

TAVL WEB4

User Manual

V 1.1

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INTRODUCTION

Tavl WEB4 application is a WEB interface, used to connect to AVL server and get the information that devices send to the server.

Tavl WEB4 user manual provides information needed to fully understand and operate Tavl WEB4 application. Here you will find the basic rules of usage as well as interface description.

Note: Some operations or functions can be enabled or disabled for users additionally. If some functionality is missing, please contact Teltonika export manager to enable it.

1 REQUIREMENTS

Tavl WEB4 application is designed for Personal computer with broadband internet connection. Application works best with following latest version of internet browsers:

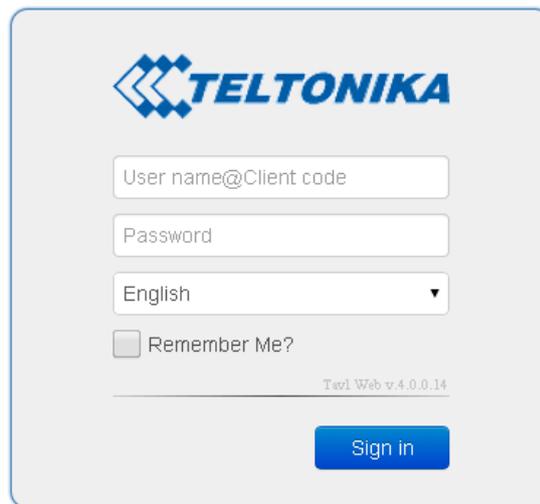
- *Mozilla Firefox*
- *Google Chrome*

2 QUICK START

2.1 Logging in

To access Tavl WEB application enter WEB4 link in your web browsers address field. To get TAVL WEB4 link contact your Teltonika export manager.

When WEB4 loads, enter user name and client code provided by Teltonika export manager in appropriate format (<username>@<clientcode>), enter password in the field below (see Figure 1.). If you are using account with administrator rights enter only username in (<username>@<clientcode>) field and password below.



The login screen features the TELTONIKA logo at the top. Below it are four input fields: a text box for 'User name@Client code', a text box for 'Password', a dropdown menu currently set to 'English', and a checkbox for 'Remember Me?'. At the bottom right is a blue 'Sign in' button. The version number 'Tavl Web v.4.0.0.14' is displayed in small text above the button.

Figure 1. Login screen

Tavl WEB application is available in English, Lithuanian, Russian, German, French, Hungarian, Spanish and Macedonian languages¹.

“Remember Me” check box could be checked to make browser remember your current login session that you won’t need to enter login information next time.

Note: Do not use “Remember Me” option while using public computers.

2.2 Locating object and loading its track

After you are logged in, you will be directed to the first screen with object list. Basic real time speed, GPS signal, GSM signal ignition and battery voltage information is shown in the list. If object list disabled, click on the truck symbol in the toolbar, which is located on the top of the page. (see Figure 2.) Double-click on your preferred object in the list to see its current position on the map with basic information.

¹If you would like to use TAVL WEB4 in any other languages, please contact your Teltonika export manager

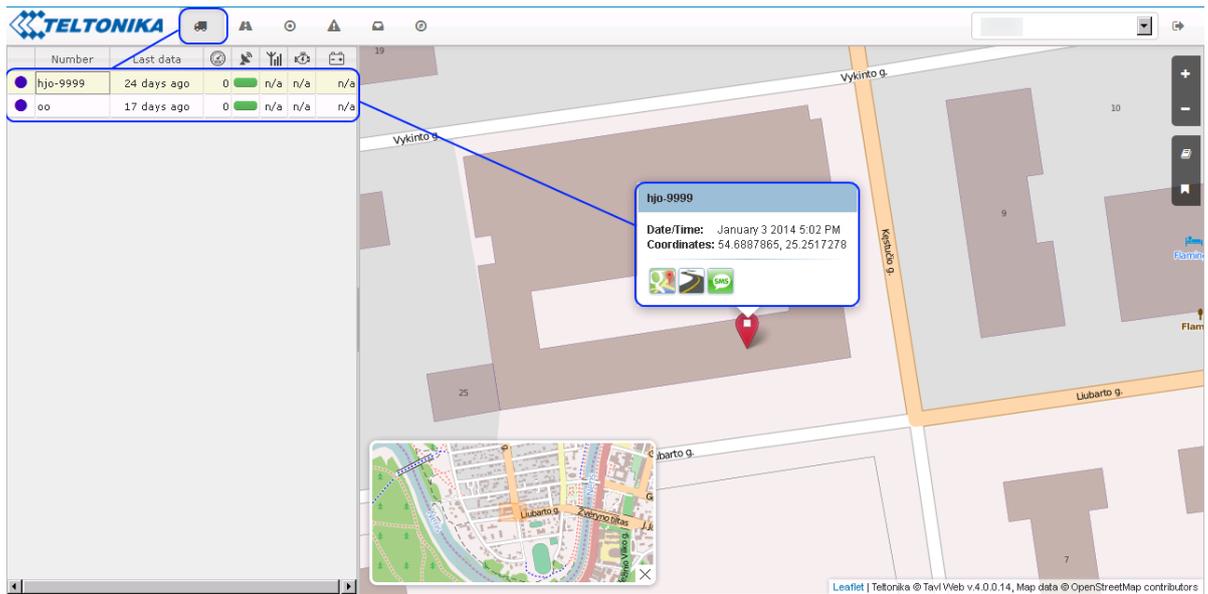


Figure 2. Object selection

You can go to track menu by clicking the road picture in the toolbar or by clicking on the road picture in the basic object information pop-up window. (see Figure 3.) For more detailed information about track management see chapter 4.1 “Track management”.

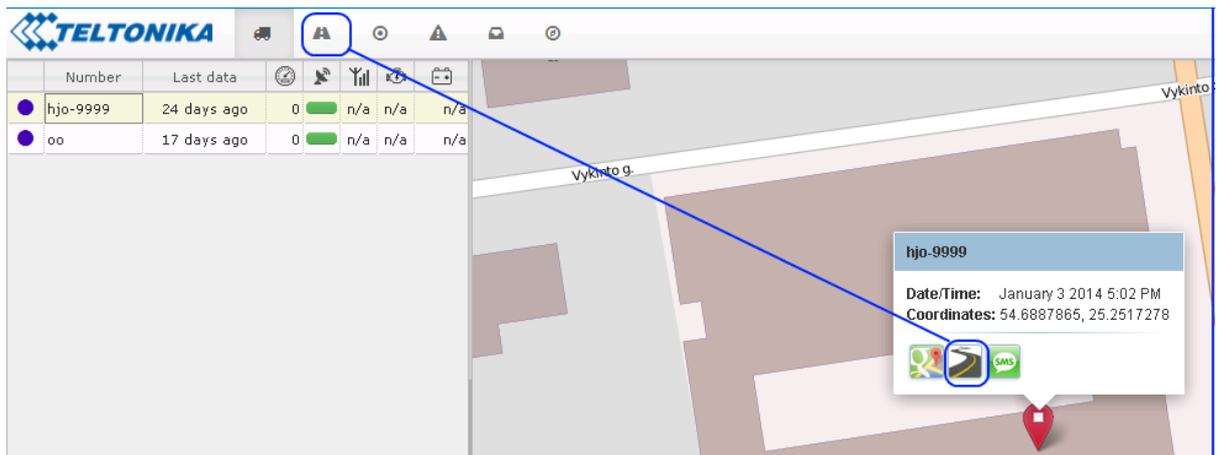


Figure .3 Opening track menu

In the track menu select your object which track you want to see, set the preferred date and click show. Track will be shown on the map (See Figure 4.)

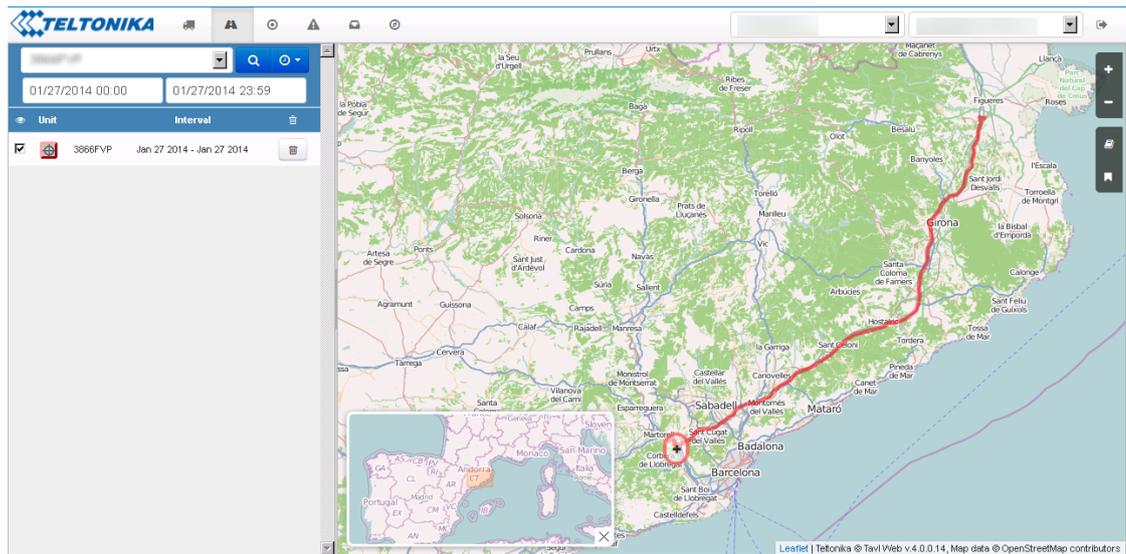


Figure 4. Track

2.3 Logging out

If you are using public computer, be sure to logout from Tavl WEB4 application. You can do that by clicking logout button on the top-right corner in TAVL web window

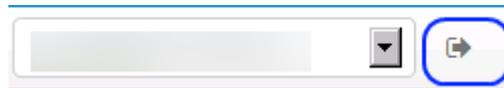


Figure 5. Logout button

3 USER INTERFACE

3.1 User interface structure User interface consists of five basic elements:

1. Toolbar
2. Map controllers
3. Object list
4. Mini map
5. Map

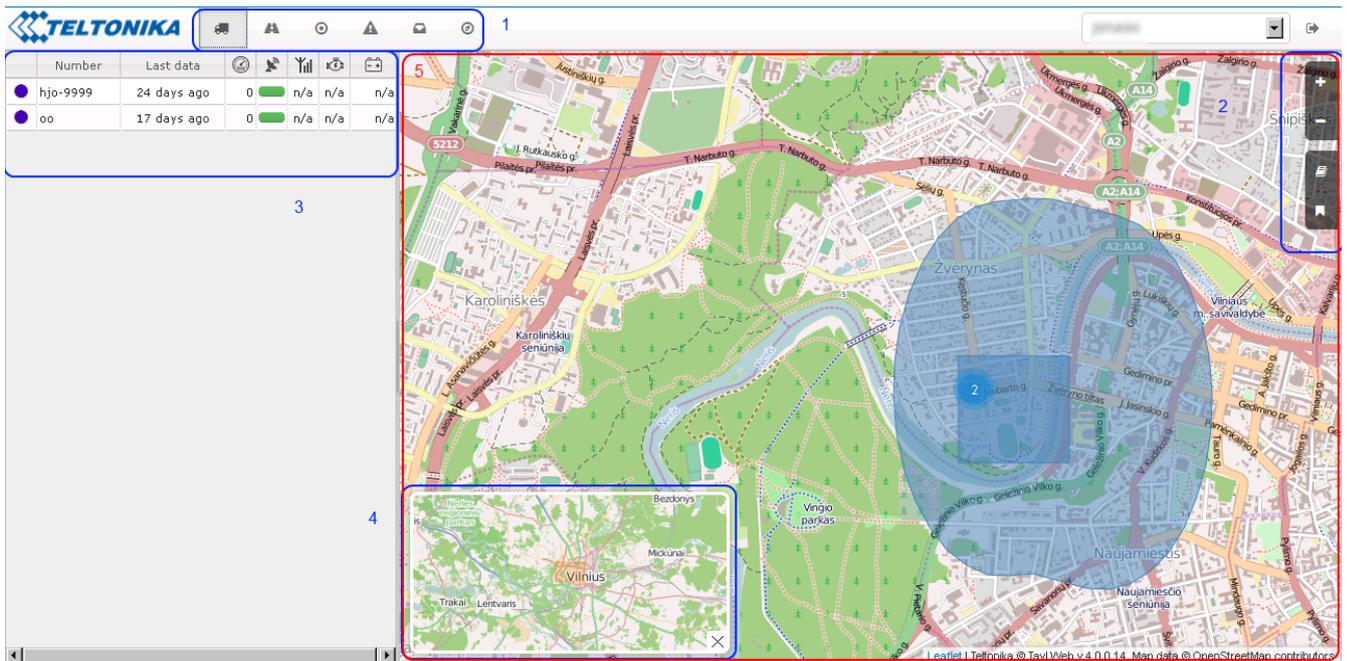


Figure 6. User interface

3.2 Toolbar items

Toolbar item	Description
Units 	Opens Object list window
Track 	Opens Track window properties
Zone data 	Opens Geofence panel
Warning data 	Opens warning panel
SMS window 	Opens messaging panel
Garmins 	Opens Garmin solution controllers

Note that some of toolbar tools are extra features and must be enabled for every user individually. If you are missing any toolbars which could be useful for you, please contact Teltonika export manager.

3.3 Map controllers

To zoom in or zoom out click +/- buttons in map controlling menu.



Figure 6. User interface

To select map layer click "Map layer" button and select your map from maps available.

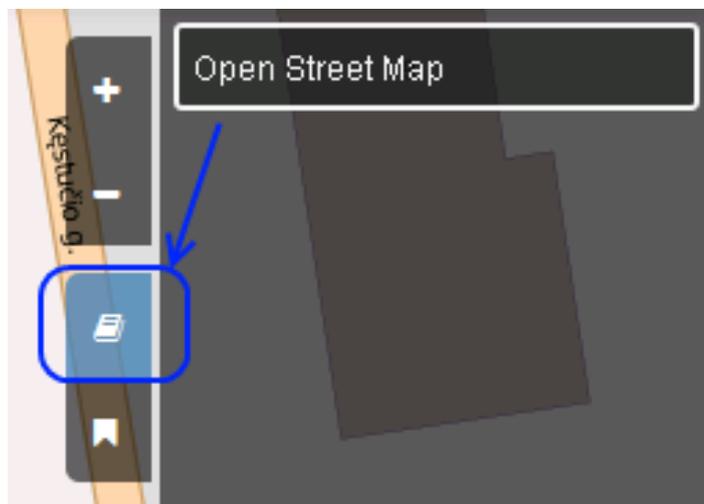


Figure 7. Map selection

To select which information you want to be displayed on the map, click "select visible objects" button, and choose preferred data.

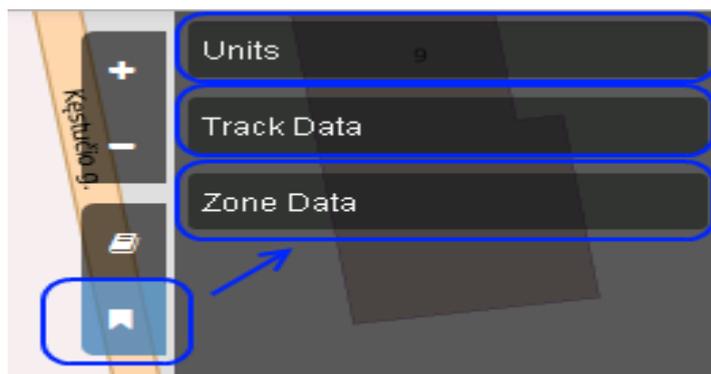


Figure 8. Selection of data displayed on map

3.4 Object list

In object list window you can see your all objects. Vehicle number, last time when data was sent, speed, GPS and GSM signal strength, ignition status and battery voltage information is shown. You can sort your objects by any of these values, to do so click on the feature name or logo, by which you want to sort your objects. Objects can be sorted from smallest or from highest value, to change it just click on the feature one more time (In Figure 9 objects are sorted by speed). If you double click on the object in the list, it will be shown on the map.

	Number	Last data					
	XXXXXXXXXX	n/a	n/a		n/a	n/a	n/a
	XXXXXXXXXX	2 minutes ago	90		n/a	n/a	n/a
	XXXXXXXXXX	2 minutes ago	89		n/a	n/a	n/a
	XXXXXXXXXX	an hour ago	87		n/a	n/a	n/a
	XXXXXXXXXX	3 days ago	78		n/a	n/a	n/a
	XXXXXXXXXX	6 days ago	66		n/a	n/a	n/a
	XXXXXXXXXX	11 minutes ago	7		n/a	n/a	n/a
	XXXXXXXXXX	4 minutes ago	0		n/a	n/a	n/a
	XXXXXXXXXX	5 minutes ago	0		n/a	n/a	n/a
	XXXXXXXXXX	5 minutes ago	0		n/a	n/a	n/a
	XXXXXXXXXX	a minute ago	0		n/a	off	n/a
	XXXXXXXXXX	25 minutes ago	0		n/a	n/a	n/a
	XXXXXXXXXX	35 minutes ago	0		n/a	n/a	n/a

Figure 9. Object list

4 Operations

4.1 Track data management

It is possible to see various objects tracks with different dates on the map at one time. To do so choose your object whose track you want to see, select date or time interval and press show, object track info will appear in the track list and track will be drawn on the map. To add another objects track to the list and to the map, repeat previous steps.

In track list you can choose which tracks to show or hide, focus selected track on map, see object numbers, see date of shown track and remove selected track from the list.

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> 1. Object selection 2. Exact date selection 3. Default time interval selection 4. Show track button 5. Select to show/hide track 6. Focus track on map 7. Object number list | <ol style="list-style-type: none"> 8. Time interval of track shown 9. Remove track from list and map 10. Trip stop place and number 11. Zoom several stops in a close area |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

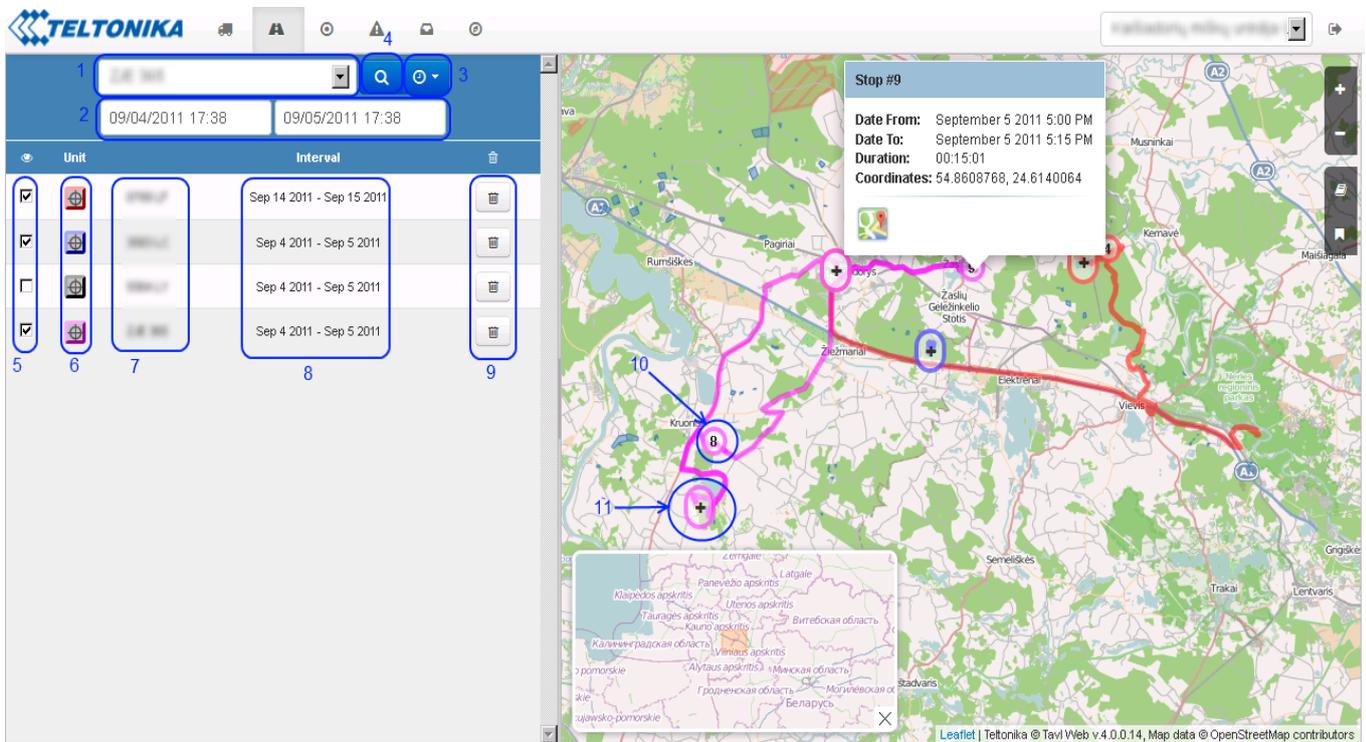


Figure 10. Multiple tracks with trip stops on the map

On the map you can see tracks which you have selected to be shown. All trip stops of shown tracks are displayed on them and are marked by sequence numbers. To get more detailed information about a trip stop click on it on the map and a pop-up with stop time, duration and geographical information will appear. If there are several trip stops in a close area, and they cannot be displayed correctly, area is marked with (+) sign, click on it to zoom this area and see trips stops correctly from a closer range. (see Figure 10)

4.2 Geofencing

Geofencing feature lets user create a virtual zone (GeoZone) on map and get a warning when predefined object leaves and/or enters that zone.

In Geofencing menu you can manage, create and delete geozones:

1. Show/hide zones or groups on map
2. Zones, groups name list
3. Focus selected zone on map
4. Delete zone or group
5. Edit group
6. Add new group
7. Add new zone with selected geometry
8. Delete zones by selecting them on the map

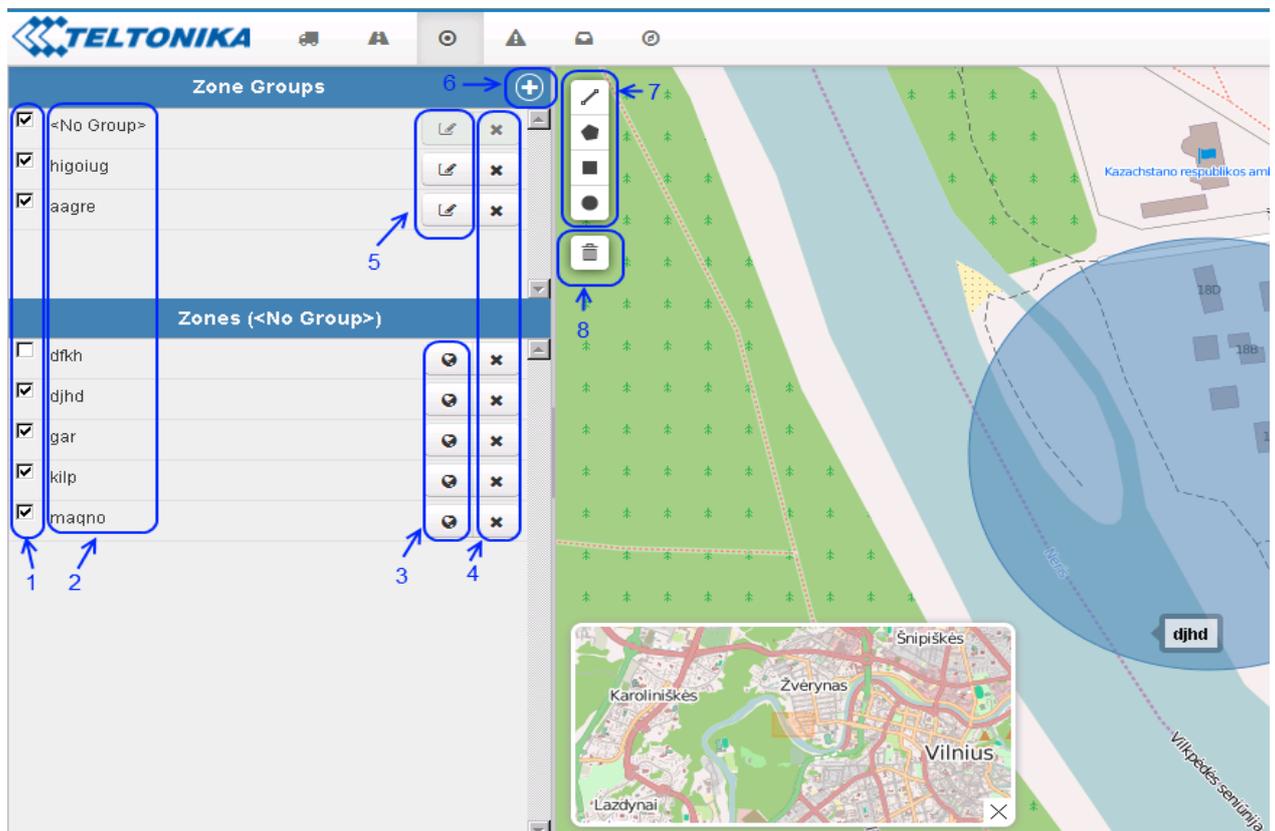


Figure 11. Geofence interface

To create a new group, click “create new group” button, enter Group name, comment and click OK button.

To create a new geozone, firstly select the group name or <no group> which you want your geozone to be attached to. Then choose what geometrical type your geozone should be and click “Create a new zone”, draw a zone on the map, enter your preferred parameters and click OK. (see Figure 1)

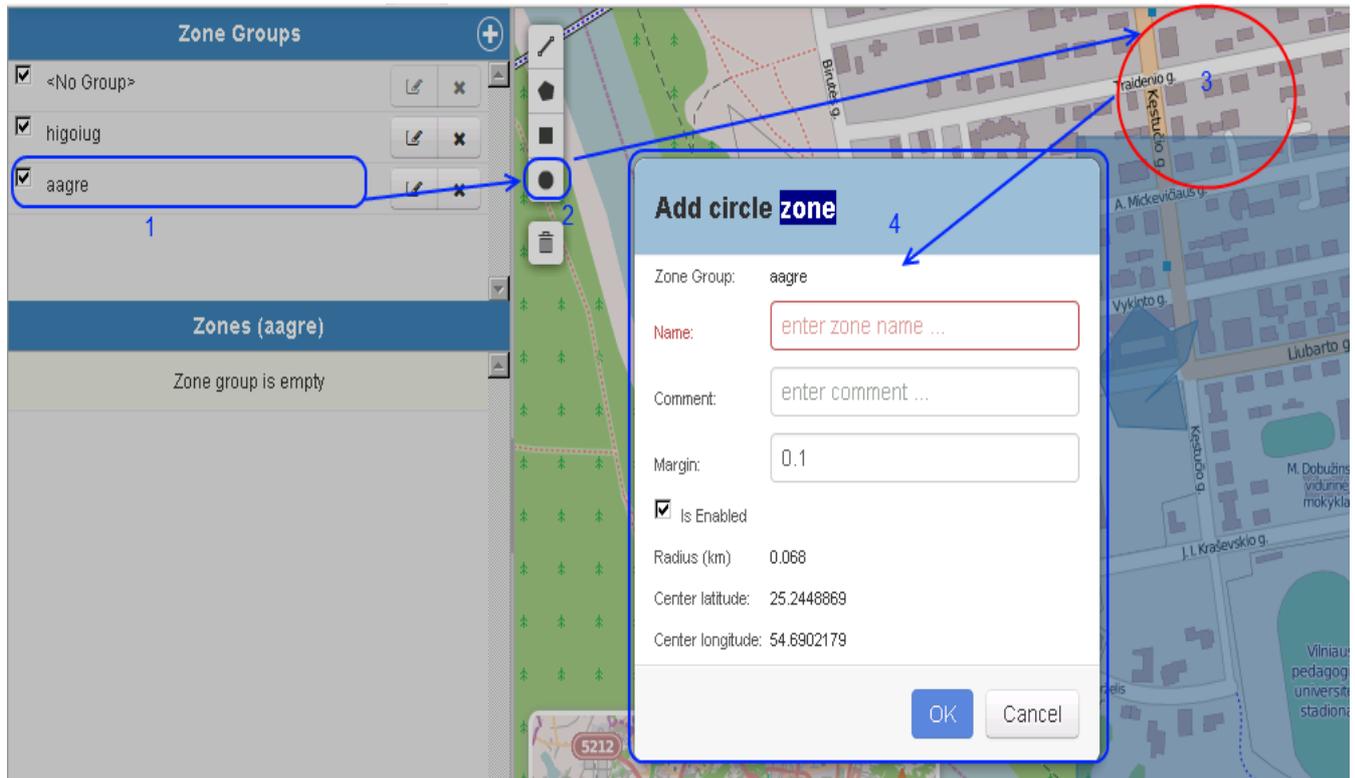


Figure 12. Creation of Geozone

4.3 Warning panel

This feature allows user to see previously emitted warnings. When using this view user has to select time period, there is two possible ways to do that. You can select direct date and time interval in date fields or just select default time interval by clicking clock button and click 'Select'. Warning messages for selected time will appear in the message box. You can select to show the exact location of event on the map, or to get more details of that warning (see Figure 12).

- | | |
|---------------------------------|----------------------------------|
| 1. Time interval selection | 4. Warning event location on map |
| 2. Message list | 5. Warning confirmation |
| 3. Detailed warning information | 6. Event filter |

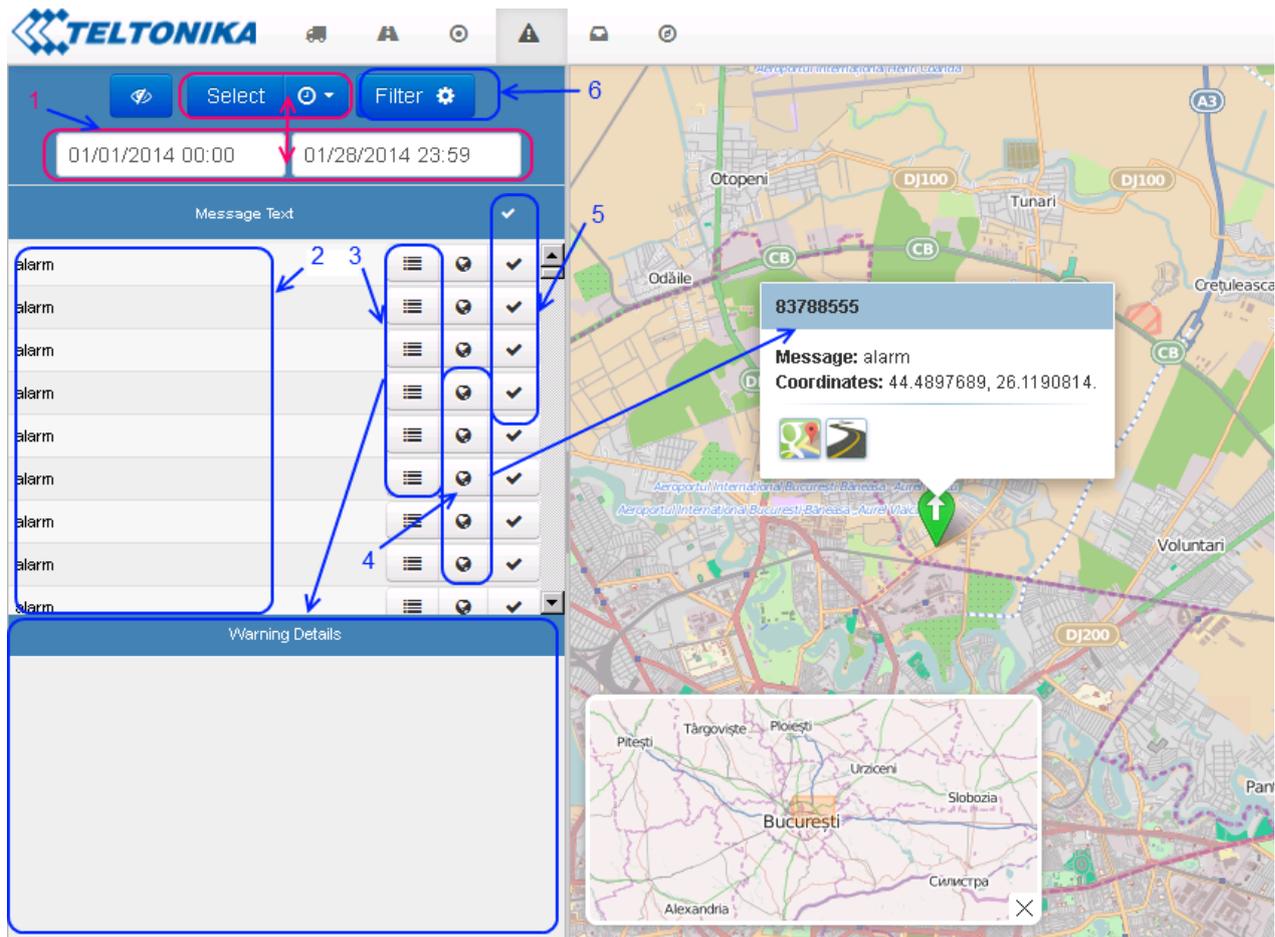


Figure 13. Warning panel

4.4 Messaging

You can use SMS tool to simply and quickly read and send SMS messages to and from drivers. To see the message list firstly check inbox/outbox buttons which messages you would like to see, select time interval of you messages should be displayed and click show button near the date field. You can also choose which information of your messages should be displayed, and search your messages (see Figure 13).

1. Date selection
2. New message composing
3. Select which messages (inbox/outbox) you want to see
4. Filter and search messages

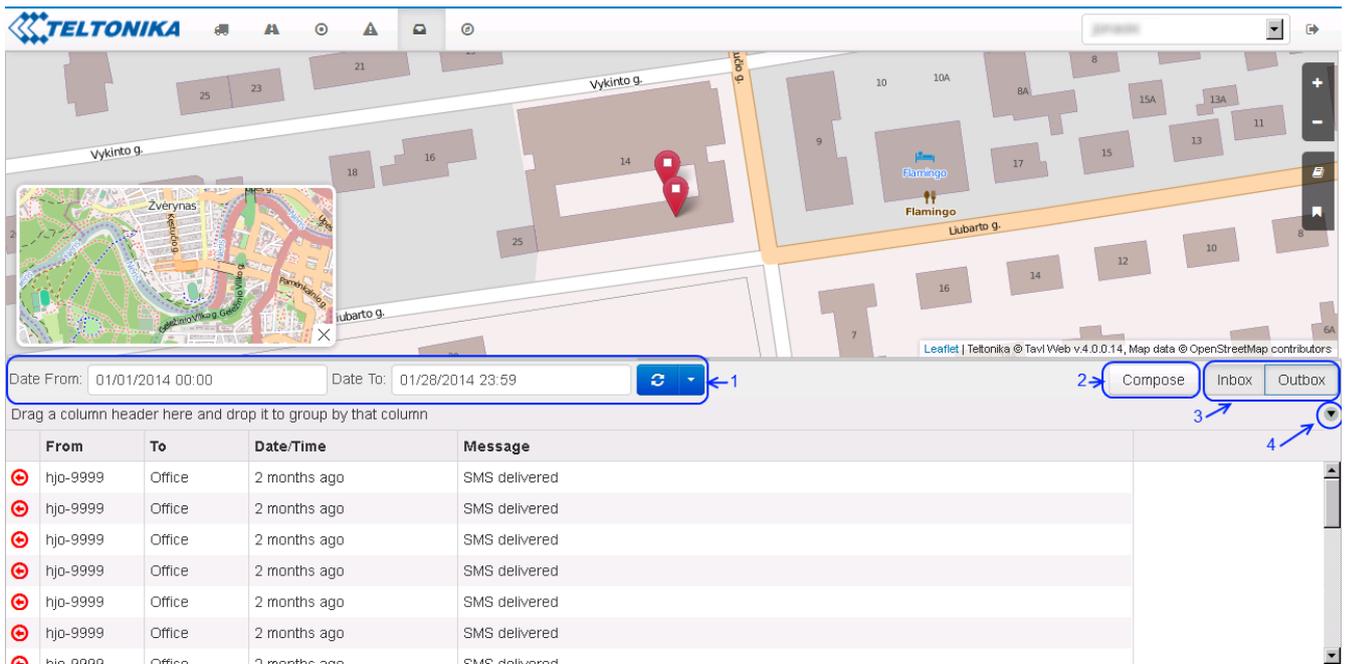


Figure 14. SMS list

To compose a new message, press compose button. In the opened window select the drivers for which you want to send a message (drivers should be created using Teltonika TAVL application, see “TAVL manual v1 4”). You can choose to use your prepared templates or you can write a new text, after that press send button.

To create new templates write your message in text field, click “save” button, in the opened field write a name for your template and click ok, your template will be saved. (See Figure 14).

Note: SMS sending service is charged extra.

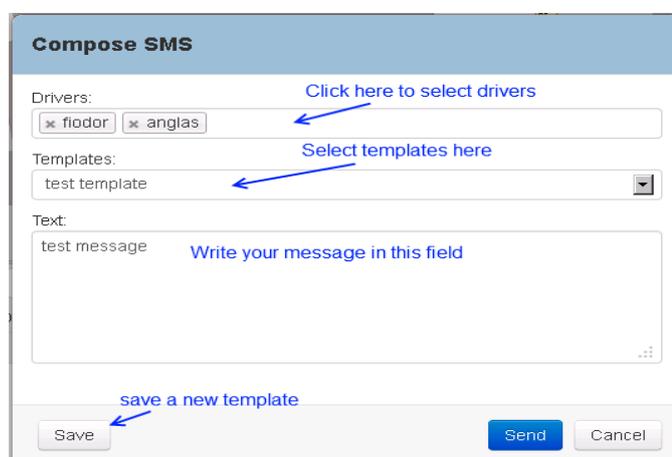


Figure 15. Message compose

4.5 Garmin functionality

This feature lets you communicate with driver via “Garmin” navigation device. In Garmin menu you can send and read messages from Garmin device, request estimated time of arrival (ETA) to current destination point, as well send new destination point to Garmin device.

To get more information about Teltonika devices compatible with Garmin solution and other information about this feature, contact your Teltonika export manager.

1. Object with Garmin device installed list
2. ETA request sending button
3. SMS message sending to Garmin device button
4. Garmin message box

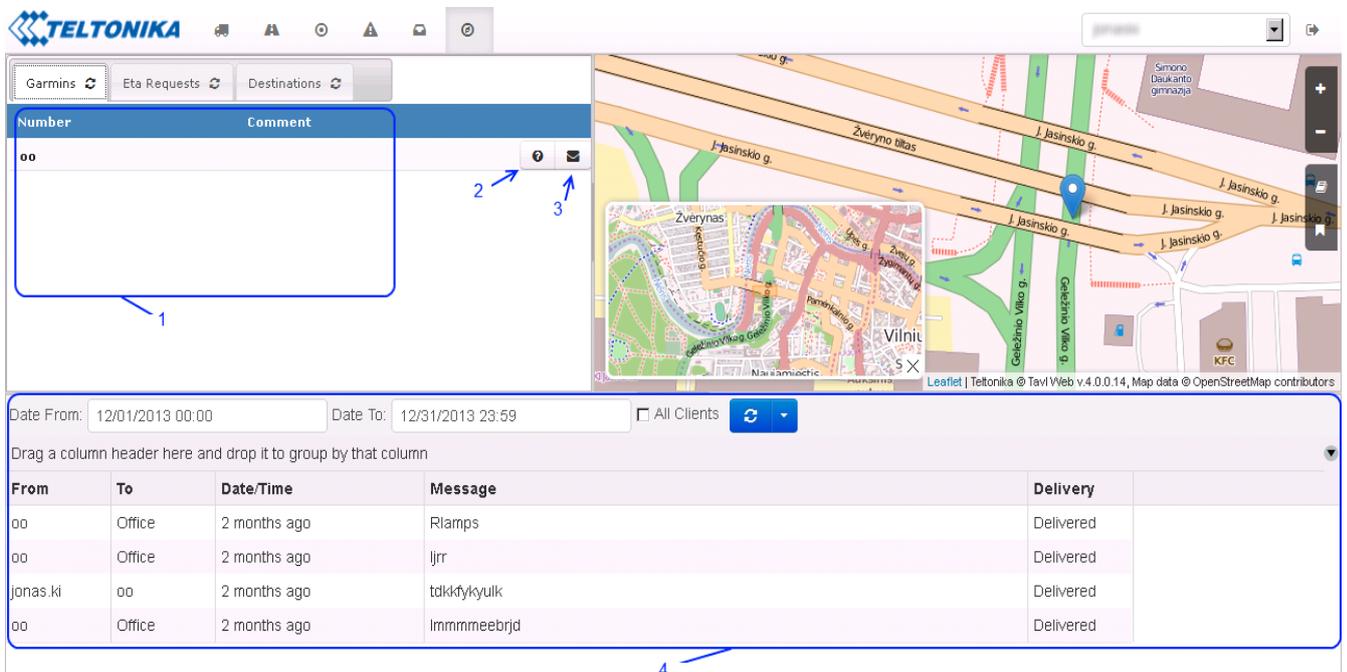


Figure 16. Garmins menu

To send a message to Garmin device click “SMS message sending” button in the object list, message window will appear, type your message and click send.



Figure 17. Garmin message

In ETA request menu you can see exact object location and send ETA requests. You can see object location and ETA information of all devices in “object location and ETA information” list. To see object location on map press “show location on map” button and map will be focused to your object. To send ETA request press “send ETA request” button (see Figure 16)

1. Object location and ETA information list
2. show location on map button
3. send ETA request

Number	Distance	ETA	Longitude	Latitude	Updated	Status
oo	1484	01/02/2014 13:15	25.26233	54.68820	01/02/2014 13:05	Ok

From	To	Date/Time	Message	Delivery
oo	Office	2 months ago	Rlamps	Delivered
oo	Office	2 months ago	ljrr	Delivered
jonas.ki	oo	2 months ago	tdkkfykyulk	Delivered

Figure 18. ETA request menu

In Destination menu, you can plan your vehicles route by adding new destinations or removing them, new destinations can be added to the end of a route or to every other part of the route destinations can also be switched by priorities with each other any time later.

1. Add new destinations to your route
2. Focus destination on map
3. Switch destination priority on route
4. Remove destination from route

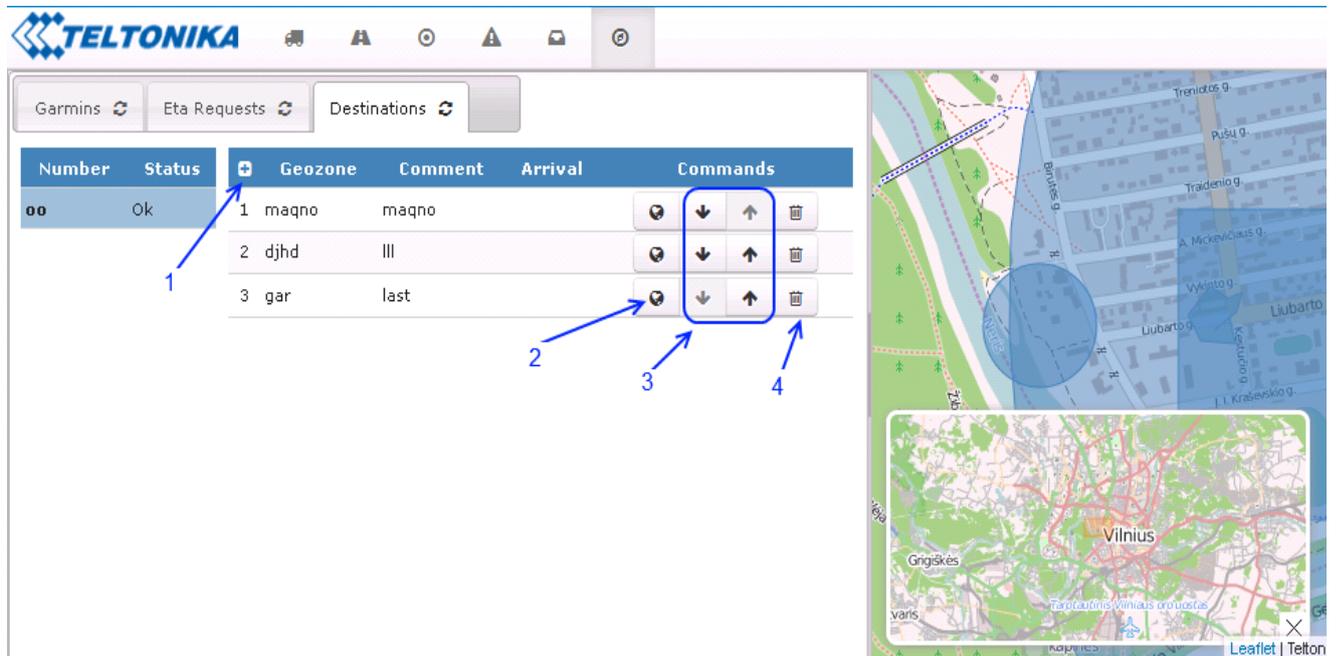


Figure 19. Destination menu.

To add a point to your destination, at first a geozone of that point must be created (see paragraph 4.1). To add a new point to the route, click “Add” (+) button, select a geozone, write short comment of that destination and click save, new geozone will appear in your route, you can change point priority on the route by destination priority switching buttons. Note that geozone would be visible on map it must be enabled in Geofencing menu at first (see paragraph 4.1).

4.6 Routing

With this feature you can simply and fast plan your own route by setting points or switching streets which you need to achieve. From menu bar choose routing like shown in “Figure 20”.

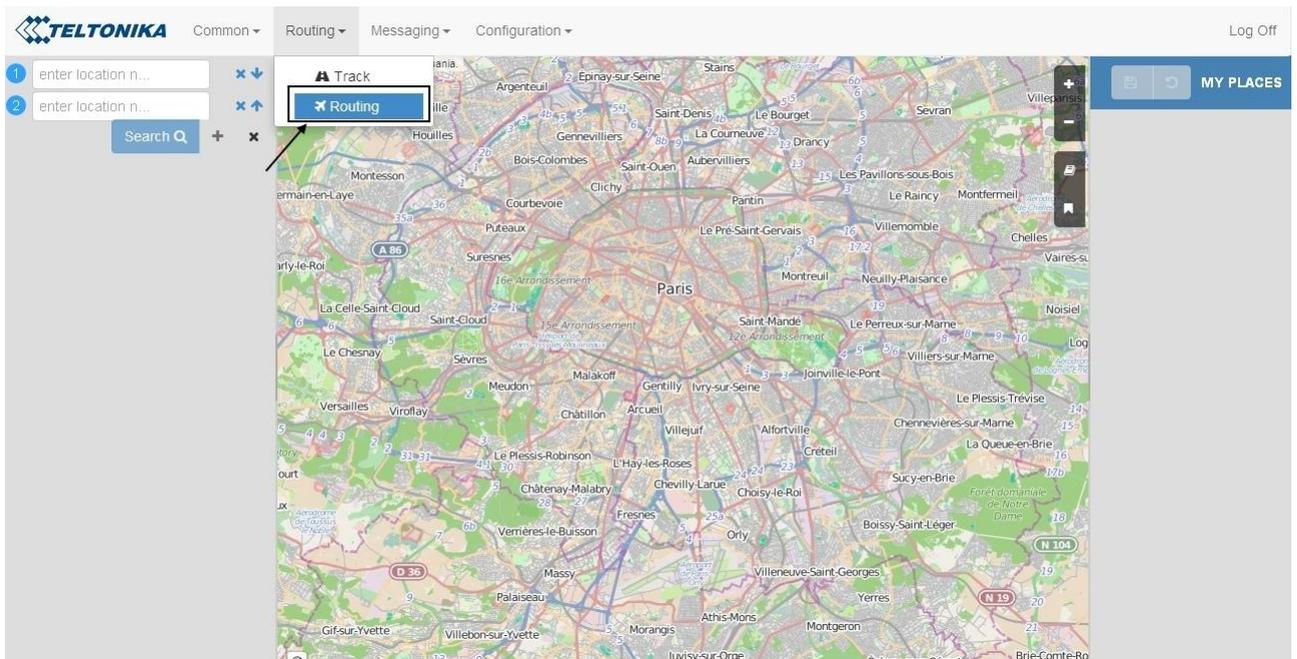


Figure 20. Routing

Double click on start place in the map and you will see blue pointer, when double click on second point which you want add to route, when on third, fourth and etc.. Depends of how many do you need. Doesn't matter if you don't set pointer exactly on road "Figure 21", your route will find it easy like shown in "Figure 22".

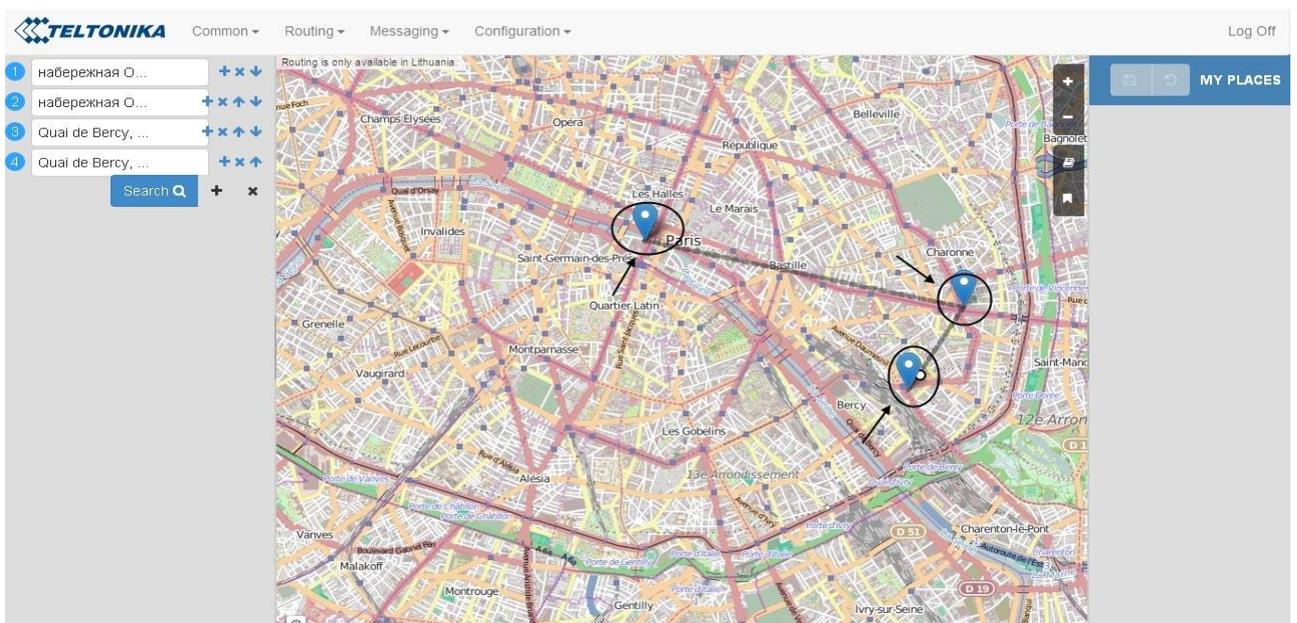


Figure 21. route pointers

In Figure 21 you can see disordered set pointers, but routing feature will fix it and find the fastest way from point to point. See in "Figure 22"

In the left side corner you can see all points details, street or city (if route is very big) names.

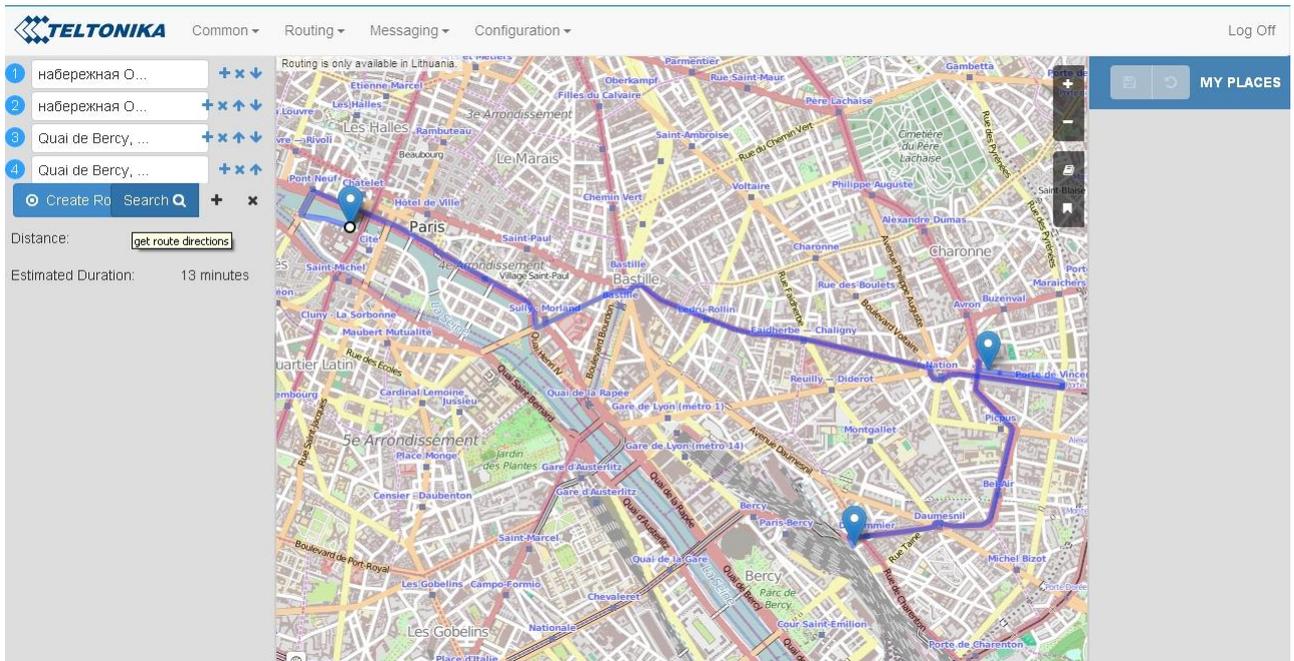


Figure 22. Finished route

4.7 Bigger map

Sometimes you need to see a lot of objects at the same time in the map window, but a big part of it is occupied from both sides with the additional information. Bigger map feature lets you to hide both toolbars. Simply press yellow marker on left toolbar side like shown on “Figure 23”, and the same on right side

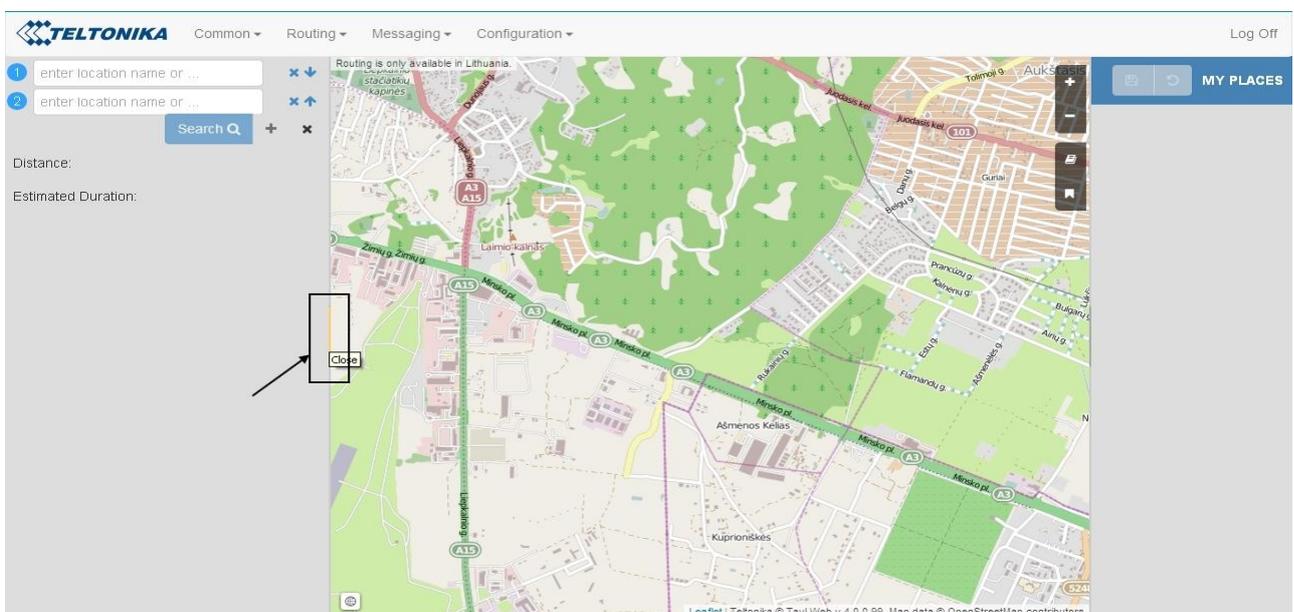


Figure 23. Yellow marker location

When you press that small yellow line will see this, more comfortable view “Figure 24”.

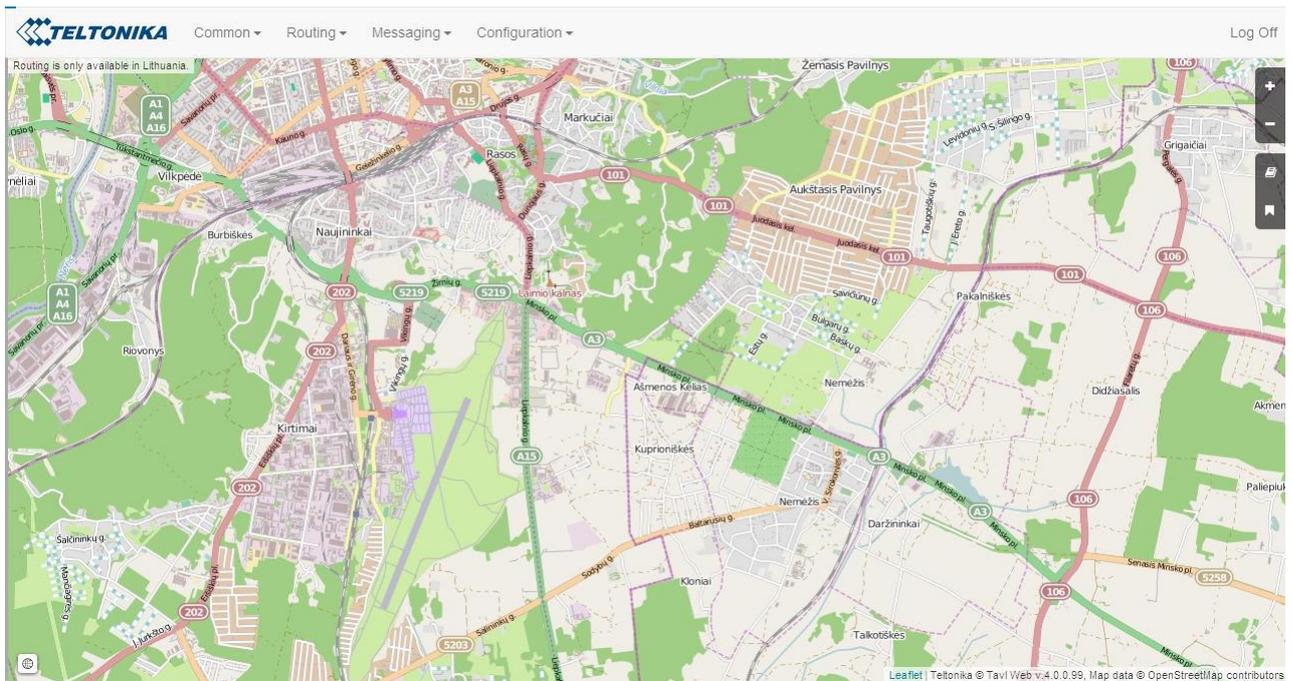


Figure 24. Bigger map

4.8 GoToReports

Reports feature lets you easy make report about driven distance, geofencing, route and etc. In “Figure 25” you see report list, simply press which you need and report will be shown to you. For more information about getting a report, look at [page 28](#).

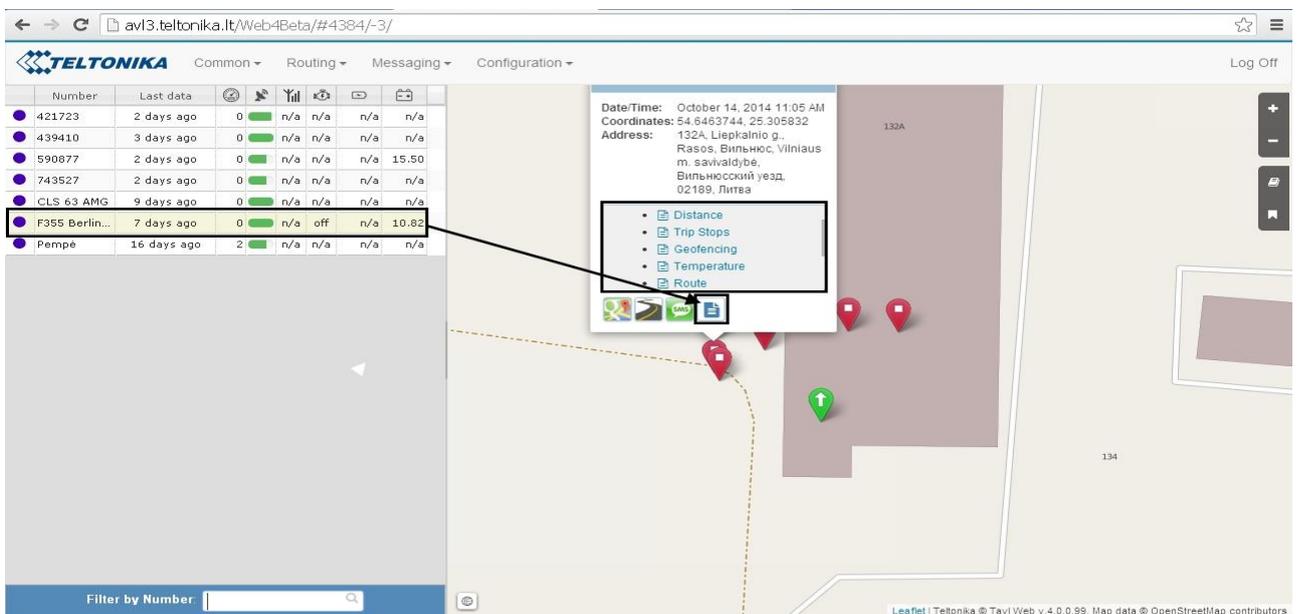


Figure 25. GoToReports

4.9 Filtering by number

If you have lots of devices maybe hundreds or thousands, it is very difficult to find the device you need. It is not. This feature lets you find any device by its number. Not necessary to write all number just write few first digits and will see much less devices “Figure 26”

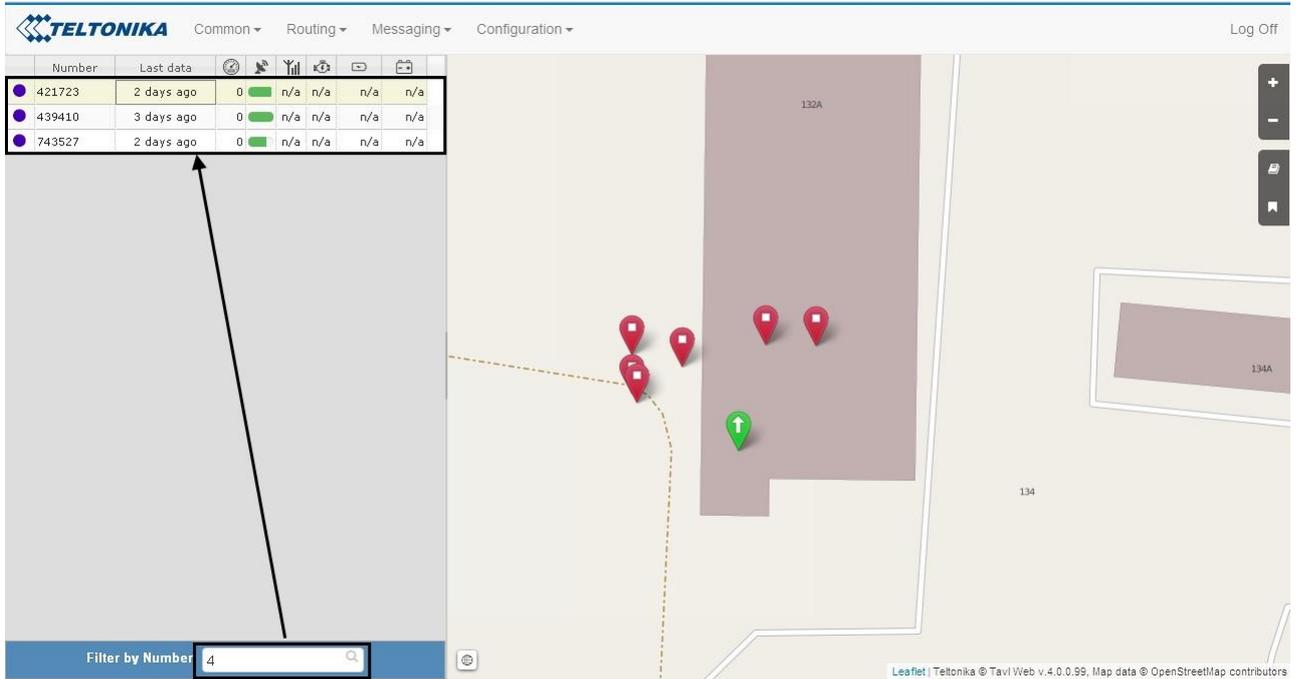


Figure 26. Filter

4.10 Settings

If you want to set up details in your device, you have to go to settings like it is shown in the Figure 27.

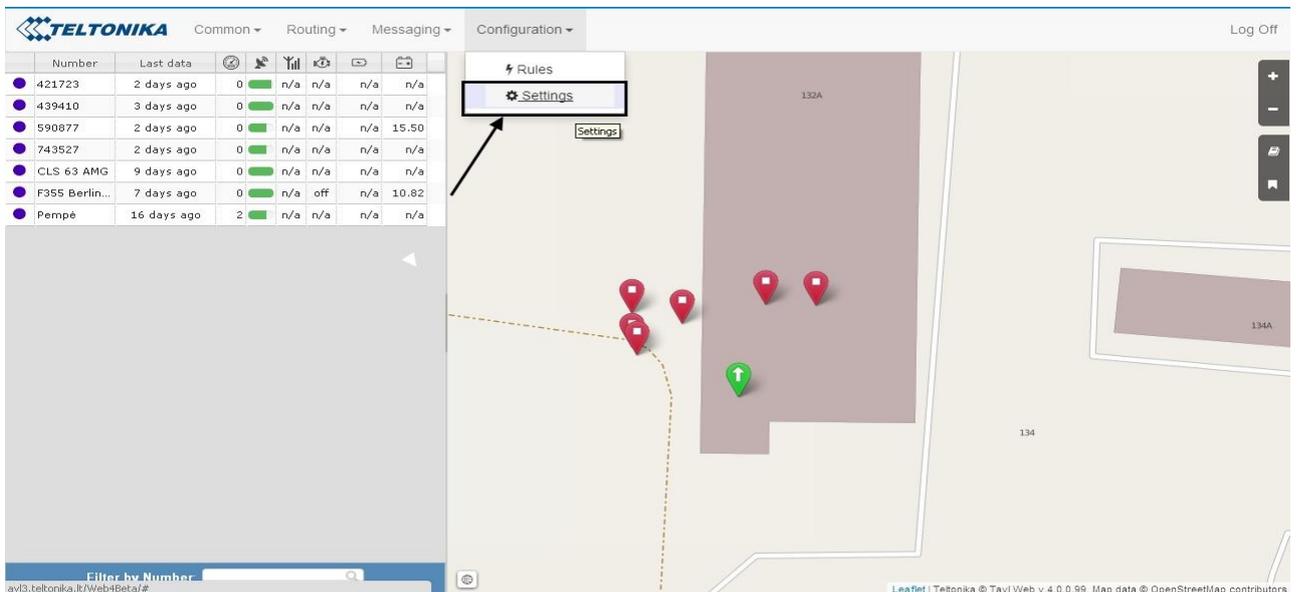


Figure 27. Settings

In “Figure 28” you can see all settings from measurement system to tracking parameters.

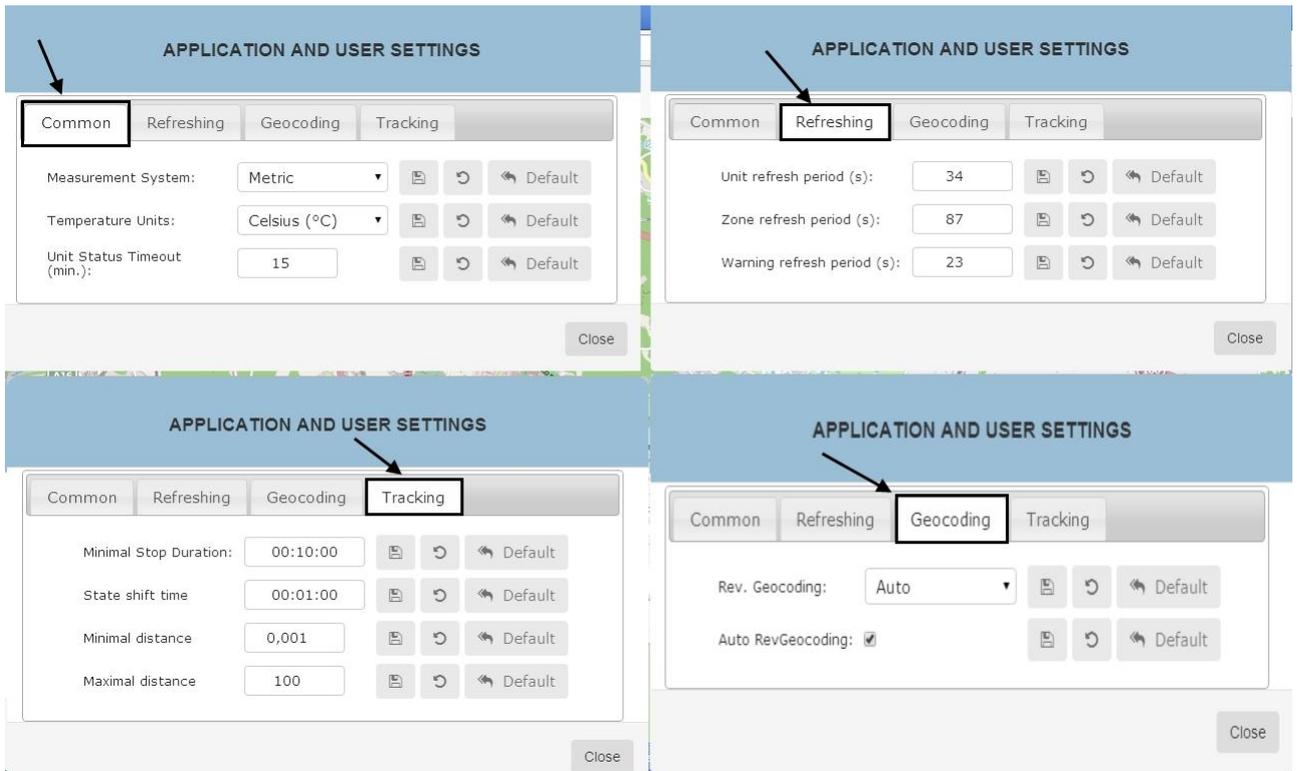


Figure 28. Settings bar

4.11 Warning rules

Feature lets you make 15 different warnings, in configuration menu press rules like shown in “Figure 29”.

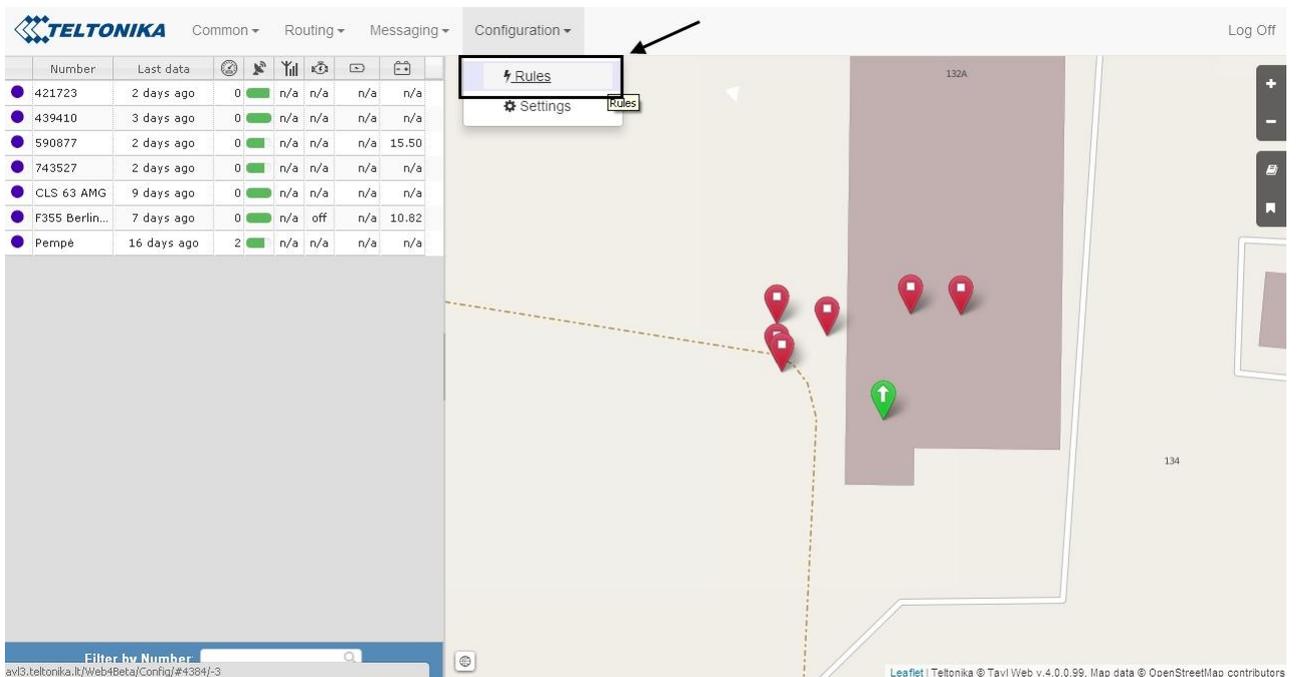


Figure 29. Rules

Press + near the warning rules and choose warning from the list. "Figure 30 "

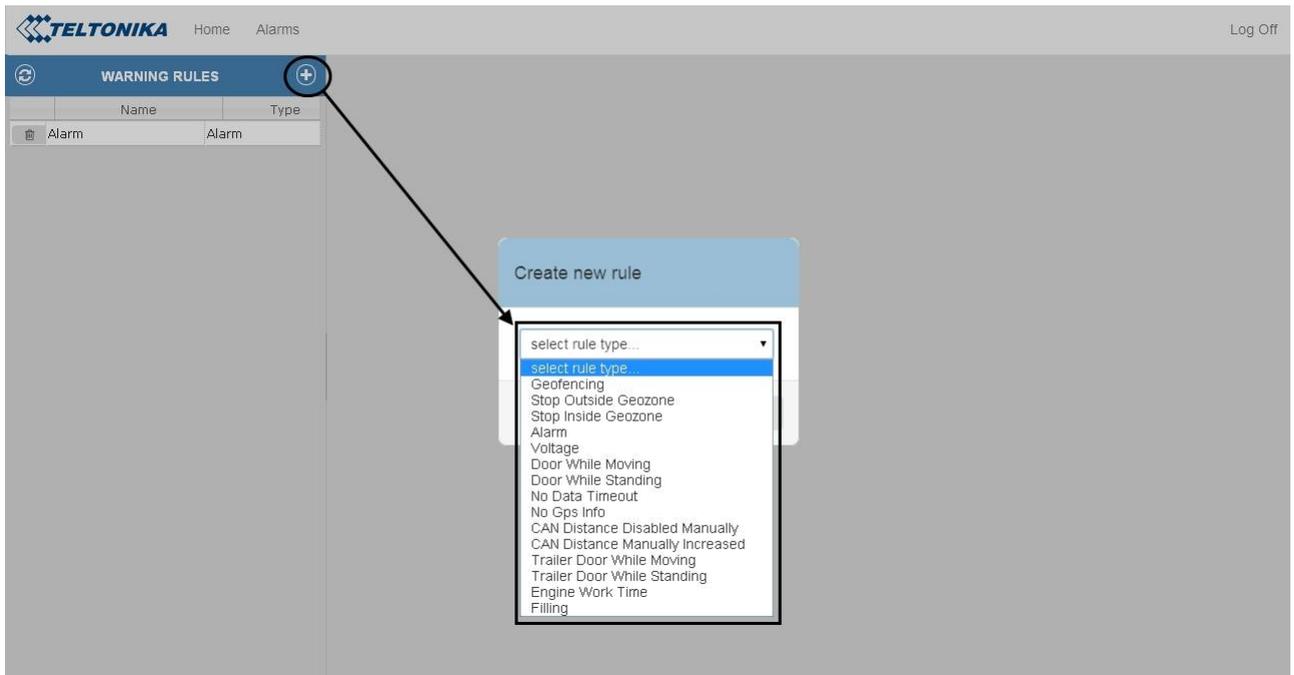


Figure 30. Warnings list

For example, if you choose stop inside geozone, it means that when you stop in configured geozone, you will get a warning. "Figure31"

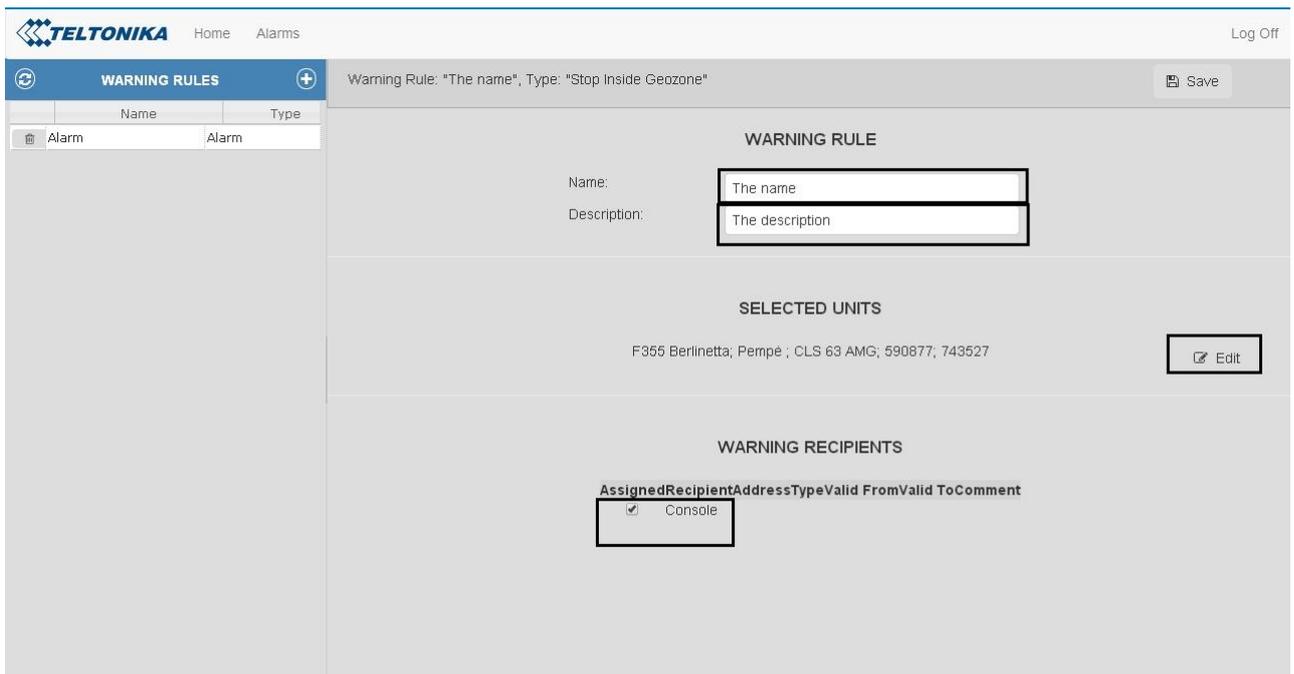


Figure 31.Warning rule geozone

In the WARNING RULE write the warning name, some description (not necessary)
 In SELECTED UNITS press edit and in the list choose units which must be controlled by warning.
 And check console.

4.12 GPRS Command sending

This feature lets you send command to the device directly from server. In “Figure 32” you can see where to find it.

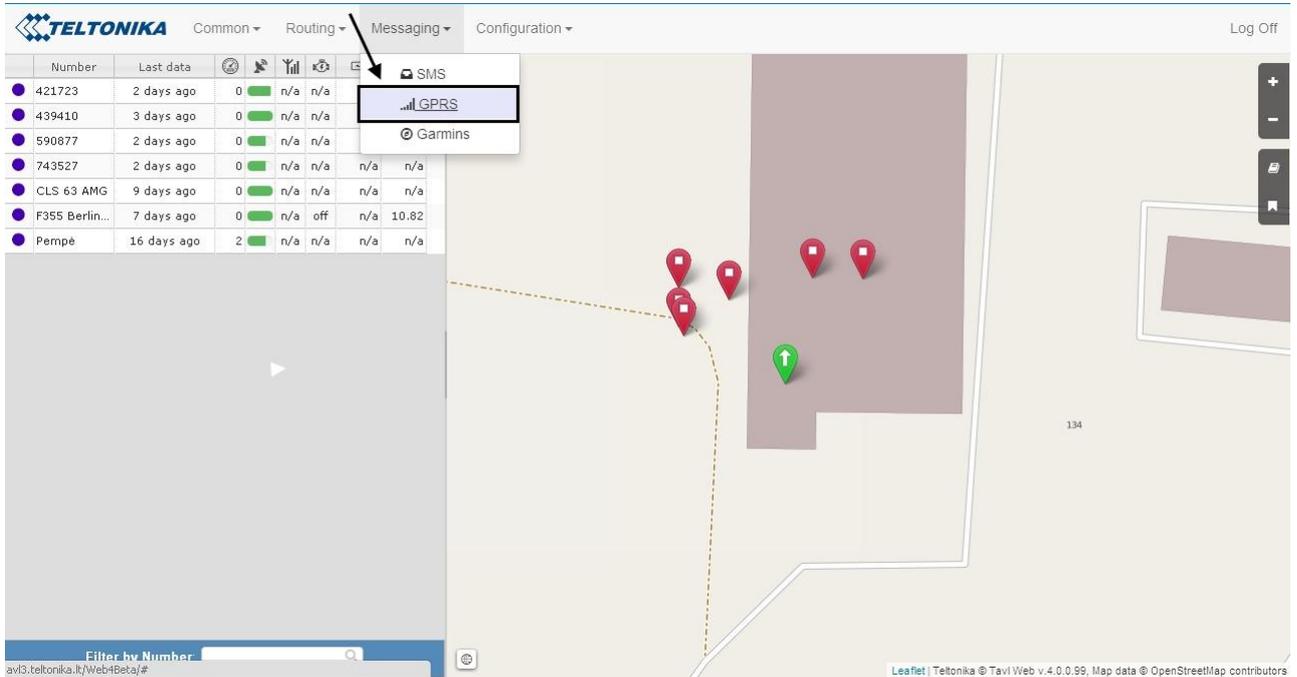


Figure 32. GPRS

Press GPRS and you will get the view like shown in “Figure 33”.

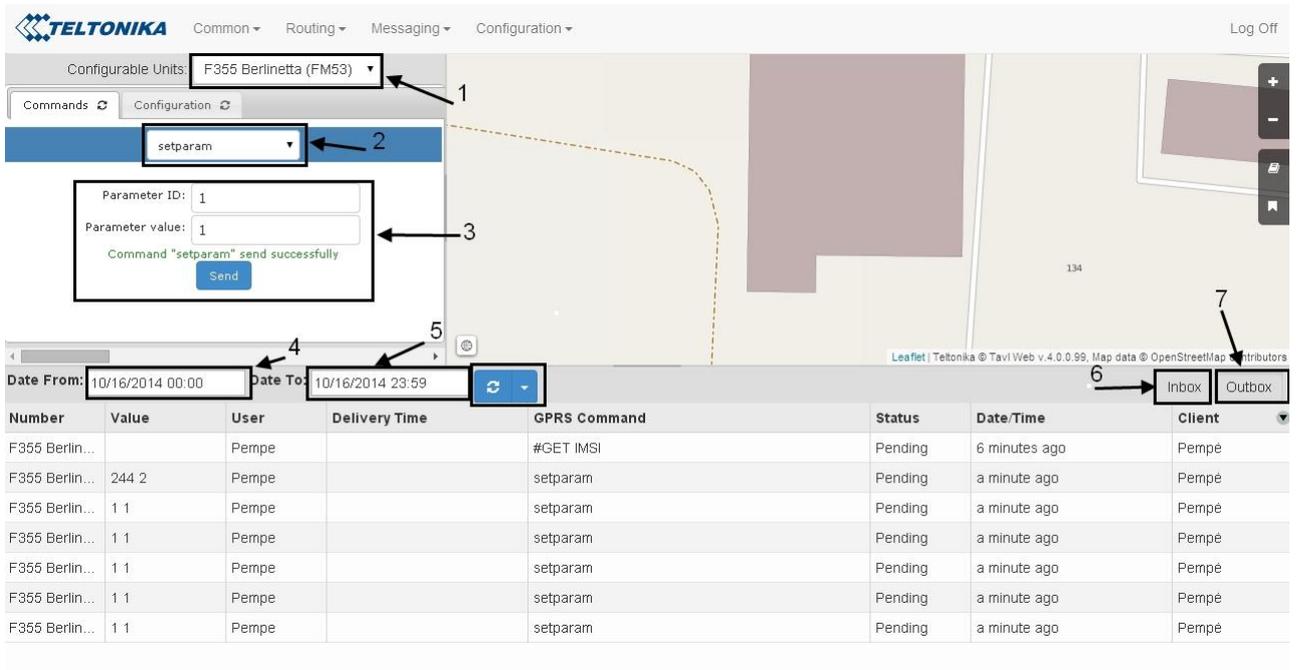


Figure 33. GPRS command sending

This is the main GPRS commands window.

1. Configurable units (first you need to choose device or some to configure).
2. Parameter command (there are all GPRS commands, choose which you need and move forward).
3. Parameter values (depends on commands, in example is setparam, and there you need to write ID and value).

Below is messages window.

4. Date from when showing messages.
5. Date till when showing messages.
6. Inbox
7. Outbox

When you sending a command, in message window outbox shows: “command sent”, when message reach the target, device sent you message informing about that.

Second message from device to you is informing that configuration changed.

4.13 Reports

If you need to get report of your driven distance, geofencing and etc, press Common and then Reporting like shown in “Figure 34”

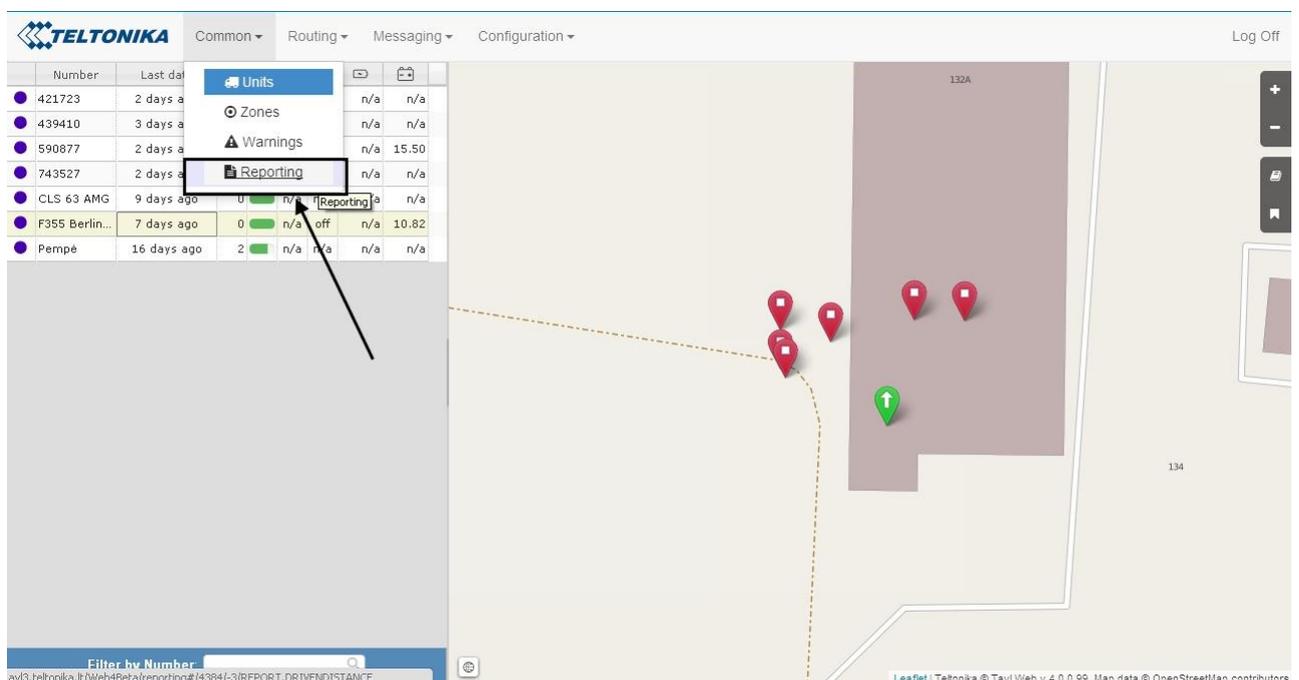


Figure 34. Reporting

When you will see this window “Figure 35”.

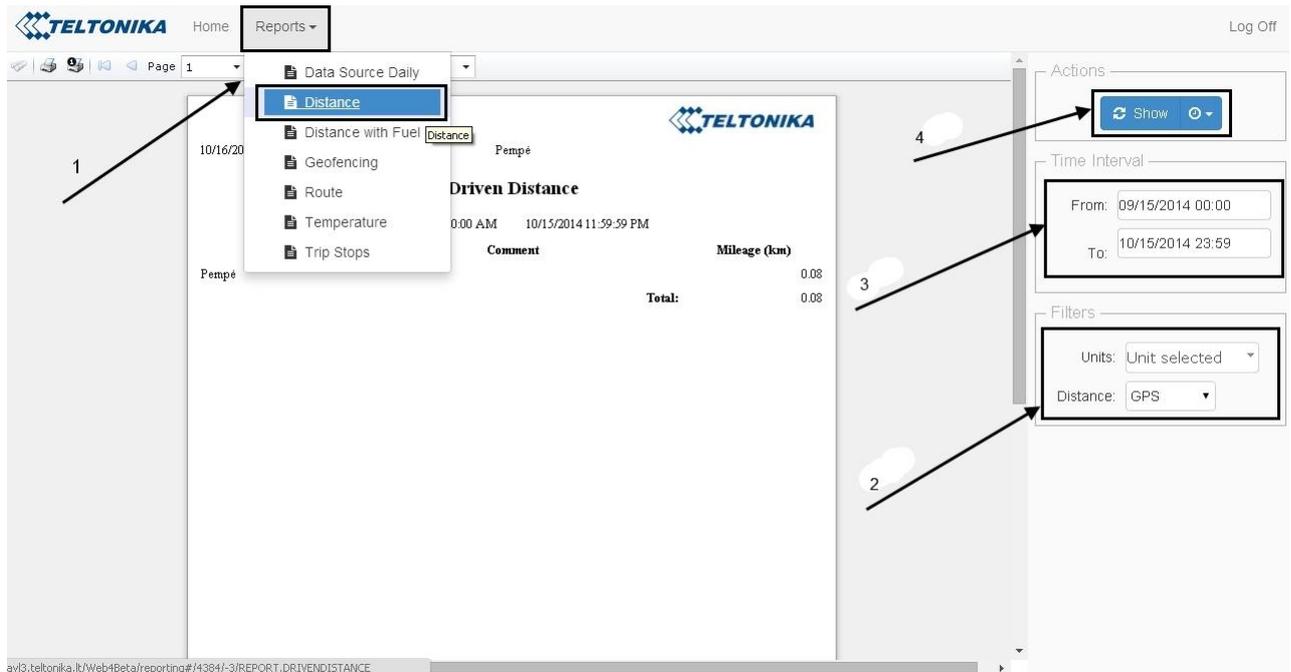


Figure 35 Report types

1. Select report type
2. Select unit, and other settings (In example shown that distance data sending based on GPS)
3. Set the date and time, from when till when you need to get report.
4. Press “show” and see your report, you can download or print it.

4.14 Change log

Nr	Date	Version	Comments
1	2014.01.31	1.0	Document created
2	2014.10.20	1.1	Added: chapter 4.6(routing) Chapter 4.7 (bigger map) Chapter 4.8 (GoToReports) Chapter 4.9 (filtering by number) Chapter 4.10 (settings) Chapter 4.11 (warning reports) Chapter 4.12 (GPRS command sending) Chapter 4.13(reports)