	x
Baltimore ave	٩
Baltimore Avenue, MD, USA Baltimore Avenue, Philadelphia, PA, USA Baltimore Avenue, Albertville, AL 35950, USA Baltimore Avenue, Cumberfand, MD 21502, USA Baltimore Avenue, Cumberfand, MD 21502, USA Baltimore Avenue, Cincinati, OH, USA Baltimore Avenue, Cincinati, OH, USA Baltimore Avenue, Incianato, IN, USA Baltimore Avenue, Indianapolis, IN, USA Baltimore Avenue, Midland, MO, USA Baltimore Avenue, Point Pleasant Beach, NJ 08742, USA Baltimore Avenue, Point Pleasant Beach, NJ 08742, USA Baltimore Avenue, NUSA Baltimore Avenue, Decatur, IL 62521, USA Baltimore Avenue, Hot Springs, SD 57747, USA Baltimore Avenue, Waycross, GA, USA Baltimore Avenue, Waspapeque, NY 11758, USA Baltimore Avenue, Waspapeque, NY 11758, USA	
Baltimore Avenue, Hammond, IN 46327, USA Baltimore Avenue, Egg Harbor City, NJ 08215, USA Baltimore Avenue, Bethesda, MD, USA Baltimore Avenue, Laurel, MD 20723, USA	Ŧ

Click selected object in the list to display it on map:



# **Drawing Panel**

Click 🖉 button to open Drawing Panel:



🜱 🐎 🕞 🏠 🏠 🏠 🏠 Custom object: 🕂 Add 🔀 Delete 🔡 Save 🔛 Cancel

## Draw Polygon

Click to open dropdown menu.

Select **Set on map** to set polygon points manually on map:

<u>File View Map Tools H</u> elp			
GPS Positioning	Мар	<b>S</b>	Objects
📑 🗄 🛔 👶 🗶 🍸 🚳	Intercom	2 Test Call 🔊 🖷 Ø	10 E
🗆 🚴 Online Di	Solution of the second s	2 Repeater #1 Slot 2 →) (4€)	🗹 🦢 Beacons 🗹 🎯 beacon 4359
Z Dispa	DING_AREA   airport/ MAPNIK	Prawing Papel Route & @ Geofencing Scoogle Faith	
🛛 🔄 🔡 Departm 📮			Map Objects
adio 📮 😒		Save 🙀 Cancel	L Test region
🖻 🗹 📑 Departm 📮	the map to add points of a region.	Save Cancel	📄 🦙 Map Routes
🗹 💌 105 🛛 😒	Input Coordinates		
🗹 🔒 Radio 🔇	· · · · · · · · · · · · · · · · · · ·		
🖪 Radio 🔇			
💰 Radio 💷 📎			
Radio		Pierz	
		and a series of the series of	
Radio			
GPS Positioning			
Job Ticketing		Latitude: 45°59'10.85"N; Longitude: 94°06'52.39"W	]
Route Management	Recent Calls/Events		
<b>J</b>	🎒 Playback 🚽 Save 💷 Pause 🛷 Clean 嵡 Reload   懫 Filter By Ra	adio   🚍 Grouping 🍸 Auto Filter 🗼 Default Settings   🚰 Details	🧮 Show Notes 🎇 Add Note 🐥
Text Messages	Date Radio System Sender Recipient	Message Details	Note Ext. Note 🔺
	7/11/2014 3:42:07 AM Repeater #1 Slot 1 Radio 105 Unknown	group: Radio 'Radio 105' calls group 'Un Members: Radio 105	
Reports and Statistics	X         7/11/2014 3:41:59 AM         Repeater #1 Slot 1         RadioServer         Radio 10.           2/11/2014 3:42.48 AM         Description #1 Slot 1         RadioServer         Radio 10.	5 Telemetry status cannot be recl	
	7/11/2014 3:33:46 AM Repeater #1 Slot 1 Radio 105 Unknown	group: Radio 'Radio 105' calls group 'Un Members: Radio 105	
Event Log	7/11/2014 3:32:54 AM Repeater #1 Slot 1 Radio 105 Unknown	group: Radio 'Radio 105' calls group 'Un Members: Radio 105	
	7/11/2014 3:31:56 AM Repeater #1 Slot 1 Radio 105 Unknown	group: Radio 'Radio 105' calls group 'Un Members: Radio 105	
Telemetry	7/11/2014 3:31:51 AM Repeater #1 Slot 1 RadioServer Radio 10	5 Telemetry status cannot be reci	•
(1)	44 44 4 Record 1 of 149 ► ₩ ₩ 4		Þ
Carling Radio Allocation	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes	User Activity Beacons Beacons Events	

Left-click new polygon points on map to create a new polygon.

Click **Save** button on the Map Drawing Toolbar to add a new polygon:



dd New Object o	n Map		
General Region			
Name:	New Region		
Description:	Test Polygon		
	rescrotygon		
			~
		OK	Cancel
		ОК	Cancel
		OK	Cancel
dd New Object o	n Map	OK	Cancel
dd New Object o General Region	n Map	OK	Cancel
dd New Object o General Region Color:	n Map	OK	Cancel
dd New Object o General Region Color: I Fill region	n Map	OK	Cancel
dd New Object o General Region Color: I Fill region Transpare	n Map	OK	Cancel
dd New Object o General Region Color: I Fill region Transpare	n Map 0; 0; 255 area ncy: 90 👘 %	OK	Cancel
dd New Object o General Region Color: I Fill region Transpare	n Map		Cancel
dd New Object o General Region Color: I Fill region Transpare	n Map		Cancel
dd New Object o General Region Color: I Fill region Transpare	n Map		Cancel
dd New Object o General Region Color: I Fill region Transpare	n Map 0; 0; 255 area ncy: 90 🔦 %		Cancel
dd New Object o General Region Color: I Fill region Transpare	n Map		Cancel
dd New Object o General Region Color: I Fill region Transpare	n Map 0; 0; 255 area ncy: 90 🐨 %		Cancel
dd New Object o General Region Color: I Fill region Transpare	n Map		Cancel
dd New Object o General Region Color: I Fill region Transpare	n Map		Cancel
dd New Object o General Region Color: I Fill region Transpare	n Map		Cancel

On the **General** page specify the following new region parameters:

- **Name** specify a name for new map region
- **Description** specify a description for new map region.

On the **Region** page specify the following new region parameters:

- **Color** select color to display new region on map
- Fill region area select to mark the whole region not borders only
- **Transparency** select filled region transparency level (%).



Click **OK** to add a new region on map.

Map object creation in the coordinates

Select Input Coordinates to type polygon points coordinates manually:

Click Add button to add coordinates.

Click Edit button to edit selected coordinates.

Click **Delete** button to delete selected coordinates.

Dispatcher can add polygon coordinates in the Map Objects window and then save these coordinates on the local PC using **Export** tool. Coordinates file will be saved as MS Excel table (.csv file). Dispatcher can create any number of coordinate tables and save them on the local PC.

And conversely, Dispatcher can create coordinates list in MS Excel and save it as .csv file to create the polygon with predefined coordinates using **Import** tool.

Note: coordinates must be in format as follows: x,xxxx (comma required).

Click Save button to save new polygon coordinates.

Then save a polygon as new object on map:



and the object	on Map		
General Regio	n		
Name:	New Region		
Description:	Test Polygon		*
			~
		011	
ld New Object	on Map	OK	Cancel
dd New Object General Regio	on Map	UK	Cancel
dd New Object General Regio Color:	on Map on		Cancel
dd New Object General Regio Color:	on Map m 0; 0; 255 n area		Cancel
dd New Object General Regio Color: V Fill regio Transpa	on Map on		Cancel
dd New Object General Regio Color: V Fill regio Transpa	on Map n 0; 0; 255 n area rency: 90 🖈 %		Cancel
dd New Object General Regic Color: I Fill regio Transpa	on Map m i 0; 0; 255 n area rency: 90 🔹 %		Cancel
dd New Object General Regio Color: I Fill regio Transpa	on Map n i 0; 0; 255 n area rency: 90 💉 %		Cancel
dd New Object General Regio Color: I Fill regio Transpa	on Map m i 0; 0; 255 n area rency: 90 🚖 %		Cancel
dd New Object General Regio Color: I Fill regio Transpa	on Map		Cancel
dd New Object General Regio Color: I Fill regio Transpa	on Map In I 0; 0; 255 In area rency: 90 👘 %		Cancel
dd New Object General Regic Color: I Fill regio Transpa	on Map m [0; 0; 255 n area rency: 90 🚖 %		Cancel
dd New Object General Regio Color: I Fill regio Transpa	on Map		Cancel
dd New Object General Regio Color: I Fill regio Transpa	on Map		Cancel
dd New Object General Regic Color: I Fill regio Transpa	on Map m [0; 0; 255 n area rency: 90 🚖 %		Cancel
dd New Object General Regio Color: I Fill regio Transpa	on Map		Cancel

On the **General** page specify the following new region parameters:

- **Name** specify a name for new map region
- **Description** specify a description for new map region.

On the **Region** page specify the following new region parameters:

- **Color** select color to display new region on map
- Fill region area select to mark the whole region not borders only
- **Transparency** select filled region transparency level (%).



Click **OK** to add a new region on map.

### 2 - Draw Route.

Select to draw route for geofencing feature manually. Selected route will be used as a corridor with adjusted active area.

Left-click selected route points to create new route manually:

<u>File View Map Tools H</u> elp			
GPS Positioning	Map 🕒	Objects	
📴 🗄 🗄 👶 🛠 🏹 🚳	✓ Intercom 비록⊘ Firemen 비록⊘ Test Cal 비록⊘	E 1	
🖻	③ 1: Line free € Ø ✓ Repeater #1 Slot 1 0 € Ø ✓ Repeater #1 Slot 2 0 € Ø	Beacons	4359
🙎 Dispa	BING_AREA airport/ MAPHIK ×		n
🗉 🔄 📑 Departm 📮	Coogle Earth	🔲 🗁 Map Objects	S
💰 Radio 📮 📎	7 🎦 🖟 🕼 😭 🔐 😭 Custom object: 🌵 Add 🗙 Delete 💾 Save 🎇 Cancel	3- 🗹 🚈 Map Region:	s
🗆 🗹 📙 Departm 📮	Add ways Gancel Click the efft mouse button on the map to add points of a way.	Map Routes	
🗹 🔹 105 🛛 🔇			
🗹 📮 Radio 🔇			
🔲 Radio 🔇			
💰 Radio 💷 🔇			
Radio	Perz		
Radio			
GPS Positioning			
30b Ticketing	1 km		
Route Management	Recent Calls/Events		÷
	🎬 Playback 🚽 Save 💷 Pause ダ Clean 🦃 Reload 📲 Filter By Radio 📑 Grouping 🍸 Auto Filter 🍥 Default Settings 😭 Details 🞬	Show Notes 🧱 A	dd Note 🎇
🖂 Text Messages	Date Radio System Sender Recipient Message Details	Note	Ext. Note 🔺
	7/11/2014 3:42:07 AM Repeater #1 Slot 1 Radio 105 Unknown group: Radio 'Radio 105' calls group 'Un Members: Radio 105		
Reports and Statistics	7/11/2014 33:438 AM Repeater #1 Stot 1 Radio 95 Information provide Status Carlos De Carlos Control De reduction of the status Carlos Control De Carlos Control 10 Action 105 Information provide Status Carlos Control De Carlos Control 10 Action 105 Information provide Status Carlos Control De Carlos Control 10 Action 105 Information provide Status Carlos Control De Carlos Control 10 Action 105 Information provide Status Carlos Control De Carlos Control 10 Action 105 Information provide Status Carlos Control De Carlos Control 10 Action 105 Information provide Status Carlos Control De Carlos Control 10 Action 105 Information provide Status Carlos Control De Carlos Control Contr		
<i>1</i> 73	7/11/2014 3:34:24 AM Repeater #1 Slot 1 Radio 105 Unknown group: Radio 1x5' calls group 'Un Members: Radio 105		
Event Log	📝 7/11/2014 3:32:54 AM Repeater #1 Slot 1 Radio 105 Unknown group: Radio 'Radio 105' calls group 'Un Members: Radio 105		
D Televiter	7/11/2014 3:31:56 AM Repeater #1 Slot 1 Radio 105 Unknown group: Radio 'Radio 105' calls group 'Un Members: Radio 105		
Telemetry	X         7/11/2014 3:31:51 AM         Repeater #1 Slot 1         Radio Server         Radio 105         Telemetry status cannot be reci		•
Radio Allocation	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Beacons Beacons Events		•

New Route displayed on map.

Click **Save** button to save new route as map object:



	Мар				x
General Region					
Name:	New Region				1
Description:	Test Polygon				1
	react orygon				
				~	
				Caper	4
			ОК	Cance	
			ОК	Cance	
dd New Object on	Мар		OK	Cance	×
dd New Object on General Route	Мар		OK	Cance	×
dd New Object on General Route Color:	Map		ОК	Cance	2 ×
dd New Object on General Route Color: Active area (m)	Map 0; 0; 255 ):	100	OK		*  ×
dd New Object on General Route Color: Active area (m)	Map 0; 0; 255 ):	100	OK V	Cance	× 7
dd New Object on General Route Color: Active area (m)	Map 0; 0; 255 ):	100	OK		×
dd New Object on General Route Color: Active area (m)	Map 0; 0; 255 ):	100	OK T	Cance	2 X ]
dd New Object on General Route Color: Active area (m)	Map 0; 0; 255 ):	100	OK		×
dd New Object on General Route Color: Active area (m)	Map	100	OK T	Cance	×
dd New Object on General Route Color: Active area (m)	Map 0; 0; 255 ):	100	OK I	Cance	×
dd New Object on General Route Color: Active area (m)	Map 0; 0; 255 ):	100	OK	Cance	

On the **General** page specify the following new region parameters:

- **Name** specify a name for new map region
- **Description** specify a description for new map region.

On the **Route** page specify the following new region parameters:

ОК

- **Color** select color to display new route on map
- Active area select corridor width. If a radio will pass out of active area, Dispatcher will receive an alarm signal.

Cancel



Click **OK** to save new route as map object.

## 3 – **Add point**. Select to add a custom point on map

Left-click on map to add a custom point:



Dispatcher can add the following default map objects types:

- Add Warning
- Add Police Department
- Add Emergency Department
- Add Fire Department
- Add House

Or add a custom object with any icon.

On the **General** page specify a Name and description for new object.



Add New Object	on Map
General Beaco	n Map
Name:	Department
Description:	Police
	v
	OK Cancel

Besides, if you have a 2D or 3D floor plans of the selected object, you can attach these floor plans to the new object. Go to **Beacon Map** to add a floor plan:

Name     Type       Museum     3D       Add Map     Update N       Delete Map     Downlos       Set as Default Map	Loc.Version	Version 1	ColumnHeader
Add Map Update N Delete Map Downloa Set as Default Map	ap	-	Open
	d		

Add map – click to add 2D or 3D map for a building;

**Note:** For more details on 2D/3D maps see <u>Map Types</u> section.

- **Update map** click to update an existing map;
- Delete map click to delete an existing map;
- Download click to download a map from the server
- **Open** click to open a 2D\3D floor plan in a window.
- Set as Default Map select to set the floor plan as a default map for the object.



Click **OK** to add an object.

10 – **Add new custom object on map**. Select to add new object with custom icon and dimensions on map:

Custom Object on Map				
Name:	Oiler			
Select image				
C:\Users\a.v	olkova\Desl	ktop\Oil.jpg		
Preview				
16 x	16	24 x 24	32 x 32	48 x 48⁺
G	)		٢	
Advanced mo	<u>ode</u>		OF	Cancel

- Name specify a name for new map object
- Select image click button to select icon picture for new object. Click
   button to delete selected picture.

In the **Preview** field see available icon dimensions preview.

When **Basic** mode of custom icon used, Dispatcher can select one image for available icon dimensions.

To set icons dimensions go to **Tools**, **Options** and select **Map** tab:





To set different images for every icon dimension click **Advanced mode** button:

Custom Object on Map	0	Section 1	x
Name:			
lmage 16 x 16			
C:\Users\a.volkova\D	esktop\77.png		
Image 24 x 24			
C:\Users\a.volkova\D	esktop\clip_image	:002.jpg	
Image 32 x 32			
C:\Users\a.volkova\D	esktop\clip_image	:006.jpg	
Image 48 x 48 *			
C:\Users\a.volkova\D	esktop\Oil.jpg		🔍 💌
Specify pictures for all a select picture for 48X4	available icons typ 8 icon only.	es (recommended) o	or
Preview			
16 x 16	24 x 24	32 x 32	48 x 48*
	Ţ	Ť	
Basic mode		ОК	Cancel

Select the same or different images for available icons dimensions.

Click **OK** to save custom icons.

To set icons dimensions go to Tools, Options and select Map tab:



Options	<b>—</b> X—
Sound Map Hardware Advanced	Volume Alarm
Configure the size of images the	at are shown on the map
Map refresh interval:	30 🚔 seconds
Select the image size:	32 x 32 pixels 🔻
Select the default image type:	Bicycle 🔻
Show the direction of motion:	
Get street names online:	
The images below will be shown on the m	ap:
Radio is turned off:	<b>5</b>
Radio is turned on, but GPS module work:	does not
Radio is turned on and GPS module to properly:	works
Radio transmits Emergency Call or si signal via telemetry:	ends Alarm
	OK Cancel

11 – **To delete Custom map Objects**. Click to select custom map objects to delete:

Delete Custom Map Objects	
03	
[_ (j) Icon	
	OK Cancel

Select objects in the list and click **OK** to delete the object.

# Route

#### Show Route

Click Show Route... button to display radio's route for the selected time period:

	Radio	Δ	Color
	0 105 113 114 115 116 12		MintCream Aqua Custom Web System MintCream MediumSpringGreen MediumAquamarine Aquamarine UightSeaGreen MediumTurquoise
Fro	<sup>201</sup> 3 4	17.03.2014 0:00 <last known="" location="">         Ø       Optimize Route (group all n         Automatic correct GPS en Configure         Ø       Show Route Direction</last>	Pelaturquoise DarkSlateGray PaleTurquoise Teal DarkCyan
			OK Cancel

- 1 Select radio to display the route
- 2 Select color to display the route
- 3 Select time period to show radio's route
- 4 Specify advanced options:
- Optimize Route (group all nearest points) select to group all points in 100 meters radius
- Automatic correct GPS errors check to detect and correct invalid GPS data.

Click **Configure** button to configure auto correct GPS errors parameters:

Automatic error correction	×		
Due to various factors the GPS receiver can give incorrect information on location and speed. Automatic error correction algorithm analizes a number of serial reports from GPS receiver and allows finding and correcting the error data.			
Parameters: The maximum available speed:	120 🗘 km/h		
	OK Cancel		

Select the maximum possible speed for your vehicles.

Click **OK** to save changes.



• Show Route Direction – select to display Route as arrow.

Click **OK** to show selected route.

**Clear Route** 

Click 🛃 button to hide routes on map.

#### **Playback Route**

Click Playback Route button to see selected radios location on map for a selected time period:

	Playback Route				
Radio	Date 🛛	GPS Data	Speed 🔺		
radio 105	21.03.2014 17:35:08	Latitude: 59°59'11,84"N; Long	0,0 km/h		
radio 105	21.03.2014 17:37:16	Latitude: 59°57'26,70"N; Long	0,0 km/h		
radio 105	21.03.2014 17:37:19	Latitude: 59°59'26,68"N; Long	0,0 km/h		
radio 105	21.03.2014 17:41:10	Latitude: 59°58'18,65"N; Long	0,0 km/h		
radio 105	21.03.2014 17:41:13	Latitude: 59°58'52,06"N; Long	0,0 km/h		
radio 105	21.03.2014 17:48:15	Latitude: 59°59'16,78"N; Long	0,0 km/h		
radio 105	21.03.2014 17:49:26	Latitude: 59°59'10,60"N; Long	0,0 km/h		
radio 105	21.03.2014 18:33:58	Latitude: 59°57'37,84"N; Long	0,0 km/h		
radio 105	21.03.2014 18:34:01	Latitude: 59°58'47,12"N; Long	0,0 km/h		
Total: 16			-		
Image: Show All       Load         From:       03.03.2014 0:00         To: <last known="" location="">         Image: Voltage Route (group all nearest points)         Image: Voltage Route (group all nearest points)</last>					
✓ 114		Cri	mson 💌		
✓ radio 105 FloralWhite					
Select All	Unselect All				

- From select date to start radio location monitoring;
- **To** select date to finish radio location monitoring;
- Optimize Route (group all nearest points) select to group all points in 100 meters radius
- Automatic correct GPS errors check to detect and correct invalid GPS data and select the maximum possible speed for your vehicles.



Select radios you want to playback route and select color to mark radio's location.

Click **Select All** button to show routes of all radios registered in the system.

**Note:** If any radio registered in the system have changed location (GPS data was sent) in a time period selected in the **Playback Route** parameters, click **Show all** button to display this radio location on map.

Click Load button to view selected radios location data.

Dispatcher can playback radios route using



### Geofencing

Geofencing allows to control location and speed of radios respectively to specified regions on a map.

Geofencing monitoring consists of: manually configured regions and tasks. Regions specify where to use rules, tasks specify how to rules for the regions and radios.

*For more details on Geofencing rules configuring see <u>TRBOnet Administration Guide</u>, <i>Geofencing* section.

Click **Geofencing** button to configure geofencing rules:

Dispatcher cans **add/disable/delete** rules for geofencing and edits current rules:



Geofencing and Speed Control					X
Rules	General Scheduler Reg	ons Radios	Lone Worker		
<pre><rule name=""></rule></pre>					
<pre><rule name=""></rule></pre>	Name:	< rule name	e >		
	Description:				
\4	Send Call Alert to a	radio if the r	ule has been trig	ggered	
	Reset Alarm mode if	the rule is n	not triggered		
	📝 Speed and Idle Con	rol			
	Control mode:	C	Control everywh	ere	•
	Maximum Speed	: 6	50 <sup>‡</sup>	km/h	
	📃 Maximum Idle Ti	me: 9	90 🇘	seconds	
	🔽 Activate Alarm r	node if the ru	ule has been trig	ggered	
	Send Text Mess	age to a radi	lio if the rule has	been triggered	
	Regions Control				
1 / 2	control mode:		Control leaving r	egions	-
1/2	🔽 Activate Alarm n	de if the ru	ule has been trig	gered	
	Send Text Message to a radio if the rule has been triggered				
Activate boteWorker mode if the rule has been triggered					
Add Rule   Disable Rule  Delete Rule  OK  Cancel					

- Click Add Rule button (1) and select the appropriate rule in the dropdown list to add a rule in current geofencing configuration. New rule is displayed in the list of rules (4).
- Click **Disable rule** button (2) to disable selected rule.
- Click **Delete rule** button (3) to delete selected rule.

Variable settings for geofencing rules of event types (Map Region, Beacons, Radios and Lone Worker) are represented in the table below:

Event type	Tab Name	Parameters
Common Settings	General	<ul> <li>Name – specify the rule's name;</li> <li>Description – add the rule's description;</li> </ul>
	Scheduler	<ul> <li>Perform the rule on a schedule - click to start scheduler for geofencing rules;</li> <li>Days of week - select the days to activate the geofencing rule;</li> <li>Start time - set the time to start the rule;</li> <li>Stop time - set the time to stop the rule.</li> </ul>
	Radios	<ul> <li>All radios – select to apply this rule for all radios;</li> <li>Only selected radios – select to apply the rule for one or several radios;</li> <li>Select all – click to select all radios in the list;</li> <li>Deselect all – click to deselect all radios in the list.</li> </ul>



Event type	Tab Name	Parameters
Map Region. Allows to configure rules when radio(s) enters or leaves configured map region(s).	General	<ul> <li>Regions Control - select to enable regions control;</li> <li>Control mode - select the control mode for regions in the dropdown list;</li> <li>Activate Alarm mode if the rule has been triggered - select to activate Alarm mode in the Dispatch Console if Regions Control rule has been triggered;</li> <li>Send Text Message to a radio if the rule has been triggered - select to inform radio subscriber if Regions Control rule has been triggered;</li> <li>Activate Lone Worker if the rule has been triggered - allows automatically activating a Lone Worker policy for a radio in case of entering or leaving exact region on map. Select to enable this option.</li> <li>Speed and Idle Control - select to enable speed and idle control;</li> <li>Control mode - select the control mode for speed and idle control in the dropdown list;</li> <li>Maximum Speed - set the maximum speed for radio;</li> <li>Maximum Idle Time - set the maximum idle time for radio;</li> <li>Activate Alarm mode if the rule has been triggered - select to activate Alarm mode in the Dispatch Console if Speed and Idle Control rule has been triggered;</li> <li>Send Text Message to a radio if the rule has been triggered - select to inform radio subscriber if Speed and Idle Control rule has been triggered;</li> <li>Send Text Message to a radio if the rule has been triggered - select to inform radio subscriber if Speed and Idle Control rule has been triggered;</li> <li>Send Text Message to a radio if the rule has been triggered - select to inform radio subscriber if Speed and Idle Control rule has been triggered;</li> <li>Reset Alarm mode if the rule has been triggered - select to inform radio subscriber if the rule has been triggered;</li> <li>Reset Alarm mode if the rule has been triggered;</li> </ul>
	Scheduler	See above
	Regions. Select regions to apply the rule	<ul> <li>All regions – select to apply this rule for all regions;</li> <li>Only selected regions – select to apply the rule for one or several regions;</li> <li>Select all – click to select all regions in the list;</li> <li>Deselect all – click to deselect all regions in the list.</li> </ul>
	Radios	See above
	Lone Worker. Enables Lone Worker when the rule has been triggered	<b>All Tasks</b> – select to apply all tasks, configured by Administrator, when the rule has been triggered; <b>Only selected tasks</b> – select to enable Lone Worker task, configured by Administrator when the rule has been triggered.
Beacons. Allows to configure rules when beacon (s) enters or leaves coverage zone	General	<ul> <li>Control mode:</li> <li>Control entering beacon coverage zone – select to enable the rule when a radio enters beacon coverage zone;</li> <li>Control leaving beacon coverage zone - select to enable the rule when a radio leaves beacon coverage zone;</li> <li>Activate Alarm mode if the rule has been triggered - select to activate Alarm mode in the Dispatch Console if Beacons rule has been triggered;</li> <li>Reset Alarm mode if the rule is not triggered – select to reset Alarm mode in the Dispatch Console automatically if the rule condition was not triggered (e.g., when Control entering beacon coverage zone selected and radio enters to the monitored coverage zone and then instantly leaves the zone, alarm mode in the Dispatch Console will be reseted automatically)</li> <li>Send Call Alert to a radio if the rule has been triggered – select to inform radio subscriber if Beacons rule has been triggered – select to inform radio subscriber if Beacons rule has been triggered – select to inform radio subscriber if the rule has been triggered – allows automatically activating a Lone Worker policy for a radio in case of entering or leaving beacon coverage zone. Select to enable this option.</li> </ul>
	Scheduler	See above



Event type	Tab Name	Parameters
	Dedies	Con about
	Kadios	See above
	Beacons. Enables rule for selected beacons	All Beacons – select to apply this rule for all beacons; Only selected beacons – select to apply the rule for one or several beacons.
	Lone Worker	See above.
Radios. Allows use radio(s)1 as a map region and monitor when another radio(s) enters or leaves radio's coverage zone	General	<ul> <li>Control mode:</li> <li>Control Entering Region – select to enable the rule when a radio enters the coverage zone associated with another radio;</li> <li>Control Leaving Regions - select to enable the rule when a radio leaves the coverage zone associated with another radio;</li> <li>Activate Alarm mode if the rule has been triggered - select to activate Alarm mode in the Dispatch Console if Radios rule has been triggered; Reset Alarm mode if the rule is not triggered – select to reset Alarm mode in the Dispatch Console automatically if the rule condition was not triggered (e.g., when Control Entering Region selected and radio enters to the monitored coverage zone and then instantly leaves the zone, alarm mode in the Dispatch Console will be reseted automatically);</li> <li>Send Text Message to a radio if the rule has been triggered – select to inform radio subscriber if Radios rule has been triggered – select to inform radio subscriber if the rule has been triggered – select to inform radio subscriber if the rule has been triggered – select to inform radio subscriber if the rule has been triggered – select to inform radio subscriber if the rule has been triggered – select to inform radio subscriber if the rule has been triggered – select to inform radio subscriber if the rule has been triggered – select to inform radio subscriber if the rule has been triggered – select to inform radio subscriber if the rule has been triggered – select to inform radio subscriber if the rule has been triggered – select to inform radio subscriber if the rule has been triggered is the rule set to inform radio subscriber if the rule has been triggered is to inform radio subscriber if the rule has been triggered is to inform radio subscriber if the rule has been triggered is to inform radio subscriber if the rule has been triggered is to inform radio subscriber if the rule has been triggered is to inform radio subscriber if the rule has been triggered is to inform radio subscriber if the rule has been triggered is to inform r</li></ul>
	Scheduler	See above
	Regions	Select radio coverage zones the rule is applied for.
	Radios	See above
Lone Worker. Allows configure scheduled Lone Worker task	General	<ul> <li>Days of week - select the days to activate the Lone Worker rule;</li> <li>Start time - set the time to start the rule;</li> <li>Stop time - set the time to stop the rule.</li> </ul>
	Radios	See above
	Lone Worker	Select all or some configured Lone Worker tasks. When Lone Worker task is mentioned as <b>Disabled</b> , Dispatcher should enable the task. For more details on Geofencing rules configuring see <u>TRBOnet Administration</u> Guide, Geofencing section.

# **Google Earth**

Click Solution to open Google Earth application.

**Note:** Google Earth should be installed on the PC. For more details on working in Google Earth visit Google official website <u>http://www.google.co.uk/earth</u>



#### **Coverage Map**

Coverage Map option allows to see RSSI level on map. Enable **Coverage Map** on Map Tools panel.

For more details on Coverage Map see Options, Coverage Map section.

**Note:** check your license supports Coverage Map feature.

#### **Select Map**

Allows adding the new tab with selected map displayed:

Select Map		X
Map Type:	Online maps	•
Caption:	New Map	
Available Maps		
Name	Path	State
MAPNIK		ОК
CYCLE		OK
TRANSPORT		OK
LANDSCAPE		ОК
MAPQUEST		OK
BING_ROAD		ОК
BING_AREA		OK
BING_HYBRID		OK
Add	Remove	OK Cancel

- Map Type select Map Type in the Dropdown List;
- Caption specify the caption for the new map. New Tab Name will be the same as Caption;

Available Maps – select map in the table. User can add a map using its URL:

Add Map			
Name:	New Map		
URL:	http://www.openstreetmap.org/#map=9/39.2376/-104.7189		
	Example: http://tile.openstreetmap.org/{z}/{x}/{y}.png		
	OK Cancel		

Click Add button, type in the Name for new map and specify the URL.

The map should be compatible with OSM maps in Mercator projection.

For more information about map calibration see the following video tutorial.

Type in map URL, as shown in the example below the URL field.

Z – zoom. Type in zoom value for the map.



- **X** coordinate in X direction.
- **Y** coordinate in Y direction.

Click **OK** to add a map.

## Map Types

#### **Online maps:**

- OpenStreetMaps free online map. Includes MAPNIK, CYCLE, TRANSPORT, LANDSCAPE and MAPQUEST subtypes. For more details on OpenStreetMaps visit official web site: <u>http://www.openstreetmap.org</u>
- Microsoft BING commercial maps from Microsoft. Includes BING\_ROAD, BING\_AREA and BING\_HYBRID subtypes. User can try BING Maps for 90 days and then get a Basic Key. Visit <u>http://msdn.microsoft.com/en-</u> us/library/ff428642.aspx to get a Basic Key.

#### **Offline Maps**

- TRBOmap internal map-making resource. User can customize a part of online maps according to requirements. For more details on map calibration go to TRBOnet knowledge base and read the following article: TRBOmap format (old).
- TMap internal map-making resource. User can create an offline copy of online maps for selected region according to requirements. User can create a map using any picture via TRBOnet.MapEdit tool. Go to C:\Program Files\Neocom Software\TRBOnet Dispatch Software\TRBOnet.MapEdit.exe. For more details on map calibration go to TRBOnet knowledge base and read the following article: TMap format (new)
- GIS Panorama offline Russian map. For more details visit the official web site: <u>http://www.gisinfo.ru/</u>
- Beacon 2D two-dimension offline map for Indoor positioning. User can create maps using Beacon2DMapGenerator tool. To get Beacon2DMapGenerator contact your local TRBOnet dealer.
- Beacon 3D tree-dimension map for Indoor positioning. User can use any dicectX(.x) files as map.
- MapLib map format free offline map. Requires a lot of internal memory. Requires Franson GPSTools. For more details on Franson GPSTools visit the official web site: <u>http://franson-GPStools.software.informer.com/2.3/</u>
- TatukGIS commercial offline map. For more details on TatukGIS visit the official web site: <u>http://www.tatukgis.com/</u>.

# **Dock Window**

Dock Window displays the following dispatcher actions:



- Monitor and listen to recent calls and view RadioServer events
- Monitor selected radio state
- Monitor active tasks for selected radio
- Monitor active routes for selected radio
- Enable and disable User Activity monitoring
- Monitor beacons and beacons events.

For more details on Dock Window see *Error! Reference source not found.* section.

#### Beacons

On the **Beacons** page Dispatcher can view Beacons registered in the system and radios attached to these beacons:



Click **Unknown** (1) to see radios not attached to a beacon.

All beacons registered in the system are listed below (2). Click any beacon to see the radio attached to this beacon.

### **Beacons Events**

On the **Beacons Events** page Dispatcher can see beacons location data:



<u>File View Map Tools H</u> elp	
GPS Positioning	Map Objects
Radio, Dispatchers, Radio Group, 👻	✓ Intercom         ④ € Ø         Firemen         ● € Ø         Test Cal         ● € Ø         E           >> 1: Line free         € Ø         ✓ Repeater #1 Slot 2         ● € Ø         ₽ • Ø         ₽ • Ø
Conline Disp  Administ  Administ  Dispatch  Department 1  Control	BING AREA sirport
GPS Positioning	
😥 Route Management	Beacons Events 🐨 🌾 Clean 🏐 Reload   🚍 Grouping 🍟 Auto Filter 🐵 Default Settings   🔛 Show Note 🔯 Add Note 🔛 Extended Note
Contemporary Text Messages	Date  V Sender Beacon Message
Reports and Statistics	7/10/2014 2:05:10 AM         Radio 105         beacon 4359         Location received (No GPS)           7/8/2014 6:12:40 AM         Radio 105         beacon 4359         Location received (No GPS)           7/7/2014 3:28:30 AM         105         beacon 4359         Location received (No GPS)
Event Log	
Telemetry	
Radio Allocation	Recent Calls/Events Recent Calls Radio State Active Tasks Active Routes User Activity Beacons Beacons Events

Dispatcher can view messages on beacons location (received or lost) and GPS data.

- 1. Click Clean button to hide beacons events. Click Reload button to show all beacon events.
- 2. Click **Grouping** button to group events. Select column you want to group events by. Drag and drop selected column header in the Grouping field.
- 3. Click **Y** Auto Filter button to set filter for events. You can filter Events by any parameter. E.g. to filter by selected sender select **Sender** column and type in sender name to filter the data
- 4. Click Of Default Settings button to apply default settings to all events.
- 5. Click Show Notes button to enable **Note** column. All notes added by Administrator and Dispatchers are shown in the Notes column. So, you can mark events to find it by notes.
- 6. Click Add Note button to add a note for selected event. The note will be displayed in the beacons events log if **Show Notes** mode enabled.



# **Text Messages**

On Text Messages tab Dispatcher can review and send text messages to other dispatchers, individual subscribers and radio groups:

<u>File View Map Tools H</u> elp		
Text Messages	Text Messages	5
💼 🗄 🛔 👶 🗶 🍸 😒		
Radio, Dispatchers, Radio Group, 👻		
📼 🔏 Online Disp	Simple         Extended	
😤 Administ 1		
🙎 Dispatch	7/7/2014 3:40: 15 AM Administrator to All test	<b>^</b>
😑 🚽 Department 1 🛛 📮	7/7/2014 3:47:52 AM Radio 105 to Dispatcher	
💰 Radio 105 📮 📎	Administrator	
😑 📙 Department 1 🛛 📮		=
🔹 105 🛛 🔇	1/0/2017 2019130 AMM Administration to AM 1111	
🔲 Radio 10 🔇	7/8/2014 4:32:55 AM Radio 105 to Dispatcher	
	302	
Radio	7/8/2014 4:39:22 AM RadioServer to Radio 105 Call 302: Cannot initialize call	
GPS Positioning	7/8/2014 4:42:42 AM RadioServer to Radio 105 Call 302: Channel busy. Repeat call after channel dearing.	
🔡 Job Ticketing	7/8/2014 4:52:27 AM Radio 105 to Dispatcher Sip302	
💓 Route Management	7/8/2014 4:53:43 AM Radio 105 to Dispatcher Sip302	
🖂 Text Messages 🛛 🔶	7/8/2014 Subres 제비 Radio 105 to Dispatcher Sp302	
Reports and Statistics	7/8/2014 5:50:22 AM Radio 105 to Dispatcher	*
	Recipient: 🍓 Online Dispatchers 💽 🖬 Send	
Event Log		
Telemetry	3	
Radio Allocation		

1 – Subscriber List. Displays dispatchers and subscribers available for text communication.

Note: Radio must be equipped with a display to receive Text Messages

2 – Message session panel. Displays the latest messages transmitted via radio channel.

- 3 New Message panel. Provides you with text sending options.
- 4 Calls Pane in compact mode. Allows make a voice calls.

# To Send a Text Message

Dispatcher can send text message to:

- Selected Radio Subscriber
- Selected Radio Group
- Selected Logical Group
- Selected Dispatcher
- All Online Dispatchers.



Dispatcher can send text message to selected subscribers from:

- Message session panel
- Subscriber List

#### Send Text Message from Message Session Panel

Dispatcher can send simple text messages from Message session panel. To send a message to a multiple radios (groups and dispatchers) using predefined templates see <u>Send Text Message from Subscriber List</u> section.

Go to Text Messages tab (1):

<u>F</u> ile <u>V</u> iew <u>M</u> ap <u>T</u> ools <u>H</u> elp	
ATTENTION UDate	Text Messages
105 Repeater #1 Slot 1 Одинокий Работник Alarm	Service inactive       Intercom         Department #1       Intercom         Department #1       Department #2         Department #1       Department #2
Text Messages টিi ☷ 號 & 🛠 🍸 😒	Clean         Seload           24.03.2014 13:59:44         Dispatcher to 105           test message         105
0 6 12 12 0 0 0 0 0 0 0 0 0 0	24.03.2014 14:05:14 Dispatcher to Department 1 Alarm 24.03.2014 14:05:30 Dispatcher to All Alarmt 24.03.2014 14:05:30 Dispatcher to All Alarmt
Radio	24.03.2014 14:18:00 Dispatcher to 105 test
Job Ticketing	
Route Management     Text Messages	2/ 3/
Reports and Statistics	Recipient: 🎭 base 💌 💽 Send
Event Log	
Telemetry	2 113 2 114 2 115
Radio Allocation	

Specify a Recipient (2). Radio Subscribers, Radio Group, Logical Groups and Dispatchers are represented as alphanumeric descending list.

Click **Send** button to send a text message.

The message is displayed in the Message session panel.

If message details are highlighted red it means that the Recipient is offline and the message will be sent as soon as recipient will be registered in the network again.

If message details are highlighted grey, the message is delivered.



Note: an offline user will receive the message as soon as one gets online

All messages are displayed in the Message Session Panel.

Click **Clean** button to hide message history.

Click **Reload** button to display all log records list.

#### Send Text Message from Subscriber List

Dispatcher can send text messages to a multiple radios (groups and dispatchers) using predefined templates.

Select new text message recipient in the Subscriber List – selected radio or group (1):



Right-click selected recipient (radio subscriber, radio group, logical group or dispatcher(s)) to open context menu and select Send Message command (2).

Note: Context Menu for Radios, Radio Groups and Logical Groups can be different.

To send a text message you can click ᄅ button.

New Message parameters window appears:



Send Message		D	-		×
Send n	message				
Radios:					
105					
🔳 🎎 firen	men				
🔲 🎎 test	group				
🔲 <u>8</u> 105	i -				
😑 📄 🚰 test	group 1				_
🛛 🗆 🖂 🖬	Firemen				
	8 105				=
	t Group 2 Emergency				
	Energency				-
Send to offlir	ne radios				
Templates:	Test				
remplaces	reac				
Test					
Clear	J		OK	Car	ncel

- Radios Dispatcher can filter radios typing Radio name in the field. E.g. to find out selected radio with Radio Name 105 and to view all Radio and Logical groups which include the radio, type in 105 in the Radios field. Check radios or groups to send a text message.
- Send to offline radios select to send a text message to an offline radio. The default delivery period is unlimited. For more details on delivery period configuration read <u>TRBOnet Administration Guide</u>, Advanced Settings section.
- Templates. There are some predefined text templates to send to a radio. Select the template in the dropdown list or click button to edit an existing templates or add new ones. Template text is displayed in the text field.
- Click **OK** to send a text message to selected subscribers.

Note: an offline user will receive the message as soon as it comes online

# **Extended Messages**

**Extended Messages** - is a special function allowing the users to send detailed preconfigured templates containing necessary information to each other with the help of the special TRBOnet Dispatch Software application.

This service was created especially f or the clients that need to use more detailed and structured messages for their work. If the standard messages are not enough to



contain all the information you need to send you may use Extended Messages service.

Eile View Map Iools Help					
Text Vassages	Text Messages	S			
g: := 🛓 👌 🛠 🍸 😂	Service inactive				
😤 Dispatche					
📼 🐴 test group 1 🛛 📮	Simple Extended				
🛛 🗢 🏪 Firemen 🔹 📮	New Message	«			
💰 105 📮 🔇		Send to Radio			
116	test				
e 🖏 Test Group 2					
	Tamelete appro				
	•	rempilee none			
Radio					
GPS Positioning		Text Message			
🔠 Job Ticketing					
Route Management		•			
🖂 Text Messages 🚺 👘		🕮 Playback 🔚 Save 📕 Pause 🍼 Clean 🧐 Reload 📑 Grouping 🍟			
-		Date  V Con Sen Reci Message Note			
Reports and Statistics		X*         24.03.2014         15:00:00         Radi         All         The Control Stati           Sh         24.03.2014         14:42:37         105         All         Reset Onumber of the control stati			
		24.03.2014 14:26:39 105 АШ Stop Одинокии			
Event Log		🔆 24.03.2014 14:20:20 Оди Аll Тhe Одинокий Р			
B Telemetry	Inbox (0)	24.03.2014 14:20:20 105 All Одинокий Работ			
U. reiemetry	Outbox (0)	24.03.2014 14:05:30 Disp All Alarm!			
Radio Allocation		24.03.2014 14:00:00 Radi All The Control Stati			
Allocation	New Message	H4 44 4 Record 1 of 513 + + H 4			

How to send Extended Message template to a radio:

Text Messages (1) View (2)

Select Show Extended Messages option.

Go to Extended Messages tab (3), New message (4).

Select new message template in the list (1):


Simple Extended							
New Message «	Send to Radio	*					
1	Test Label	m					
	Text message						
	Date V C S R Message Note Ext. Note	- -					
	2 11.12.2013 15:31:31 IP Di 45 Dispatcher '						
	11.12.2013 15:31:13 IP Di 45 Dispatcher '						
	11.12.2013 15:30:55 IP Di 45 Dispatcher '						
Inbox (0)	11.12.2013 15:00:00 R All The Control						
	No.         No.         All         The Control           No.         11.12.2013 13:00:00         R         All         The Control						
Outbox (0)	Image: Second						
New Message	H4 44 4 Record 1 of 465 + ++ ++ 4	•					

Select a radio in the dropdown list to send the template (2).

Click **Send to Radio** button to send the template to a radio.

Note: an offline user will receive the message as soon as one gets online

## **Reports and Statistics**

Reports and Statistics tool provides you with various printing forms with monitored radio network activity data:

<u>File V</u> iew <u>M</u> ap <u>T</u> ools <u>H</u> elp	
Reports and Statistics	Queries
Queries Voice Recording Messages for period Common reports Voice Recording Messages for period State of Radios User messages and notes Radio allocation Radio disabling User connection history Telemetry Radio Users by Channel Job ticketing Channe inh status	Интеркон       Itest Group       Itest Group
Radio	
GPS Positioning	
👪 Job Ticketing	3
😥 Route Management	
C Text Messages	
Reports and Statistics	
Event Log	
Telemetry	
Radio Allocation	
Radio Allocation	Licensed to: Neocom Software Ltd

- 1 **Subscriber List**. Available reports groups are displayed in the Subscriber List.
- 2 **Calls Pane**. Radio boxes in minimal mode are displayed in the Calls Pane.
- 3 **Report Window**. Tabs with report generation settings and report previews.

### **Report Types Overview**

TRBOnet Dispatch Software supports the following report types:

- Queries reports for selected time period with information on Voice Recording and Messages for period displayed as event log (non-printed format).
- Common Reports reports for selected time period with information on messages, radios' state, user messages and notes, Radio Allocation data, Radio disabling data, Job Ticketing and Finished routes in printed format.
- Indoor reports reports for selected time period for movement details for Indoor Positioning in printed format.



- GPS reports reports for selected time period with information on subscribers' location and speed in printed format.
- Data export report for selected time period with information on extended notes, generated on Excel or XML formats.

#### **Main Report Parameters**

To generate a report go to Reports and Statistic section and select a report type you want to generate.

When generating a report specify main parameters for a report described below:

Name	Description
Start Date	Date to start the logging
End Date	Date to finish the logging
Call Type	Available call types for the logging in the dropdown list. Click <b>Select All</b> button to receive report results on all available call types or select call types you want to see the report results manually
Radio System	Select <b>All</b> to include all registered radio system data in the report or select radio system in the dropdown list
Members	Dispatchers and /or radios you want to see the report results
Radio ID	Type in radios ID(s) to include selected radios state in the report
Find Text	Type in text to filter the report data. E.g. you can type in Emergency to see report data include Emergency text
Radios	Select radios in the dropdown list to include selected radios data in the report
Dispatcher	Select <b>All</b> to include all dispatchers' data in the report or select dispatcher in the dropdown list
Group	Select <b>All</b> to include all radio groups data in the report or select group in the dropdown list
Logical Group	Select logical group or subgroup to include only data from selected logical groups in the report
Generate Report	Click to see reports results

#### **Specific Report Details**

When generating a report set specific report details:



Name	Included in Report Types	Description
Hide zero length audio message	Voice Recording	Shows audio files with non-zero length only
Message Type	Messages for Period (Queries and Common Reports section) Extended Notes	Select Message types to include in the report: All Messages – all available messages type Text Messages – text messages from Dispatchers to radios and from radios to Dispatchers Telemetry – telemetry messages from radioserver to radios and from Radios to radioserver Registration in radio network – check radio commands from repeaters to radios System Massages – messages about tasks, routes, telemetry statuses, radioserver started/stopped messages, and subscribers' radios configuration. User Messages – messages created with Add Message button. Can be created for all or selected dispatchers and are shown in the Recent Calls\Events tab of dock window.
Print notes	Messages for a period (Common Reports section) State of Radios	Select to enable notes when printing a report
States	State of Radios	Select available radio events in the dropdown list to display selected data in the report.
Print Location	State of Radios	Select to show in the report selected radios coordinates and to allow its displaying on online Google maps.
Find User messages only	User messages and	Select to show only User Messages in the report



Name	Included in Report Types	Description
	notes	
Find Messages with notes only	User messages and notes	Select to show only User Messages with notes in the report.
User	Radio Allocation	Select <b>All</b> to include all radio users' data in the report or select radio users in the dropdown list
Group by	Radio Allocation Extended Notes	Report data can be grouped by radios or by users.
Priority	Job Ticketing	Select Job Tickets priority level to include in the report. Select <b>All</b> to include all priority level for Job Tickets in the report or select priority level in the dropdown list
Status	Job Ticketing	Select Job Tickets statuses to include in the report. Select <b>All</b> to include all statuses for Job Tickets in the report or select status in the dropdown list
Print detailed data	Finished Routes	Select to see a report in the detailed mode
Beacon	Movement Details/Summary	Select connected beacons in the dropdown list to show finished routes foe selected beacons in the report
Min. Interval	Location for period	Minimal Interval to group GPS data





Name	Included in Report Types	Description
Show Street names	Location for Period Telemetry	Select to enable online street view. Select your internet connection type (local or server)
Region	Staying in a region/ Proximity	Select regions to include the data in the report.
Min Stop Time/Stop Borders	Drive Activity Detailed/Summary	Specify Stop Time and Borders and if radio (s) meets requirements, the system fixes selected radio (s) position as stop. E.g. if radio 1 is in a stop borders 100 meters during 50 seconds, it is fixed as a stop in the report.
Show all states	Drive Activity Detailed	Select to show radio drive activity when radio is online and offline.
Automatic correct GPS errors	Drive Activity Detailed/Summary Speed for period	Select the maximum possible speed for your vehicles.
Avg. Interval	Speed for period	Average interval to receive speed data
Speed	Idle Time detailed/Summary	Speed value to detect radios state as idle. In case when speed less than selected value, the system detects radio state as Idle.
Private from	Messages for Period Extended Notes	Available messages for Dispatchers/Radios according to access rights.
Location Parameters	Location for Period	Check parameters to include in the report in the dropdown list. When Show Street Names parameter enabled, select your Internet Access connection (local or server)
Job ID	Change job status	Type in Job ID to include selected job ticket data in the report



## Queries

Reports for selected time period with information on Voice Recording and Messages for period displayed as event log (non-printed format).

- Voice Recording a report on all talk sessions in the system for selected time period. The results are displayed in a grid, which allows Dispatcher to filter and sort data.
- Messages for Period a report on activity of radio subscribers and dispatchers for selected time period. Dispatcher can filter the activity to display in the report by message type. For text messages, Dispatcher can also set an additional filter by message text (special characters are supported). The messages are displayed in a grid, which allows Dispatcher to filter and sort data.

### **Common Reports**

Reports for selected time period with information on messages, radios' state, user messages and notes, Radio Allocation data, Radio disabling data, Job Ticketing and Finished routes in printed format.

- Voice Recording a report on all talk sessions in the system for selected time period. The results are displayed in a grid, which allows Dispatcher to filter and sort data.
- Messages for Period a report on activity of radio subscribers and dispatchers for selected time period. Dispatcher can filter the activity to display in the report according by type of message. Dispatcher can set whether to include notes to the report. For text messages, Dispatcher can also set an additional filter by message text (special characters are supported)
- State of Radios a report on registration of subscribers in the network for selected time period.
- User Messages and Notes a report on user messages and notes in the system selected time period. Dispatcher can filter by text and set to find only notes or messages.
- Radio Allocation a report on Radio Allocation users' activity for selected time period.
- Radio Disabling a report on disabling/enabling radios for a selected time period.
- User Connection History a report on all registered users (administrators and dispatchers) launching TRBOnet Dispatch Console and on connection details;
- **Telemetry** a report on telemetry details;
- Radio Users by Channel a report on radio channel occupancy;
- Job Ticketing a report on job tickets assigned to the subscribers.
- Change Job Status a report on details when job tickets statuses were changed;



• Last Finished Routes - a report on finished routes in the system.

### **Indoor Reports**

Reports for selected time period for movement details for Indoor Positioning in printed format.

- Movement Details a report showing time period any radio was in the beacon signal coverage zone;
- Movement Details Summary a report showing how many times the radio entered any beacon signal coverage zone;
- **Visited Beacons** a report on radios entering beacon(s) signal coverage zone.

### **GPS Reports**

Reports for selected time period with information on subscribers' location and speed in printed format.

- Location for Period a report showing selected radios location data in a time period
- Staying in a Region / Proximity a report showing time period any radio was in the selected map region zone;
- Drive Activity Detailed a report showing all radio (s) events during selected time period
- Drive Activity Summary a report showing total drive and stop time and distance in kilometers for a selected time period
- **Speed for Period** a report showing radio (s) speed for a selected time period
- Idle Time Summary a total report for Idle Time task for a selected radio(s)
- Idle Time Detailed a detailed report for Idle Time task for a selected radio(s)
- Speed inside the geofence zone a report showing radio (s) speed for selected region(s).

### **Data Export**

Report for selected time period with information on extended notes, generated on Excel or XML formats.

 Extended Notes – a report showing extended notes data according to e report filter.



# **Event Log**

**TRBOnet** retains information on all communicational and system events, including:

- Text Messages
- Telemetry
- Talk Sessions
- Registration in a radio network
- System Messages
- User Messages

The **Event Log** tool provides you with an interface for monitoring events recorded in the log:

<u>File View Map Iools Help</u>						
Event Log	Talk Sessions					<b>C</b>
Al Messages Text Messages Inbox Sent	Service inactive	€ Ø ✓ Interce	om 🔩 🤇	Image: Second se		<b>4</b>
	Playback 😹 Save	Pause 🧇 Clean 🗐 I	Reload 📑 Grouping	Y Auto Filter 🧐 Defa	ault Settings	Notes 🙄
Sent commands	Date V	Control Station	Sender	Recipient	Message Note	-
Talk Sessions	18.03.2014 12:50:55	Repeater #1 Slot 1	Unknown radio: 123	Unknown group: 10	Radio Unkno	
Registration in a radio network	17.03.2014 15:37:57	Repeater #1 Slot 2	Dispatcher	Emergency group. 10	Dispatcher 'Di	
System Messages	17.03.2014 15:37:56	Repeater #1 Slot 1	Dispatcher		Broadcast call	
🔒 User messages	17.03.2014 15:37:56	Intercom	Dispatcher		Intercom Call:	
_	13.03.2014 20:04:02	Repeater #1 Slot 1	Unknown radio: 3001	0	Radio 'Linkno	
1	13.03.2014 17:48:58	Repeater #1 Slot 2	Dispatcher	105	Private Call:	
-	13.03.2014 17:21:45	Repeater #1 Slot 1	Unknown radio: 123	0	Radio 'Unkno	
	13.03.2014 17:09:19	Repeater #1 Slot 1	Unknown radio: 123	0	Radio 'Unkno	
	13.03.2014 17:09:08	Repeater #1 Slot 1	Unknown dio: 123	0	Radio 'Unkno	
	13.03.2014 17:07:52	Repeater #1 Slot 2	Unknown adio: 777	Unknown group: 1010	Radio 'Unkno	
	13.03.2014 17:05:39	Repeater #1 Slot 1	Unknown radio: 123	0	Radio 'Unkno	
GPS Positioning	13.03.2014 17:00:02	Repeater #1 Slot 1	Unknown radio: 3001	0	Radio 'Unkno	
0-0	13.03.2014 16:59:52	Repeater #1 Slot 1	Unknown radio: 3001	0	Radio 'Unkno	
Job Ticketing	13.03.2014 16:59:05	Repeater #1 Slot 1	Unknown radio: 1212	0	Radio 'Unkno	
	13.03.2014 16:59:02	Repeater #1 Slot 1	Unknown radio: 1212	0	Radio 'Unkno	
🥂 Route Management	13.03.2014 16:58:55	Repeater #1 Slot 1	Unknown radio: 1212	0	Radio 'Unkno	
	13.03.2014 16:58:04	Repeater #1 Slot 1	Unknown radio: 123	0	Radio 'Unkno	
Contemporary Text Messages	13.03.2014 16:57:30	Repeater #1 Slot 2	Unknown radio: 123	Unknown group: 2	Radio 'Unkno	-
	🔫 4 4 Record 1 of 161	► H+ H+ -	•		· ·	•
Reports and Statistics						
Event Log			2			
Telemetry			<b>j</b> one			
😰 Radio Allocation						

- 1 Navigation Tree. Displays TRBOnet Dispatch Software event types.
- 2 Log Window. Displays events list.
- 3 View Entry panel. Displays details of the log entry Dispatcher select in the log.
- 4 Calls Pane in compact mode. Allows make a voice calls.



## **Voice Recording**

**Note:** Voice Recording option available for Talk Sessions only.

To playback selected call – select the recording you want to playback and click

Playback button.

Audio player window appears:

🔁 Audio player	x
Duration:	00:00
Left:	00:00
Position	00:00
Play [] Pause Stop	📥 Open
Player: High Definition Audio Device	•
Radio 'Unknown radio: 3' calls group 'Unknown group: 777' (00:04)	
1	
	<u>Clear</u>

Open Player dropdown list to select playback device.

Click **Play** button to playback the recording.

Click **Pause** button to make a pause.

Click **Stop** button to finish recording playback.

Click **Open** button to select new audio file to playback.

**Note:** you can playback several recordings. Hold **Ctrl** key and select recordings you want to playback. Then click <sup>Playback</sup> button.

**Save** – Dispatcher can save the recordings.

To save a number of recordings as individual files select recordings you want to

save (use **Ctrl** key) click **Save** button and select **Save Selection as Individual Files**. Then specify a folder on the local PC to save recordings as separated audio files. To save a number of recordings as single file select recordings you want to save

(use **Ctrl** key) click **Save** button and select **Save Selection as Single File**. Then specify a folder on the local PC to save recordings as single audio file.

## **Event Log Controls**

Click Pause button to pause Events log updating

Click <sup>Clean</sup> button to hide Events log records. Click <sup>Sog Reload</sup> to show all log records.

Click **Grouping** button to group log records. Select column you want to group log records by. Drag and drop selected column header in the Grouping field.

Click **Y** Auto Filter button to set filter for log events. You can filter Events by any parameter. E.g. to filter by selected sender select **Sender** column (1) and type in sender name (2) to filter the data:

9	🛛 Playback 📕 Save 🗌	🛿 Pause 🝼 Clean 🏐 I	Reload   🚟 Grouping 「	🌈 Auto Filter 🗇 Default Settings 📔	Show Notes 🧾 Add Note 🛛 🐥
	Date 🗸 🗸	Sender 🛛	Recipient	Message	Note
		Dispatcher			
<b>e</b>	24.03.2014 14:18:00	Dispatcher	105	test	
	24.03.2014 14:05:30	Dispatcher	All	Alarm!	
đ	24.03.2014 14:05:30	Dispatcher	All	Alarm!	
<u>e</u>	24.03.2014 14:05:14	Dispatcher	Department 1	Alarm	
<u>e</u>	24.03.2014 13:59:44	Dispatcher	105	test message	

Click Of Default Settings button to apply default settings to all log records.

Click Show Notes button to enable **Note** column. All notes added by Administrator and Dispatchers are shown in the Notes column. So, you can mark events to find it by notes.

Click Add Note button to add a note for selected recording and\or event. The note will be displayed in the Events log if **Show Notes** mode enabled.

Click Add Message button to add message for Dispatchers in the Events log.

Add user message	0		<b>— X</b>
Recipient:	Dispatcher		•
Severity:	Alarm	•	_
Message:	test		<u> </u>
			<b>.</b>
	,	ОК	Cancel



- Recipient select All if you want all Dispatchers to see the message
- Severity select severity level to inform Dispatchers about message severity.

Type in message text. Selected Dispatcher or all Dispatchers registered in the system will see the message in the Recent Calls \ Events tab.

### **All Messages**

#### **Text Messages**

Dispatcher can monitor all text messages in the system. Select **Text Messages** in the navigation tree to view inbox and sent text messages log:

<u>File View Map Tools H</u> elp	
Event Log	Text Messages
All Messages Text Messages Sent S	Service inactive       €] Intercom       €]        fremen       Image: Compartment #1       Image: Compartment #1
Image: Second system         Image: Second system         Image: Second system         Image: Second system         Image: Text Messages	
Reports and Statistics       Event Log       Telemetry       Image: Telemetry       Image: Telemetry	None

The following Text Messages details are represented in the Event log:

- inbox text messages.
- Date and precise time when the message was sent or received
- Text Message Sender
- Text Message Recipient
- Message text.

Go to Event Log Controls section to manage event log items.

#### Inbox Text Messages

In case you want to see only received Text Messages, select **Inbox** in the navigation tree:



<u>File V</u> iew <u>M</u> ap <u>T</u> ools <u>H</u> elp							
Event Log	Text Messages: In	ıbox					<b>S</b>
All Messages	Service inactive		✓ Intercom Base	€ Ø Image: I	• • •	Department #1	*) • Ø
Call Sent Content y Content y	Playback         Save           Date         24.03.2014           14:05:30         24.03.2014	II Pause ♂ Cle ∇ Sender Dispatcher	an 🚱 Reload   🐺 C Recipient All	irouping 🍟 Auto Filter 🗇 Defau Message Alarm!	JIt Settings   🧾 Show I	Note Add Note	G Add Message
Radio GPS Positioning							
bob Ticketing Route Management	/						
Text Messages      Reports and Statistics	Record 1 of 1						Þ
Event Log	Sender: Recipient:	Dispatcher All				ſ	Date: 24.03.2014 14:05:30
Telemetry     Image: Barrier Strength	Alarm!						

- Date and precise time when the message was received
- Text Message Sender
- Text Message Recipient
- Message text.

Go to Event Log Controls section to manage event log items.

### Sent Text Messages

In case you want to see only sent Text Messages, select **Sent** in the navigation tree:



<u>File View Map Tools H</u> elp	
Event Log	Text Messages: Sent
Al Messages	Intercom       Intercom         Inter
Talk Sessions	24.03.2014         1418:00         Dispatcher         105         test
Registration in a radio network	2 24 03 2014 14/05:30 Dispatcher All Alarm
	240.3.20113:59:44 Dispatcher 105 test message
Radio GPS Positioning Sob Ticketing Route Management Text Messages	
😪 Reports and Statistics 🛛 🖌	
📔 Event Log	Sender:         Dispatcher         Date: 24.03.2014 14:18:00           Recipient:         105         Image: Add Note
Telemetry	test
🔝 Radio Allocation	

- text message successfully delivered; > text message is not delivered (radio offline or out of radioserver coverage area)
- Date and precise time when the message was sent
- Text Message Sender
- Text Message Recipient
- Message text.

Go to Event Log Controls section to manage event log items.

#### Telemetry

Dispatcher can monitor obtained telemetry signals and sent telemetry commands. Select Telemetry in the navigation tree to see telemetry log:



<u>F</u> ile <u>V</u> iew <u>M</u> ap <u>T</u> ools <u>H</u> elp				
Event Log	Telemetry			<b>G</b>
All Messages Text Messages Inbox Sent Claimed signal	Service inactive     €       ✓ Department #1     •●       ✓ Save     II       Pause     ✓ Clean       Ø     ▼	✓ Intercom     ✓ Department #2     ✓ Department #2     ✓ dead     ✓ Grouping Y Auto Filter     ✓		📮 Add Message 🌱
	*         25.03.2014 16:53:34         105           *         25.03.2014 16:51:33         105           *         25.03.2014 16:41:26         105           *         25.03.2014 16:44:26         105           **         25.03.2014 16:44:26         105           **         25.03.2014 15:47:10         Dispatcher	RadioServer F RadioServer F RadioServer F 105 0	Receive VIO1 Event: High level Receive VIO1 Event: High level Receive VIO1 Event: High level Duery VIO state	
L User messages	24.03.2014 15:43:01 Dispatcher	105 0	Query VIO state	
Radio				
GPS Positioning				
Route Management				
Reports and Statistics	Here A Record 1 of 5 + ++ +H 4			•
Event Log	Sender: Dispatcher Recipient: Dispatcher 1		Dat	e: 25.03.2014 15:47:59
Telemetry				

- Image: Ima
- Date and precise time when the telemetry was sent or received
- Telemetry Sender
- Telemetry Recipient
- Telemetry details.

Go to Event Log Controls section to manage event log items.

#### **Obtained Signals**

In case you want to see only received telemetry signals, select **Obtained signals** in the navigation tree:



<u>F</u> ile <u>V</u> iew <u>M</u> ap <u>T</u> ools <u>H</u> elp		
Event Log	Telemetry: Obtained signals	5
All Messages Text Messages Inbox Sent	⊗ Service inactive         €         ✓ Intercom         €         ✓ fremen         ●) €         Ø           ✓ Department #1         •) €         Ø         ✓ Department #2         •) €         Base         •) €         Ø	
Constant Series	Save       II Pause       Clean       Reload       Encoded       Filter       Default Settings       Show Notes       Add Message         Date       V       Sender       Recipient       Message       Note         25.03.2014 16:53:34       105       RadioServer       Receive VIO1 Event: High level         25.03.2014 16:51:33       105       RadioServer       Receive VIO1 Event: High level         25.03.2014 16:44:26       105       RadioServer       Receive VIO1 Event: High level	* *
Radio		
Job Ticketing		
Route Management		
Reports and Statistics	Image: Market and Soft 3         Image:	•
Event Log	Sender: 105 Date: 25.03.2014 16:4	4:26 <u>Note</u>
Telemetry	Receive VIO1 Event: High level	

- Severity level: 

   information message,
   warning message,
   alarm message
- Date and precise time when the telemetry was sent or received
- Telemetry Sender
- Telemetry Recipient
- Telemetry details.

Go to <u>Event Log Controls</u> section to manage event log items.

#### Sent Commands

In case you want to see only sent telemetry signals, select **Sent Commands** in the navigation tree:



<u>File View Map Tools H</u> elp					
Event Log	Telemetry: Sent c	ommands			<b>S</b>
Al Messages Text Messages Inbox Sent Construction Telemetry Construction Talk Sessions Construction Registration in a radio network System Messages User messages	<ul> <li>Service inactive</li> <li>Department #1</li> <li>Save II Pause </li> <li>Date</li> <li>25.03.2014 15:47:10</li> <li>24.03.2014 15:43:01</li> </ul>	<ul> <li>Inter</li> <li>Inter</li> <li>Inter</li> <li>Inter</li> <li>Inter</li> <li>Inter</li> <li>Reload</li> <li>Sender</li> <li>Dispatcher</li> <li>Dispatcher</li> </ul>	rcom	Firemen     Base     Base     Default Settings     S     Message     Query VIO state     Query VIO state	Note
Radio					
GPS Positioning					
📅 Job Ticketing					
Route Management					
🖂 Text Messages					
Reports and Statistics	Record 1 of 2				·
Event Log	Sender: Recipient:	105 RadioServer			Date: 25.03.2014 16:44:26
1 Telemetry	Receive VIO1 Event: High	h level			
Badio Allocation					

The following telemetry details are represented in the Event log:

- Image: second sec
- Date and precise time when telemetry was sent
- Telemetry Sender
- Telemetry Recipient
- Telemetry details.

Go to **Event Log Controls** section to manage event log items.

#### **Talk Sessions**

Dispatcher can monitor all Talk sessions in the system. Select **Talk Sessions** in the navigation tree to view inbox and sent talk sessions log:



Eile <u>V</u> iew <u>M</u> ap Iools <u>H</u> elp						
Event Log	Talk Sessions				•	
All Messages	Service inactive	€ Ø Interd ■ E Ø Base	com 🛋 🤅 🕻	6 firemen	•)) 4: () Cepartment #1 •)) 4: ()	
Telemetry     Telemetry     Sent commands     Tak Sessions     Tak Sessions     Tak Message	Date         ∇           1         25.03.2014 14:34:24           2         5.03.2014 14:34:21           1         25.03.2014 14:34:18	Control Station Repeater #1 Slot 1 Repeater #1 Slot 2 Repeater #1 Slot 1	Sender Unknown radio: 3 Unknown radio: 3 Unknown radio: 3	Recipient Unknown group: 777 0 Unknown group: 777	Show Notes         Add Note         Add Message           Message         -           Radio Unknown radio: 3' calls group Unknown group: 777         -           Radio Unknown radio: 3' calls group '0 (00:04)         -           Radio Unknown radio: 3' calls group 'Unknown group: 777         -	
User messages	<ul> <li>25.03.2014 14:34:17</li> <li>18.03.2014 12:50:35</li> <li>18.03.2014 12:08:29</li> <li>17.03.2014 15:37:57</li> <li>17.03.2014 15:37:56</li> </ul>	Repeater #1 Slot 1 Repeater #1 Slot 1 Repeater #1 Slot 1 Repeater #1 Slot 2 Repeater #1 Slot 1	Unknown radio: 3 Unknown radio: 123 Unknown radio: 123 Dispatcher Dispatcher	Unknown group: 777 Unknown group: 10 Unknown group: 10 Emergency group All	Radio Unknown radio: 3' calls group 'Unknown group: 777 Radio Unknown radio: 123' calls group 'Unknown group: 10' Radio Unknown radio: 123' calls group 'Unknown group: 10' Dispatcher 'Dispatcher' calls group 'Emergency group' (01:03) Broadcast call from dispatcher 'Dispatcher' (01:01)	
Radio	<ul> <li>17.03.2014 15:37:56</li> <li>13.03.2014 20:04:02</li> <li>13.03.2014 17:48:58</li> </ul>	Intercom Repeater #1 Slot 1 Repeater #1 Slot 2	Dispatcher Unknown radio: 3001 Dispatcher	All 0 105	Intercom Call: Dispatcher 'Dispatcher' calls all dispatchers ( Radio 'Unknown radio: 3001' calls group '0' (00:03) Private Call: Dispatcher 'Dispatcher' calls the radio '105' (00	
GPS Positioning	<ul> <li>13.03.2014 17:21:45</li> <li>13.03.2014 17:09:19</li> </ul>	Repeater #1 Slot 1 Repeater #1 Slot 1	Unknown radio: 123 Unknown radio: 123	0	Radio 'Unknown radio: 123' calls group '0' (00:06) Radio 'Unknown radio: 123' calls group '0' (00:07)	
📅 Job Ticketing	<ul> <li>13.03.2014 17:09:08</li> <li>13.03.2014 17:07:52</li> <li>13.03.2014 17:07:52</li> </ul>	Repeater #1 Slot 1 Repeater #1 Slot 2	Unknown radio: 123 Unknown radio: 777	0 Unknown group: 1010	Radio 'Unknown radio: 123' calls group '0' (00:09) Radio 'Unknown radio: 777' calls group 'Unknown group: 10	
💓 Route Management	<ul> <li>13.03.2014 17:05:39</li> <li>13.03.2014 17:00:02</li> <li>13.03.2014 16:59:52</li> </ul>	Repeater #1 Slot 1 Repeater #1 Slot 1 Repeater #1 Slot 1	Unknown radio: 3001	0	Radio Unknown radio: 125 cais group 0 (00:05) Radio 'Unknown radio: 3001' calls group 0' (00:08) Padio 'Unknown radio: 3001' calls group 0' (00:08)	
C Text Messages	13.03.2014 16:59:05	Repeater #1Slot 1	Unknown radio: 1212	0	Radio 'Unknown radio: 1212' calls group '0' (00:03)	
Reports and Statistics	Sender:	Unknown radio: 3			Date: 25.03.2014 14:34:24	
Event Log Telemetry	Recipient: Radio 'Unknown radio: 3' ca	Unknown group: 777 Ills group 'Unknown group:	777' (00:03)		🕲 Playback 🚽 Save 🥅 Add Note	
😰 Radio Allocation						

The following Talk Sessions details are represented in the Event log:

- Date and precise time of the Voice Call
- Control Station
- Voice Call Sender
- Voice Call Recipient
- Voice Call duration

Go to Voice Recording section to save and to playback voice call (s).

Go to Event Log Controls section to manage event log items.

#### **Registration in Radio Network**

Dispatcher can monitor when any radio was online/offline. Select **Registration in** radio network in the navigation tree:



<u>File V</u> iew <u>M</u> ap <u>T</u> ools <u>H</u> elp	<u>File Yiew Map Iools H</u> elp								
Event Log	Registration in a ra	idio network				<b>S</b>			
All Messages	Service inactive	<ul> <li>Intero</li> <li>Inte</li></ul>	:om • •	firemen	🔊 📧 🖉 Departr	nent #1 🕠 🛋 🥥			
Telemetry	Date Vause V	Clean 🧐 Reload 🔤 ( 7 Sender	Grouping 🍸 Auto Filter 🎯 Message	Default Settings S	how Notes 🧾 Add Note	Add Message 🐥			
Talk Sessions	<ol> <li>24.03.2014 18:45:50</li> <li>24.03.2014 13:47:01</li> </ol>	105 105	Radio Offline Radio Online						
- Minimized Registration in a radio network	<ol> <li>21.03.2014 18:51:19</li> <li>21.03.2014 18:44:47</li> </ol>	105 105	Radio Online Radio Online						
I 👪 User messages	<ul> <li>21.03.2014 16:07:50</li> <li>21.03.2014 16:06:15</li> </ul>	105 105	Radio Online Radio Online						
\ \	<ol> <li>21.03.2014 16:05:16</li> <li>17.03.2014 19:15:58</li> </ol>	105 105	Radio Online Radio Offline						
Radio	<ul> <li>17.03.2014 14:50:16</li> <li>13.03.2014 19:19:05</li> <li>13.03.2014 14:25:16</li> </ul>	105 105	Radio Online Radio Offline Radio Online						
GPS Positioning	<ul> <li>13.03.2014 13:28:28</li> <li>12.03.2014 21:49:01</li> </ul>	105 12	Radio Online Radio Offine						
😼 Job Ticketing	<ol> <li>12.03.2014 19:42:10</li> <li>12.03.2014 18:23:05</li> </ol>	12 105	Radio Online Radio Offline						
💓 Route Management	<ul> <li>12.03.2014 11:07:44</li> <li>11.03.2014 18:22:40</li> </ul>	105 105	Radio Online Radio Offline						
Text Messages	11.03.2014 16:15:56 07.03.2014 18:22:24	105	Radio Offine			-			
Reports and Statistics	144 44 4 Record 6 of 23	► ₩ 4				•			
Event Log	Sender: Recipient:	105 All				Date: 21.03.2014 16:06:15			
Telemetry	Radio Online								
Radio Allocation									

The following radios details are represented in the Event log:

- Date and precise time of Check Radio command
- Check Radio command Sender
- Message (Radio online/offline)

Go to Event Log Controls section to manage event log items.

#### **System Messages**

Dispatcher can monitor when any system messages in the system. Select **System Messages** in the navigation tree:



<u>F</u> ile <u>V</u> iew <u>M</u> ap <u>T</u> ools <u>H</u> elp			
Event Log	System Messages		
All Messages	Service inactive		
→ →     →	Date         V           Q4.03.2014 13:49:22         24.03.2014 13:49:19           Q4.03.2014 13:49:19         24.03.2014 13:49:19           Q4.03.2014 13:49:19         24.03.2014 13:49:19	Policy has been activated: 'Agenda' Policy has been activated: 'Agenda' Telemetry status cannot be recieved from radio: 105 (105) Policy has been activated: 'Одинокий Работник'	Note
User messages	<ul> <li>24.03.2014 13:48:40</li> <li>24.03.2014 13:48:22</li> <li>24.03.2014 13:48:17</li> <li>24.03.2014 13:46:59</li> <li>24.03.2014 13:46:59</li> <li>24.03.2014 13:46:35</li> </ul>	Policy info has been changed: 'Одинокий Работник' Policy has been activated: 'SMS and Email notifications' Policy info has been changed: 'Geofencing' Dispatcher 'Administrator' has requested presence in the ne Task' Задача по расписанию' updated	etwork '
Radio	<ol> <li>24.03.2014 10:59:01</li> <li>21.03.2014 18:51:01</li> </ol>	RadioServer started RadioServer started	
GPS Positioning	<ol> <li>21.03.2014 18:44:17</li> <li>21.03.2014 16:07:32</li> </ol>	RadioServer started RadioServer started	
😼 Job Ticketing	<ul> <li>21.03.2014 16:05:45</li> <li>21.03.2014 16:04:52</li> </ul>	RadioServer started RadioServer started	
Route Management	<ol> <li>21.03.2014 16:04:29</li> <li>18.03.2014 14:11:31</li> <li>18.02.2014 10:28:05</li> </ol>	RadioServer started RadioServer started DedieServer started	
Text Messages	17.03.2014 15:35:01     17.03.2014 15:35:01	Create Route: test 22	
Reports and Statistics	(0. 2) Sender:	PadioServer	Date: 21 02 2014 (c)0462
Event Log	Recipient:	All	Add Note
Telemetry	RadioServer started		
Radio Allocation			

The following system messages are represented in the Event log:

- RadioServer started/stopped
- Any tasks policy was activated/changed
- Telemetry cannot be received from any radio
- Any route was created/updated
- Dispatcher requested radio's presence in the network
- Subscriber radio registration/changing
- New group registration/changing
- Cross Patch enabled/disabled, etc.

The following system messages details are represented in the Event log:

- Severity level: 

   information message,
   warning message,
   alarm message
- Date and precise time of the system message
- Message text

Go to Event Log Controls section to manage event log items.

#### **User Messages**

Dispatcher can monitor when any user messages in the system. Select **User Messages** in the navigation tree:



<u>File View Map Tools H</u> elp							
Event Log	User messages						<b>S</b>
All Messages	Service inactive	•••••••••••••••••••••••••••••••••••••••	Intercom Base	<ul> <li>Image: Image: Image:</li></ul>	•)) ((C))	Department #1	) .
Telemetry     Obtained signals     Sent commands	Save         Pause           Date         25.03.2014 15:47:59	Clean 🧐 Relo ▼ Sender Dispatcher	ad 🔚 Grouping 🍸 Recipient Dispatcher 1	Auto Filter 🏟 Default Settir Message call me	ıgs   🧰 Show Notes 🧱	Add Note Add Note	1essage 🐥
Talk Sessions     Generation in a radio network     System Messages     User messages	<ul> <li>25.03.2014 15:47:41</li> <li>25.03.2014 15:43:03</li> <li>12.03.2014 17:21:04</li> <li>11.03.2014 17:21:04</li> </ul>	Dispatcher Dispatcher Dispatcher	Dispatcher All All	call me test test			
Radio GPS Positioning Sob Ticketing Route Management							
	Image: Market and the second lof 5       Sender: Recipient:       rall me	Dispatcher 1				Date: 25.0;	3.2014 15:47:59
Telemetry							

- Severity level: 

   information message,
   warning message,
   alarm message
- Date and precise time of the user message
- User message Sender
- User message Recipient
- User message text

Go to Event Log Controls section to manage event log items.

# Telemetry

<u>F</u> ile	Viev	v <u>M</u> ap <u>T</u> ools <u>H</u> elp				
Rad	<ul> <li></li> </ul>	Show Navigation	adio Interface			
នេះ		Show Modes	Radio /Events	Extended Messages		
		Configure Control Station Boxes	GPS Positioning			Quick Commands 🛛 🗙 🔺
- 6		Add Radio Interface Page	Job Ticketing	🛛 🖉 🚺 🔽 Intercom		
- 4		Delete Radio Interface Page	Route Management	The channe	a l	📮 tdj
		Saved Audio Files	Text Messages	PTT		Configure
• 7		Large Control Station Boyes	V Event Log	Broadcast Call		TX Passive 🗙
E		Small Control Station Boxes	Reports and Statistics	Department #1		
	≝.		Telemetry 2	Department #1		o: Selected Control Stations
		Show Active Calls Panel	Radio Allocation	PTT		
	$\leq$	Show Quick Commands Panel	Broadcast Call	Emergency gro		Voice Message
	$\leq$	Show TX Passive Panel				Voice Message
_ •	$\checkmark$	Show CrossPatch Panel	Department #2	Base		·
- 1	~	Show Extended Mesages Tab	Free channel	Free channe	4	CrossPatch 🗙
			PTT	PTT		Drag and Drop Control Station
	Rad	io	base	Broadcast Call		here to create new group
	cnc	P	Recent Calls/Events			5
	GPS	Positioning	🕅 Diauthack 🔲 Sawa 🛄 Daurse 🍼 Clea	n 🍘 Palaad 🛛 🌇 Eiltar By Padia 🗐 🚍	Grouping 💙 Auto Filter 🧼 Default Settinge	Show Natar 🗮 Add Nata
308	loh	Ticketing			Glouping Auto Filter Settings	
- 620	500	Treateding	Date V Control Station	PadioServer All	Message The Control Station for this operation is not four	Note
A.	Rou	te Management	27.03.2014 14:00:00	RadioServer All	The Control Station for this operation is not four	nd
			27.03.2014 13:00:00	RadioServer All	The Control Station for this operation is not four	nd
	Tex	t Messages	27.03.2014 12:00:00	RadioServer All	The Control Station for this operation is not four	nd
			🔆 27.03.2014 11:00:00	RadioServer All	The Control Station for this operation is not four	nd
	Rep	orts and Statistics	27.03.2014 10:00:00	RadioServer All	The Control Station for this operation is not four	nd
			X 27.03.2014 9:00:00	RadioServer All	The Control Station for this operation is not four	nd
10	Eve	nt Log	27.03.2014 8:00:00	RadioServer All	The Control Station for this operation is not four	nd
		-	27.03.2014 7:00:00	RadioServer All	The Control Station for this operation is not four	nd
B		metry	27.03.2014 6:00:00	RadioServer All	The Control Station for this operation is not four	nd
	1 Telen	elemetry	The DT DD DD LA F-00-00		The Construct Cherking the Main an analysis is such that	
	Tele	aneuy	27.03.2014 5:00:00	RadioServer All	The Control Station for this operation is not four	nd 💌

To enable Telemetry page go to View, Show Modes (1), Telemetry (2):

On **Telemetry** page dispatcher can monitor events assigned to VIOs. Telemetry page view can be different due to Telemetry task configuration:

<u>File View Map T</u> ools <u>H</u> elp	
Telemetry	Telemetry
g: II 🖿 🔝 % 🌂 🛇	Service inactive
Online Dispatcher	Compartment #2 •0 •€      Compartment
Dispatcher	105 Lindston data
<ul> <li>□ ▼ <sup>4</sup>/<sub>2</sub> test group 1</li> <li>□ ▼ <sup>4</sup>/<sub>2</sub> Firemen</li> </ul>	Update a condition of gauges
✓ ▲ 0         ♥ ♥           ✓ ▲ 105         ♥ ♥           ▲ 116         ♥	Digital Inputs VEO1: ON
Radio	
GPS Positioning	
🐮 Job Ticketing	
💓 Route Management	
Text Messages	
Reports and Statistics	
Event Log	
Telemetry	
Radio Allocation	

Select radio in the navigation tree to see and update VIOs condition.





# Job Ticketing

Job Ticketing feature allows Dispatcher to send commands to the subscriber radios and to receive answers. Dispatcher can compose, assign and cancel the command. Radio subscriber can accept, cancel, execute or complete the command.

<u>File View Map Tools H</u>elp Job Ticketing Job Ticketing 🖬 🗄 🗄 👶 **%** 7 **\***Ø ✓ Intercom Service inactive fire nt #1 🗉 🧥 Online Dispatchers (1) 🙎 Anastasiya Job Ticketing 🔜 Add (F2) 📑 Edit (F4) 🖅 Assign (F5) | 🚍 Grouping 🍸 Auto Filter 🌼 Default Settings | 🖳 Archive (F8) 🥝 Cancel (F9) Firemen Radio Specified End Time Status ID Created By Priority Comment Text 💰 105 9 🔍 🔅 New #A00001 [Medium] test templ... 07.04.2014 13:34:13 Anastasiya Medium 💰 114 Ş 3 🗱 New #A00002 [Medium] по [7 Apr... 07.04.2014 13:34:21 Anastasiya Medium ab 202 9 🗞 🌣 New #A00003 [Medium] test [7 Ap... 07.04.2014 13:34:30 Anastasiva Medium 9 la 205 Ş Monitoring group Police 📙 Radio Record 2 of 3 🕨 🗰 🗰 GPS Positioning ng tasks Status 🚮 Job Ticketing ID Text Radio Start Time End Time Specified End Time Cre... ... Com. 07.04.2014 13:33:52 Assigned #A00000 [Medium] ... 105 Ana... ... 🔊 Route Management Text Messages 🕞 Reports and Statistics Event Log **Telemetry** 🔞 Radio Allocation ₩ 4 4 Record 1 of 1 ► ₩ ₩ 4

To manage Job Tickets go to Job Ticketing page (1):

**Note:** Dispatcher can send Job Ticket to an offline subscriber. He will receive the task as soon as he will be online.

Subscriber can send the answer for the job ticket. Dispatcher will receive one of the four statuses: **In Progress, Completed, Cancelled, Rejected** whereas the subscriber chooses status he wants to send on his radio.



Dispatcher receives the following message:

Message 1 of 1	
Radio 900 2	
Message:	
Subscriber 'Radio 900' accepted the task '#A00000'	
Do not show this message next time	
<< Prev Next >>	Close

All Job Tickets are displayed on **Job Ticketing** page:

<u>F</u> ile <u>V</u> iew <u>M</u> ap <u>T</u> ools <u>H</u> elp							
Job Ticketing	Job Ticketing						<b>S</b>
💼 🗄 🛔 👶 🔗 🍸 😒	Service inactive		Intercom	[	fremen		
🗆 🧟 Online Dispatchers (1)	Department #1		Department	#2	Base		
👷 Anastasiya	Job Ticketing	2 3	4	5	6	7	8
😑 📑 Firemen 📮	📑 Add (F2) 📑 Ec	lit (F4) 🐒 Assign	(F5) 🛛 🚟 Groupin	g 🍸 Auto Fil	ter 🗇 Default Settings 📑	Archive (F8) 🖉 Cand	el (F9)
💰 105 📮 📎	Status	ID T	ext	Radio Sp	pecified End Time	Created By Prior	ity Comment
a 114 📮 🔇	· New	#A00004 [i	Lowj test [7 Apr. 1 High] test [7 Apr	. 07	7.04.2014 14:14:15	Anastasiya Low	
a 202 📮 🔇	30 IVEV	#400003	nigitj test (7 Apr	0,	.04.2014 14.10.20	Anastasiya	
a 205 🔇							
Monitoring group 📮							
Police 🤤 _							
Radio							
	HI II Record 1 o	f2 ▶ ₩ ₩ ◀					Þ
GPS Positioning	Processing tasks:						
Job Ticketing	Status	ID T	ext Radio	Start Time	End Time	Specified End Time	e Cre Com
	→ Assigned	#A00000 [I	Medium] 105			07.04.2014 13:33	:52 Ana
💓 Route Management							
Text Messages							
Reports and Statistics							
Event Log							
1 Telemetry							
Radio Allocation							
	144 44 4 Record 1 o	f1 ▶ ₩ ₩ 4					Þ

Job tickets marked with green are completed. The ones marked with yellow have five minutes to be accomplished before expiration. The orange ones are expired.

In the lower part of the interface you see the Processing Tasks.

Dispatcher can manage Job Tickets using controls in the upper part of Job Ticketing Interface:

- 1 Add. Click to add a new ticket
- 2 Edit. Click to edit an existing ticket



3 – **Assign**. Click to assign a ticket to a radio:

ſ	Assign Job Ticket					
	K Assign J	ob Ticket				
	Radio:					
		<b>∀</b> 🚳 105				
		☐ ▲ 114				
		202				
			OK Cancel			

Dispatcher can search the radio typing radio name in the **Radio** row.

Select radio (s) to assign the ticket.

4 – **Grouping**. Click to group job tickets. Select column you want to group tickets by. Drag and drop selected column header in the Grouping field.

5 – **Auto Filter**. Click to set filter for job tickets. You can filter tickets by any parameter. E.g. to filter by selected radio select **Radio** column and type in radio name to filter the data:

- 6 **Default Settings**. Click to apply default settings to all job tickets.
- 7 Archive. Click to hide job ticket in the new tickets list.
- 8 **Cancel**. Click to cancel job ticket. You can cancel only processing tasks.

Dispatcher can see reports of Job Tickets. Go to **Reports and Statistics** (1) page and select **Common Reports** – **Job Ticketing** (2):



<u>File View Map Tools H</u> elp	
Reports and Statistics	Common reports
Queries	Query parameters Job ticketing
	Job ticketing
Common reports	Select data by period:
	Start Date: 03.03.2014 0:00
Radio allocation	End Date: <maximum date=""></maximum>
Radio disabling	Filter:
Job ticketing	Radio: 105, 114, 202, 205 💌
Indoor reports	Dispatcher: Anastasiya 💌
Movement details	Priority: Low, Medium, High
GPS reports	Status: Accepted, Assigned, Cance 🔻
	Find text:
GPS Positioning	Generate Report
🐮 Job Ticketing	
😥 Route Management	
🖂 Text Messages	
Reports and Statistics	1
Event Log	
1 Telemetry	
😥 Radio Allocation	

Dispatcher can see Job Ticketing Monitoring in a window to monitor all Job Tickets in the system, created by Dispatchers and assigned to Radios. *For more details on Job Ticketing monitoring see* <u>TRBOnet Administration\_Guide</u>, **Tools** section.



# **Route Management**

Route Management feature allows create routs and assign to selected radio subscribers or dispatchers.

To create a route, go to **Route Management** page (1):

File View Map Iools Help					
Route Management	Route Management				<u></u>
g: = 🔚 象 🛠 🏹 😒	🔊 1: Line free 🔹 🦉	Intercom	Image: Image	) 📢 🖉 🗸 Department # 1	•) • Ø
😑 🧟 Online Dispatcher 🔺	Department #2 🜒 ፋ 🧭	Base			
Administrator	🕨 🕹 Start 📑 Create 📑 Edit 📑 🤇	Copy   🛃 Delete   🚟 Groupir	ıg 🍸 Auto Filter 🗇 Default Sett	tings	
😤 Dispatcher	Name	Route			
🖃 🗹 🛃 test group 1 📃 🚍	test 2				
🗉 🗹 🎦 Firemen 🛛 📮		1 2 3			
🥩 📮 🔹 🔍	test 22				
V 💰 105 🔍 🖓		1 2 3			
<ul> <li>116</li> </ul>	testroute	0:00 0:00 0:00			
💰 12 🛛 📮 义 🖕		test 1 test 2 test 3			
Radio					
GP5 Positioning					
Job Ticketing	44 4 Record 1 of 3 + ++ ++ 4				Þ
Route Management	Active Routes				
~	🕨 🔰 Start 📕 Stop 📑 Edit 📑 G	rouping 🍸 Auto Filter 🌼 De	efault Settings		
Contemporary Text Messages	Name	Route			
Reports and Statistics	test 22 105 24.03.2014	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			
Event Log					
Telemetry					
Radio Allocation	H4 44 4 Record 1 of 1 > >> >> +> 4				Þ

For more details on Routes creation see <u>TRBOnet Administration Guide</u>, **Route** *Management* section.

<u>File View Map Iools Help</u>								
Route Management	Route Management							•
🕼 🗄 😹 🛠 🏹 😒	🔊 1: Line free 🛛 📢 🕢	Intercent	:om		firemen		Department #1	
	Department #2	Bace	_					
😑		Udse						
Administrator	🕨 Start 🔜 Create 🌗 Edit 🔜 Copy	📑 🛃 De	lete 🛛 🚟	Grouping 🍸 Auto	o Filter 🍥 Default Sett	ings		
🙎 Dispatcher	Name	Route	12.00	12:00				
😑 🗹 🏪 test group 1 🛛 📮 🔤	test 2	-						
🗆 🗹 🏪 Firemen 🛛 📮		1	2	3				
0 😞 🔍	test 22							
🗹 💰 105 🛛 📮 💟 —		1	2	3				
🔿 116 🔇 🔇	test route							
💰 12 📮 🔇 🖕		test 1	test 2	test 3				
1.1								
Radio								
GPS Positioning								
🔡 Job Ticketing								
	Active Routes							 •••••
Route Management	🗼 Start 📕 Stop 📑 Edit 🚍 Groun	ning 🔽	Auto Filte	er 🎰 Default Settin	205			
C Text Messages	Name	Route		. V Derout Detti	.9.			
	test 22	11:00	12:00	13:00				
Reports and Statistics	105 24.03.2014	1	2	3				
Event Log				•				
1 Telemetry								
Radio Allocation	H4 44 4 Record 1 of 1 > >> >> ++ 4							Þ

#### Created route appears in the route list:

Click **Start** to start the route:

Start Route			×
Name:	New route 1		
Start Date:	03.12.2013		•
Route:	New route 1		•
	,	Create Route	Modify
Radio:	😣 Worker 1		•
Radio Owner:			•
Dispatcher:	Dispatcher 1		•
		ОК	Cancel

- Name specify a name for Active route;
- Start Date select a date to start the route;
- Route select route to start in the dropdown list. Click Create Route button to create new route based on selected route. Click Modify button to modify selected route parameters.
- Radio select Radio to assign the route;
- Radio Owner select User to assign the route. For more details on Users creation <u>TRBOnet Administration Guide</u>, Users section;
- **Dispatcher** select a Dispatcher to monitor the route.



Note: do not select both: Radio and Radio Owner to prevent incorrect route running.

Click **OK** to start a route.

The route appears in the **Active Routes** list:

Eile <u>V</u> iew <u>Map</u> Iools <u>H</u> elp								
Route Management	Route Management							<b>S</b>
g: III 🔢 👶 🚿 🍸 😒	🔉 1: Line free 🔹 🕢	Intercom	1	•0	firemen	•) • Ø	Department #1	•) •• Ø
🗉 🧟 Online Dispatcher 🔼	Department #2 🐠 📧 🖉	Base	_	0 * 0				
😤 Administrator	🕨 🕨 Start 📑 Create 📑 Edit 📑 Copy	📑 Delet	e 📑 Gr	ouping 🍸 Auto	o Filter 🌼 Default Sett	ings		
Զ Dispatcher	Name	Route						
🛛 🗹 🎦 test group 1 📃 🚍	test 2	11:00 1	.2:00 13	3:00 				
🗆 🗹 🏪 Firemen 🛛 📮	h-++ 22	1	2	3				
V 🖶 0 🚓 🗸	test 22							
🗹 💰 105 🛛 📮 💟 —		1	2	3				
🔥 116 🛛 🔇	test route							
💰 12 📮 💐 🖵		test 1 t	test 2 te	est 3				
Radio								
GPS Positioning								
📅 Job Ticketing	H4 44 4 Record 1 of 3 + ++ ++ 4							Þ
Route Management	Active Routes							***************************************
~	🕨 🕨 Start 📕 Stop 📑 Edit 🗮 Group	oing 🍸 Au	to Filter	🧼 Default Settin	igs			
C Text Messages	Name	Route						
Reports and Statistics	test 22 105 24.03.2014	11:00 1 1	2:00 1	3:00 3				
Event Log								
Telemetry								
Radio Allocation	H4 44 4 Record 1 of 1 > >> >> +> 4							Þ

If the point is not served, it becomes red.

Click **Stop** button to replace active route in the Created routes list.

Dispatcher can see reports of finished routes. Go to **Reports and Statistics** (1) page and select **Common Reports** – **Finished Routes** (2):



<u>F</u> ile <u>V</u> iew <u>M</u> ap <u>T</u> ools <u>H</u> elp		
Reports and Statistics	Common reports	6
Finished Routes 2	Service inactive	
Movement details	Department #1 •) • • O Department #2 •) • • Base •) • • • • • • • • • • • • • • • • • •	
GPS reports	Query parameters	
	Finished Routes	
Drive activity detailed	Select data by period:	
Speed for period	Start Date: 24.03.2014 💌	
Idle time summary	End Date: 31.03.2014	
Idle time detailed	Filter:	
Extended Notes	Radio: 0, 105, 113, 114, 115, 116 🔻	
· · · · · · · · · · · · · · · · · · ·	Find text:	
Radio	Dispatcher: Dispatcher, Dispatcher 1	
	Find Text:	
GPS Positioning		
😸 Job Ticketing	Print detailed data	
Route Management	Generate Report	
V Text Messages		
Reports and Statistics	1	
Event Log		
1 Telemetry		
Radio Allocation		



# **Radio Allocation**

Selected radio can be assigned in the system to selected employee registered in the system.

All available radios are disabled and an employee will need to type in username and password to take and enable selected radio. When an employee returns allocated radio it gets disabled again.

File View Map Iools Help				
Radio Allocation	Radio Allocation		S	
g: III 🔐 📽 🗶 🖌 🕲	③ 1: Line free	<b>■</b>	🐠 📢 🖉 Department #1 👘 🐗 🥥	
😑   Online Dispatcher	Department #2 •)) • Base	•)) 🛋 🖉		
Administrator	📑 🛃 Take/Return Radio 📑 Grouping 🍸 Auto Filter	🐵 Default Settings   Select User:   All Users	• ×	
🙎 Dispatcher	Callsign 🛆 Taken by User	Group Vehicle Make	Plate Number Drivers	
🗉 🗹 🚰 test group 1 🛛 📮 💼		base		
🗉 🗹 🐴 Firemen 🛛 📮		firemen		
V 📣 0 🗦 🔍	(a) 115 (b) 114	Department 2		
🗹 💰 105 🗦 💟 —	<ul> <li>● 115</li> </ul>	Emergency group		
116	116	firemen		
ی 12 🕞 😵	l2 12	All		
A	4			
Radio				
GPS Positioning				
🔡 Job Ticketing				
🕡 Route Management				
V Text Messages				
Reports and Statistics				
Event Log	1			
Telemetry				
Radio Allocation	HI II I Record 1 of 7 > > + HI I		Þ	

Go to Radio Allocation page (1) to assign radios to users:

For more details on Routes creation see <u>TRBOnet Administration Guide</u>, **Radio Allocation** section.

Dispatcher can see reports of allocated radios. Go to **Reports and Statistics** (1) page and select **Common Reports – Radio Allocation** (2):

#### Radio Allocation



<u>File View Map Tools H</u> elp				
Reports and Statistics	Common reports			
Queries Voice Recording Messages for period Common reports State of Radios Readio allocation Radio disabiling Dob ticketing Finished Routes	Query parameters       Radio allocation       Select data by period:       Start Date:       12.03.2014 0:00       Filter:       Device:       105			
Indoor reports     Movement details     GPS renorts     GPS renorts	Grouping: Group by: By radios			
GPS Positioning	Generate Report			
Route Management	1			
Reports and Statistics				
Telemetry				
Callo Allocation				



# Web Console User Manual

TRBOnet Web Console is a special on-line application. It is an extension for TRBOnet Dispatch Software which allows the dispatchers to get access to a system using web browser. Web Console is the best solution for carriers, operators and systems with the huge number of users.

This application allows you to monitor your system without any special software installed on your computer. It is also possible to do it from the IPad, Smartphone, etc. All you need is just to specify the address of your system and server.

<b>TRBO</b> ne	et"		

After Web Console launched for the first time, the following window appears:

TRBUnet <sup>™</sup> Build 4.4.0.350	
Web Interface	
Login	Password
1	Connect
	Reocom software

Type in Login (User Name registered in TRBOnet) and your individual password.

## Map

The **Map** interface displays the current GPS location of the subscribers.

<b>TRBOnet</b> <sup>™</sup> Web Console	Send Text:	Gordon Freeman 🗸 Send
Map Reports Messages Abo	ut	admin Logout
Radios         Filter by name       2         Group #1 <ul> <li>Gordon Freeman</li> <li>John Smith</li> <li>John Smith</li> <li>John Smith</li> <li>Group #2</li> <li>Mark D.</li> <li>Group #2</li> <li>Mark D.</li> <li>Fitter by name</li> <li>TRBOnet</li> <li>Fitter Stroup</li> <li>TestGroup</li> <li>Test#1</li> <li>Group #2</li> <li>Fitter Stroup</li> </ul>	Find address 6 7 7 7 7 7 7 7 7 7 7 7 7 7	Region: Detault 8 8 8 8 8 8 8 8 8 8 8 8 8

1 – **Subscriber List** – list of subscribers divided into groups;

Click Olice button to see the subscriber in the center of the map.

Click dutton to see the route of the subscriber. Specify the date and time. You may also optimize route (group all nearest points).

Click

button to request GPS data of the subscriber.

Click 🔯 button to see the subscriber properties.

2 -Filter by name - type in subscriber's name to find in the list;

3 – **Quick text messages**. Type in text message and select the subscriber to send the message;

**Note:** The dot in front of the subscriber reflects the remoteness of the GPS data received by the system. Green means that data is received less than 2 minutes ago. Orange - from 2 up to 5 minutes ago. Red - more than 5 minutes ago. Click the subscriber to see more detailed information (speed of the subscriber and when the last GPS signal was received).

Click the subscriber sign on the map to see its geographical location, its mobility, and current time of the place where the subscriber is used at the moment.

4 - Click this sign to see the list of available maps:





5 – **zoom** – select to zoom the map in or out. User can also use mouse scroll for these actions.

6 – subscriber current state icons:

GPS function

- subscriber-on GPS-off - select to see the on-line subscribers with deactivated GPS function



- subscriber-off GPS-off – select to see the off-line subscribers with deactivated GPS function.

7 – Find address function - select to find any certain place of the map you need:



<b>TRBOnet</b> <sup>™</sup> Web Console Map Reports Messages Abo	Send Text:	Gordon Freeman 👻 Send © admin Logout
Radios Filter by name Group #1 Goup #1 Goup #1 Goup #2 Goup #2 G	Control     E avenue     Canada       5 Avenue, Minitonas, Manitoba, Canada       5 Avenue, Arabita, Santa Isabel I, Residenciales Prados de la Sonora, Guatemala       5 Avenue, Arabita, Santa Isabel J, Residenciales Prados de la Sonora, Guatemala       5 Avenue, Variana I, Micco, Guatemala       5 Avenue, Warrensburg, Warren, New York, 12885, United States of America       5 AVENIDA, Zona 12., Guajitos, Guatemala	t

8 – Regions management.

Click **Add new region** button to save the region you see on the map at the moment;

Click **Delete region** button to delete selected region;

Click **Save region** button to make selected region as default.

Select one of the regions you created in the **Region** line and click **Go to the region** button to see it.

<b>TRB0</b> net™	Web Console	Send Text:	Gordon Freeman 🗸 Send
Map Reports	Messages Abo	ut	admin Logout
Radios Filter by name Group #1 Group #1 Group #2 Group #2		Evenue     Region: Defa       Found addresses     S Avenue, Minitonas, Manitoba, Canada       S Avenue, Martinor, Guatemala       S Avenue, Warrensburg, Warren, New York, 112895, United States of America       S AVENIDA, Zona 12., Guajitos, Guatemala	ault • * + • • • • • • • • • • • • • • • • •

**Note:** Default region is activated when you start Web Console. When you launch it for the first time Default region is whole map, but you can change it.


# **Geocoding Type**

Go to Admin tab open Options table:

TRR0not <sup>™</sup>							
	Send Text:	Gordon Freeman 💙 Send					
Map Reports Messages About		admin Logout					
Administrator ⇒ All m?	· · · · ·	6/13/2012 6:46:58 PM					
Administrator  Administrator I don't see the point of a test server that I can't hear the audio	Administrator Administrator 6/9/2012 8:35:00 PM						
WIN7WEB\trbonet  All 'Text messages' are working		1/10/2012 12:13:09 PM					
Mark D. → Dispatcher Работы выполнены	Options 🗙	12/26/2011 4:08:49 PM					
IIS APPPOOL\DefaultAppPool → Mark D. hello	Geocoding type:	12/22/2011 2:44:58 PM					
IIS APPPOOL\DefaultAppPool → Mark D. Hi this is rhea, just want to test this sms features	<ul> <li>Open Street Map</li> <li>Google</li> </ul>	12/21/2011 7:05:07 AM					
TRBOnet777\Ivan Mikheev⇒ Mark D. hello	Show text messages on map	12/20/2011 4:45:30 PM					
IIS APPPOOL\DefaultAppPool > TRBOnet test from access comm.	Update timeout(seconds): 15	12/7/2011 7:39:12 PM					
IIS APPPOOL\DefaultAppPool > TRBOnet test		12/7/2011 5:57:36 PM					
IIS APPPOOL\DefaultAppPool → Akira Yamaoka Test from Costa Rica		12/7/2011 2:43:40 AM					

- Geocoding type- select the geocoding source to use with Web Console (to get the coordinates from);
- Show text messages on map select to see text message interface on the map;
- Update timeout (seconds) select time period to update coordinates of the subscriber.

# **Reports**

Go to **Reports** tab to generate detailed reports concerning subscribers, to print and export those reports:



#### Web Console User Manual

<b>TRBO</b> net <sup>™</sup> wet	o Console	Send Text:	Gordon Freeman 💌 Send
Map Reports Mes	sages About		admin Logout
GPS Reports     Docation for Period     Dorive Activity Detailed     Dorive Activity Detailed	Location for Period: Select data by period: Start Date: 9/15 End Date: 9/26 Filter: Radio: All Min.Interval: 0 Generate Report	od (2012 2:36 PM ♀ (2012 2:36 PM ♀ Seconds ♥ how name of streets (Reduces speed of report generation)	

# **GPS Reports**

GPS Reports show all subscribers' location and activity details.

<b>TRBOnet</b> <sup>™</sup> Well Map Reports Mes	b Console ssages About	Send Text:		Gordon F	Freeman 🔽 Send
<ul> <li>GPS Reports</li> <li>Docation for Period</li> <li>Drive Activity Detailed</li> <li>Staying in a region</li> <li>Idle time detailed</li> <li>Common Reports</li> <li>Messages for Period</li> </ul>	Location for Period Select data by period: Start Date: 1/18/2008 12:34 End Date: 9/21/2012 12:34 Filter: Radio: All Min.Interval: 5  Mir Show name o Generate Report	PM v PM v nutes v f streets (Reduces speed of	report generation)	Tmage 🔽	
	Location for Period from 1/18/2008 12:34 PM to 9/21/2012 12	2:34 PM			
	12/7/2011 59°56'27.52"N 3 9:05:42 PM 59°56'27.52"N 3 12/7/2011 59°56'27.72"N 3	0°16'47.75"E Unknown 0°16'47.88"E Unknown	12 0.0 15 17.2	0 342	on map

When any GPS report is generated, use Control Panel to save or print it:



<b>TRBOnet</b> <sup>™</sup> we Map Reports Mes	Console Send Tex sages About	dt	Gordon	Freeman 💙 Send
<ul> <li>GPS Reports</li> <li>Cocation for Period</li> <li>Drive Activity Detailed</li> <li>Staying in a region</li> <li>Idle time detailed</li> <li>Common Reports</li> <li>Messages for Period</li> </ul>	Location for Period Select data by period: Start Date: 1/18/2008 12:34 PM End Date: 9/21/2012 12:34 PM Filter: Radio: All Min.Interval: 5 Minutes Show name of streets (Reference of streets) (Refe	educes speed of report gener 6 7 8 of 23 P	ration) 9 10 11 🖍	Control Panel
٠	12/7/2011         59°56'27.52"N         30°16'47.75"           9:05:42 PM         12/7/2011         59°56'27.72"N         30°16'47.88"           12/7/2011         59°56'27.72"N         30°16'47.88"         m	E Unknown 12 E Unknown 15	0.0 0 17.2 342	on map

1 - **Display the search window** - represents a button to invoke the search dialog, allowing the users to search for specific text in a report;

- 2 Print the report click to print the report;
- 3 **Print the current page** click to print only current page;
- 4 **First page** click to go to the first page;
- 5 **Previous page** click to go to the previous page;
- 6 **Page number** click to see current page and go to other page you need;
- 7 Next page click to go to the next page;
- 8 Last page click to go to the last page;
- 9 Export a report and save it to the disk click to download the report;

10 - **Export a report and show it in a new window** - click to open the report in the new window;

11 - Format - select the format to save your report in.

# **Location for Period**

Select to know the location of the subscriber for selected time period. Click **Generate Report** button to generate the report:



<b>TRBOnet</b> <sup>™</sup> Web Map Reports Mess	<b>Console</b> sages About	Send Text:			Gordon F	reeman 🔽 Send
<ul> <li>GPS Reports</li> <li>Location for Period</li> <li>Drive Activity Detailed</li> <li>Staying in a region</li> <li>Idle time detailed</li> <li>Common Reports</li> <li>Messages for Period</li> </ul>	Location for P Select data by perio Start Date: 1 End Date: 2 Filter: Radio: 4 Min.Interval: 5 Generate Report Location for from 1/18/2008 12:34 P 12/7/2011 5 12/7/2011 5	d:         1/18/2008 12:34 PM         9/21/2012 12:34 PM         9/21/2012 12:34 PM         5         Minutes         5         Minutes         Show name of streets (Reduced         Image: Page 23         Preciod         PM to 9/21/2012 12:34 PM         9°56'27.52"N         30°16'47.75"E         9°56'27.72"N         30°16'47.88"E	of 23 Unknown 12	rt generation)	Image 💽 0 342	on map

### Select data by period:

- **Start Date** specify the start date;
- End Date specify the end date.

## Filter:

- **Radio** select the subscriber to generate the report for;
- Min. Interval sets the time interval to get the data (for example to show subscriber's location every 90 seconds). 90 seconds interval is recommended for one day report.
- Show names of streets (reduces speed of report generation) select to see the names of the streets in the report.

## **Drive Activity Detailed**

Select to see subscribers' drive activity for a certain period of time:



<b>TRBOnet</b> <sup>™</sup> well Map Reports Mes	b Console sages About	Send Text:		Gordon Fr	eeman 👻 Sen	d Logout
<ul> <li>GPS Reports</li> <li>Cation for Period</li> <li>Drive Activity Detailed</li> <li>Staying in a region</li> <li>Idle time detailed</li> <li>Common Reports</li> <li>Messages for Period</li> </ul>	Drive Activity Deta Select data by period: Start Date: 7/14/20 End Date: 9/21/20 Filter: Radio: All Min. stop time: 30 Stop borders(m): 100 Generate Report Generate Report Crace Detail from 7/14/2012 12:34 PM to Radio: John Smith Action Drive	112 12:34 PM       Image: Constraint of the second se	End Date           9/18/2012 5:55:26	Pdf V Time interval 1135:16:29	Calculated drive (km) 12114.027	Latitud
•						•

#### Select data by period:

- **Start Date** specify the start date;
- End Date specify the end date.

#### Filter:

- **Radio** select the subscriber to generate the report for;
- Min. stop time sets the minimum time interval considered to be a stop;
- Stop borders (m) sets the zone as stop borders;
- Show all states select to see all the states of the subscriber in the report.

## **Staying in a Region**

Select to know how long the subscriber was in a certain region:



<b>TRBO</b> net <sup>™</sup> we	b Console	Send Text:	Gordon Freeman V Sen	d
Map Reports Me	ssages About	-ALYE	admin 🗘	Logout
GPS Reports  GPS Reports  Drive Activity Detailed  Staying in a region  Common Reports  Messages for Period	Staying in a region         Select data by period:         Start Date:       9/14/2012 5:52         End Date:       9/21/2012 5:52         Filter:       Radio:         Radio:       All         Region:       All regions	PM V PM V V		
	Generate Report  Generate Report  Generate Report  Generate Report  Generate Report  California  Region: California  Radio: John Smith  Entering the region  9/18/2012 5:55:21 PM  9/18/2012 5:55:26 PM	ge 1 v of 1 v California 2 PM Leaving the region 9/18/2012 5:55:23 PM 9/21/2012 5:52:23 PM	B         Pdf           Staying in the region           00:00:02           71:56:56	

### Select data by period:

- **Start Date** specify the start date;
- End Date specify the end date.

## Filter:

- **Radio** select the subscriber to generate the report for;
- **Region** select the region to generate the report for.

## **Idle Time Detailed**

Select to know how long the subscriber was inactive:



<b>TRBO</b> net <sup>™</sup> wet	b Console Send Text: Gordon Freeman 🗸 Send	
Map Reports Mes	sages About © admin Lo	gout
GPS Reports	Idle time detailed	
Decador for Period      Drive Activity Detailed      Staying in a region      Default time detailed      Common Reports      Messages for Period	Select data by period:         Start Date:       6/14/2012 5:52 PM         End Date:       9/21/2012 5:52 PM         Filter:       Radio:         Radio:       All         Speed(km/h):       5         Generate Report         Idle time detailed         from 6/14/2012 5:52 PM to 9/21/2012 5:52 PM         Idle speed = 5 km/h         Radio: Mr. Bean	
•	III	4

### Select data by period:

- **Start Date** specify the start date;
- **End Date** specify the end date.

### Filter:

- **Radio** select the subscriber to generate the report for;
- **Speed(km/h)** select the lowest speed level starting idle time regime.

# **Common Reports**

Common reports are the reports to show the message details for a certain period of time.

#### **Messages for Period**

Select to see the subscriber messages for a certain period of time:



<b>TRBOnet</b> <sup>™</sup> well	b Console	Send Text.	Gordor	n Freeman ▼ Send © admin Logout
<ul> <li>GPS Reports</li> <li>Location for Period</li> <li>Drive Activity Detailed</li> <li>Staying in a region</li> <li>Idle time detailed</li> <li>Common Reports</li> <li>Messages for Period</li> </ul>	Messages for Period         Select data by period:         Start Date:       9/17/2012 6:29 PM         End Date:       9/24/2012 6:29 PM         Filter:       Message type:         Message type:       All Messages         Find text:       Generate Report			
	Date         Master R           9/21/2012 11:05:23 PM         9/21/2012 6:05:17 PM           9/21/2012 6:05:17 PM         9/21/2012 5:38:44 PM           9/21/2012 5:38:44 PM         9/91/2012 5:55:38 PM           9/18/2012 5:55:26 PM         9/18/2012 5:55:26 PM           9/18/2012 5:55:26 PM         9/18/2012 5:55:66 PM           9/18/2012 5:55:66 PM         9/18/2012 5:56:56 PM	adio Sender Geofencing RadioServer KadioServer Lone Worker Geofencing RadioServer Administrator Administrator	Recipient Al Al Al Al Al Al Al Al Al Al	Comment

## Select data by period:

- **Start Date** specify the start date;
- **End Date** specify the end date.

## Filter:

- **Radio** select the subscriber to generate the report for;
- **Find Text** specify the text symbols you want to find if necessary.

Click **Save as PDF** button to save the report in \*pdf format:



<b>TRBOnet</b> <sup>™</sup> Web Map Reports Mess	o Console sages About	Send Text:		Gordon Freeman 💟 Send
🗊 GPS Reports	Messages for Period	*		
📃 🧊 Location for Period				
<ul> <li>Drive Activity Detailed</li> <li>Staying in a region</li> <li>Idle time detailed</li> </ul>	Select data by period:           Start Date:         9/17/2012 2:           End Date:         9/24/2012 2:	36 PM		
🗊 Common Reports	Filter:			
🝺 Messages for Period	Message type: 🔤 All Messag	jes 💌		
	Generate Report Date  M	aster Radio Sender	Recipient	Comment
	ℜ/9/21/2012 11:05:23 PM			
	🔆 9/21/2012 6:05:17 PM	Geofencing	) All	
	🎾 9/21/2012 6:05:17 PM	RadioServe	r All	
	21/2012 5:38:44 PM	RadioServe	r All	
	2 9/18/2012 10:55:38 PM	Lone Work	er All	
	× 9/18/2012 5:55:27 PM	Geofencing	) All	
	№ 9/18/2012 5:55:26 PM	RadioServe	r All	
	2 9/18/2012 5:54:11 PM	Administrat	or All	
	№ 9/18/2012 5:45:55 PM	Administrat	or All	
	2 9/18/2012 5:45:51 PM	Administrat	or All	
	Save as PDF	, commercial	p 10	

# Messages

Select to send and receive messages from the subscribers:

TRROpot	м	. 4/1		
Indunet	Web Cons	ole	Send Text:	Gordon Freeman 👻 Send
Map Reports	Messages	About		admin Logout
Administrator → All m?				6/13/2012 6:46:58 PM
Administrator -> Administ I don't see the point of a te	t <mark>rator</mark> est server that I ca	n't hear the audio	quality on. :(	6/9/2012 8:35:00 PM
WIN7WEB\trbonet⇒ All 'Text messages' are working	)			1/10/2012 12:13:09 PM
Mark D. → Dispatcher Работы выполнены				12/26/2011 4:08:49 PM
IIS APPPOOL\DefaultApp hello	oPool⇒ Mark D.			12/22/2011 2:44:58 PM
IIS APPPOOL\DefaultApp Hi this is rhea, just want to	Pool⇒ Mark D. test this sms featu	ires		12/21/2011 7:05:07 AM
TRBOnet777\Ivan Mikhe hello	ev⇒ Mark D.			12/20/2011 4:45:30 PM
IIS APPPOOL\DefaultApp test from access comm.	Pool⇒ TRBOnet	:		12/7/2011 7:39:12 PM
IIS APPPOOL\DefaultApp test	Pool⇒ TRBOnet	:		12/7/2011 5:57:36 PM
IIS APPPOOL\DefaultApp Test from Costa Rica	oPool⇒ Akira Yar	naoka		12/7/2011 2:43:40 AM

Type in text in **Send text** field;

Select the subscriber in the dropdown list.

Click **Send** button to send the text message.