Instructions
on remote download of tachograph files for Ruptela trackers

Connect a card reader to your computer and insert a company card into the card reader. Afterwards run **tca.exe** file and click ‘Start authorization’ button.

The following message will be displayed (SN is indicated as an example):

Copy value 012345678912345 into field ‘Company card SN’ in the appropriate Ruptela unit properties in Wialon.

It means that in Wialon Hosting it is necessary to open Ruptela unit properties dialog, then on the ‘General’ tab summon device type configuration dialog (the ‘key’ icon to the right of device type field), and paste the copied value into the ‘Company card SN’ field.

To download data from a tachograph, it is necessary to create *custom_msg* command of the ‘TCP’ connection type. The command should contain the following text:

TACHO_START_COMMAND:<what_to_read>;from year-month-day-hour-minute-second to year-month-day-hour-minute-second.

Possible variants for <what_to_read>:

- 0 — tachograph data (activities for the specified period, events and faults, detailed speed, technical data from tachograph);

- 1 — card slot 1 (DDD file from card slot 1);
- 2 — card slot 2 (DDD file from card slot 2).

Field ‘from … to ...’ must be indicated only if <what_to_read> value is 0. If <what_to_read> value is 1 or 2, then ‘from … to ...’ field must be present, but its contents is not significant.

Examples:

TACHO_START_COMMAND:1;from to
TACHO_START_COMMAND:2;from to
TACHO_START_COMMAND:0;from 2015-9-15-12-12-20 to 2015-10-15-12-12-20

Execute the created command when the Ruptela unit is online and the application is launched. Afterwards the process of company card authorization will be started. During the authorization process the application is not available for another Ruptela units.

Pop-up notifications of Wialon Hosting keep you posted about the process of company card authorization and data download.

Receiving the notification ‘*Company card authentication procedure finished…*’ means that the company card has been authorized successfully and the application has been closed. Afterwards you may execute the command for another Ruptela unit.

Receiving of any error notification, for example, ‘*Tachograph communication failure. Sub ID: …*’ also means that the application has been closed and you may execute the command for another Ruptela unit, or repeat the command for the same unit.

Receiving the notification '*Tachograph data transfer request acknowledged…*' means that the system has sent a request to the Ruptela device to launch the process of receiving data from tachograph and sending data to Wialon. This process may take about 10 minutes. That is why you will have to wait for some time before you receive data in Wialon. During that time Ruptela device will continue to send ordinary position messages. Receiving data from card in slot 1 or 2 does not take much time. Receiving data from tachograph (what_to_read is 0) may take a longer period of time depending on time parameters in field 'from … to ...'.

Receiving the notification '*DDD file of size N downloaded*' means that a DDD file from slot 1 or 2 has been downloaded and can be viewed with Tacho Manager Wialon application.

Receiving the notification '*Tachograph file of size N bytes downloaded*' means that a tachograph file has been downloaded and can be accessed with Disketta Wialon application.

DDD files downloaded from card slots 1 and 2 can be seen with Tacho Manager Wialon application and analyzed with Tacho View Wialon application. Tachograph data files (<what_to_read> is 0) can be accessed with Disketta Wialon application. Tachograph data files are downloaded into folder «tachograph» and have «_tacho_file.ddd» in the end of their names.