

PosiTrace

From Global Fleet Management



User Manual

PosiTrace ELD System

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1. INTRODUCTION

What is ELD?

An electronic logging device (ELD) as defined by the FMCSA 49 CFR part 395 regulations is a system installed in a commercial motor vehicle (CMV) that provides electronic logging of vehicle activities. This system is integrated within the CMV environment to detect its operation. The primary integration with the vehicle is through the engine control module (ECM) and the vehicle's diagnostics bus (J1939 CAN bus).

The ELD detects the CMV operation through the vehicle integration and logs vehicle movement as drive time by an authenticated driver or unidentified driver. The ELD also records other data related to the vehicle position and operation.

ELD enables the tracking of drivers' working hours by using the following statuses: DRIVING (D), ON DUTY (ON), OFF DUTY (OFF), YARD MOVES (YM), PERSONAL USE (PU), and SLEEPER BERTH (SB).

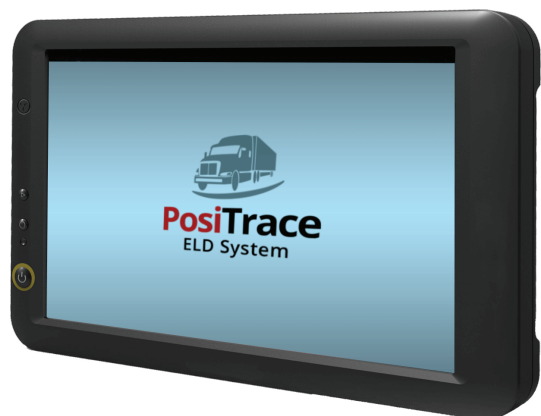
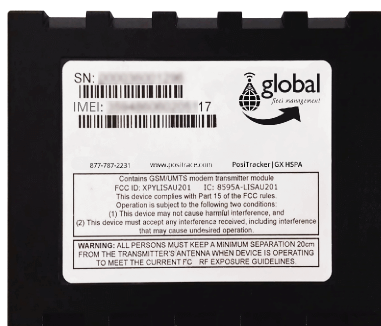
Which documents should every driver have?

Before working with ELD every driver should have the following documents:

- User manual
- Data transfer manual
- Malfunction description manual
- Blank RODS (records of duty statuses)

How does PosiTrace ELD System work?

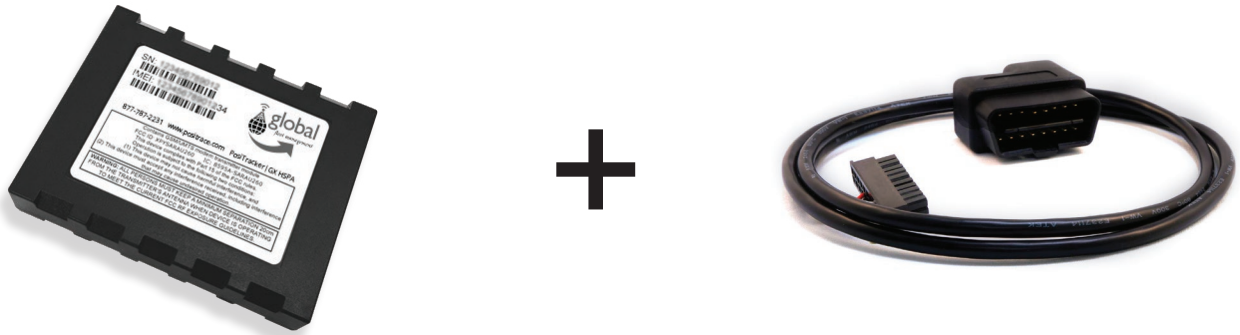
To work with PosiTrace ELD System you need to have cellular adapter (PosiTracker|GX6) and a compatible tablet (Mobile Data Terminal/MDT)



2. INSTALLATION

To install the ELD you must first plug the adapter into the vehicle, and setup the adapter to the system

Plugging in the PosiTracker | GX6



Use the OBDII cord to plug the PosiTracker | GX6 into the vehicle

Installing Software and Tablet Setup

To work with PosiTrace ELD System you need a 7" tablet or a smartphone, running installed Android 5 or higher. We recommend using the PosiTrace | MDT6 tablet, available from PosiTrace.



Make sure the tablet plugged in to the power supply and has access to the Internet. Then go to:
<https://play.google.com/store/apps/details?id=com.positrace.eld>
and install PosiTrace ELD System from Google Play Market

PosiTrace ELD System supports two connection types:

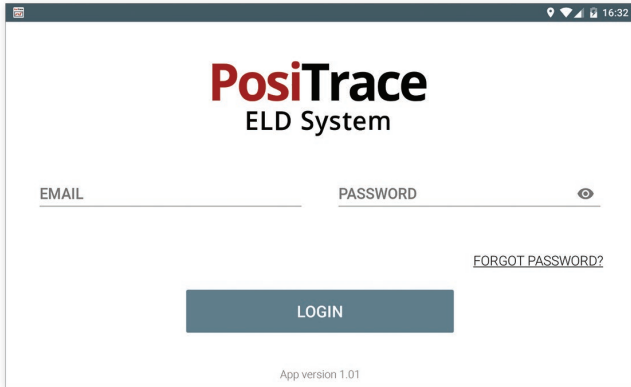
- Physical wire
- Bluetooth wireless


To connect via wire requires a compatible wiring for between the PosiTracker | GX6 and the tablet

To use the Bluetooth connection turn Settings > Bluetooth > Enable > ON. In the list of available devices there should be the device with a name GENX_0000000XXXXXX, corresponding to the tracker. Please note, the ignition should be "on" to enable the tracker to work.

3. AUTHORIZATION

To use the PosiTrace ELD System you need login credentials



- 1 Launch the app by pressing 

Make sure the tablet has an access to the internet, to allow authorization of settings and user information to be uploaded to the ELD device.
- 2 Logging into the app

Enter email and password, then touch LOGIN

If an invalid password is entered or the account is not fully setup, the app will display an error message.

After authorization, the app will prompt you to select an available role:

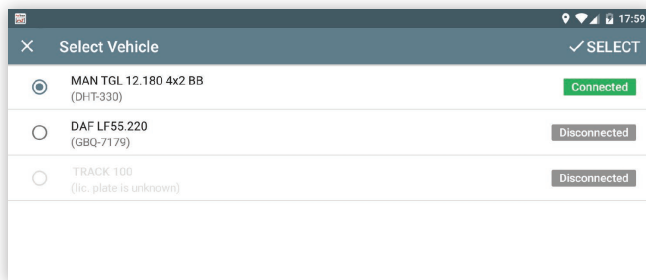
Driver: This user is the current driver and is operating the vehicle now, and all driving events will be registered to this user.

Co-Driver: when registering automatic events, this user will be marked as Co-Driver.

Guest: allows access to the system but the system will not consider the user a Driver or Co-Driver.

Note: On first launch the app offers to select a PosiTrace account with which the device is going to work

4. VEHICLE CONNECTION SETUP



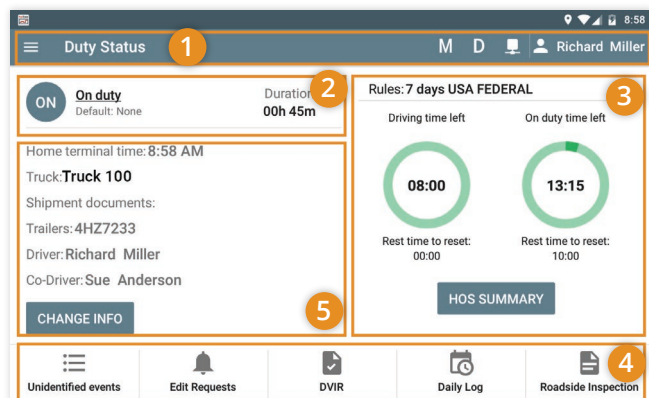
After authorization, if the app has not been previously setup to work with this vehicle, to setup process for the vehicle connection will be initiated. The screen will display a list of available vehicles to connect to. If the required vehicle is not in the list, refer to your manager.

If the settings for the tracker have been done correctly there will be "Connected" indicator in front of the vehicle.

#	Possible causes of connection failure	Solution
1	Wiring is not connected to the tracker	Check the wiring
2	Tracker does not work	Check the tracker - a green lamp should light
3	Bluetooth is off	Turn Bluetooth on
4	No corresponding device	Go to Android Settings > Bluetooth, select GENX_0000XXXXXXXX connection, assign to the device
5	No connection	Launch the app once more to search for connection

5. MAIN SCREEN









After authorization the driver arrives at the main screen



- 1 Status icons
- 2 Touch here to switch current driver duty status
- 3 Additional information
- 4 Quick access icons
- 5 HOS rules

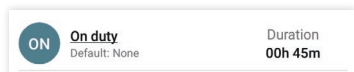
Note: if you have uncertified logs or DVIR reports the screen will show a warning message.

Indicators

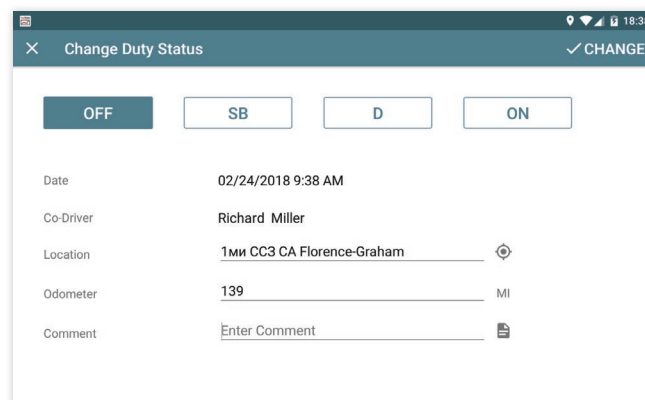
	Menu button		Data Diagnostic event indicator
	Indicator that shows the driver is exempt from use of an ELD.		Connection indicator:  - Connected,  - Disconnected
	Malfunction event indicator		Current user indicator

Change Duty status

Current driver duty status, the category of driving (Default: None, Personal Use, Yard Move) and the duration of this event will be displayed on the button.

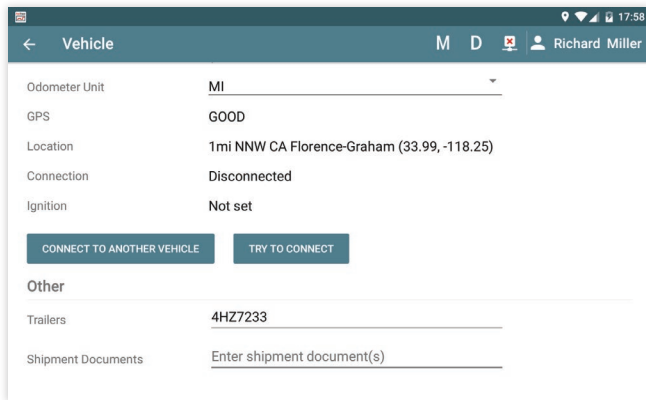


To change the duty status touch this button and select one of available statuses.



Note: Special categories of driving Yard Moves and Personal Use are available only if the driver's settings have correspondent settings enabled by manager. Refer to manager if necessary.

Trailer and Documents Setup

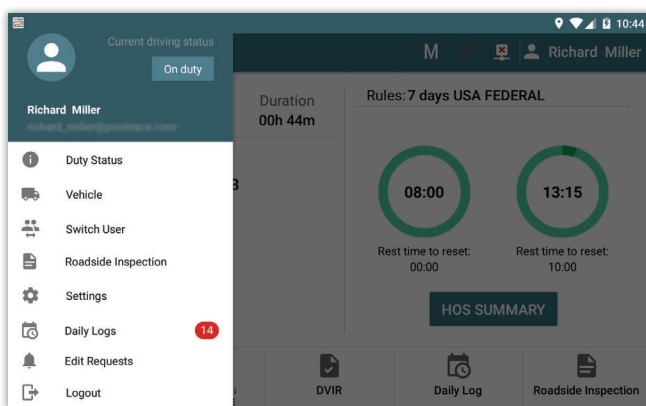


To add a trailer touch “Change Info” button and enter the trailer’s number along with a comma-separated list of documents.

Quick access buttons

Icon	Description
 Unidentified events	View Unidentified events: If events exist, the number by the icon tells you how many.
 Edit Requests	View the list of Edit Requests: If there are requests, the number by the icon tells you how many.
 DVIR	View DVIR reports for the current day. The number by the icon tells how many reports for today.
 Daily Log	View Daily Log for today
 Roadside Inspection	View Roadside Inspection screen and data upload

Main menu




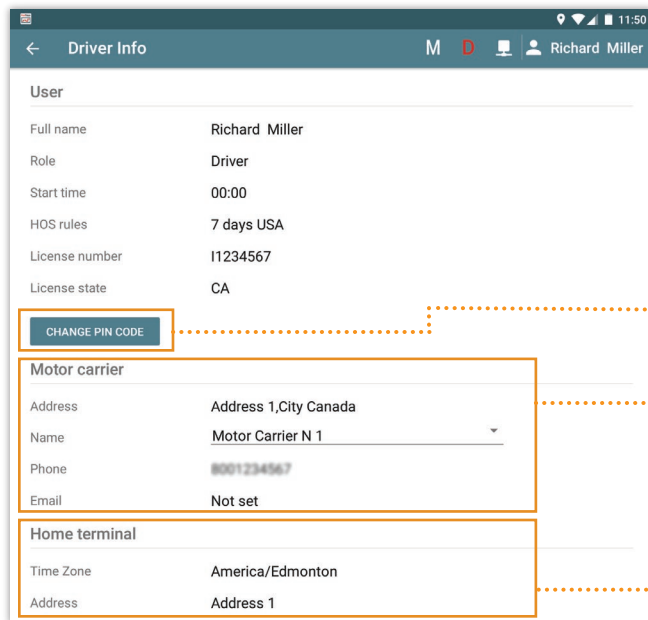
Main menu partially duplicates buttons on the main screen, but also provides access to additional functions.

Including:

- **Vehicle:** view info about the vehicle and the connection status.
- **Switch User:** user change or addition of co-driver.
- **Settings:** app settings.
- **Logout:** finish the current user work and send data to the PosiTrace server.

6. DRIVER INFORMATION

To view information about the driver, touch the user icon  above-right on the screen.



The screenshot shows the 'Driver Info' screen with the following sections:

- User:** Full name: Richard Miller, Role: Driver, Start time: 00:00, HOS rules: 7 days USA, License number: I1234567, License state: CA. A 'CHANGE PIN CODE' button is highlighted below this section.
- Motor carrier:** Address: Address 1, City Canada, Name: Motor Carrier N 1, Phone: 8001234567, Email: Not set.
- Home terminal:** Time Zone: America/Edmonton, Address: Address 1.

Security

After user authorization, the app may ask for the password a second time when switching accounts between the driver and the co-driver. The driver may opt for a short PIN code and enter it instead of the password. The PIN code does not replace the password but is handy for some tasks.

- The driver may change the PIN code by pressing CHANGE PIN CODE.

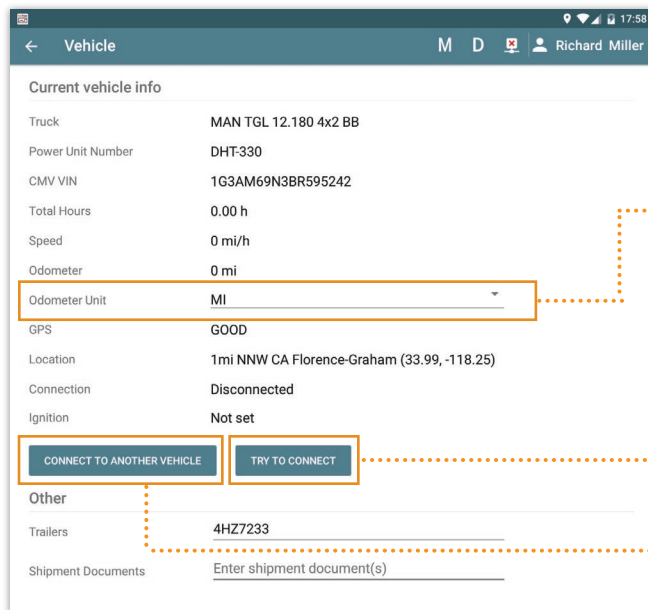
- Information about the carrier.

Note: You can change the carrier, if this is allowed by the dispatcher.

- Information on driver's Home Terminal.

7. PLUGGING IN TO THE VEHICLE

Vehicle Information Screen



The screenshot shows the 'Vehicle' screen with the following sections:

- Current vehicle info:** Truck: MAN TGL 12.180 4x2 BB, Power Unit Number: DHT-330, CMV VIN: 1G3AM69N3BR595242, Total Hours: 0.00 h, Speed: 0 mi/h, Odometer: 0 mi. The 'Odometer Unit' dropdown menu is highlighted and set to 'MI'.
- GPS:** GOOD
- Location:** 1mi NNW CA Florence-Graham (33.99, -118.25)
- Connection:** Disconnected
- Ignition:** Not set
- Other:** Trailers: 4HZ7233, Shipment Documents: Enter shipment document(s).

Buttons 'CONNECT TO ANOTHER VEHICLE' and 'TRY TO CONNECT' are highlighted at the bottom.

To view information about the vehicle and the connection status, go to the "Menu" and select the option "Vehicle".

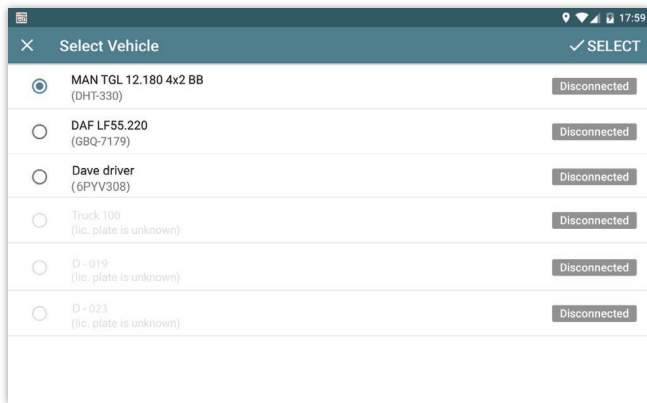
The screen will display the operational information.

- Setup the Odometer Unit. Use "KM" if the units are in kilometers.

- Touch "Try to connect" if the connection with the vehicle is lost.

Note: ELD detects when the connection with the vehicle is lost and will try to restore it automatically.

- Touch button "Connect to another vehicle" to connect ELD to another vehicle.



Discovery of connected vehicles

To connect ELD to the other vehicle go to the "Main menu" > "Vehicle" and touch "Connect to another vehicle".

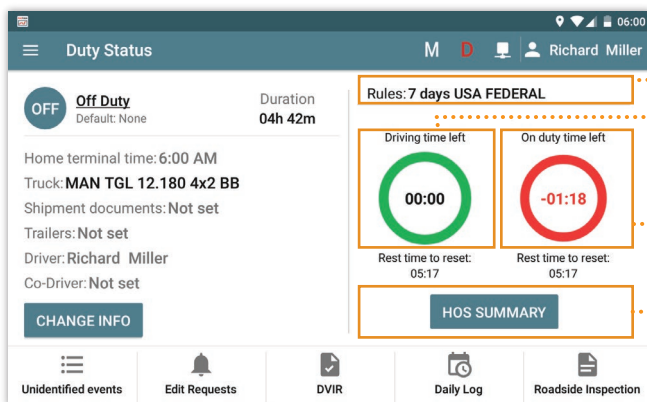
Select the vehicle from the list shown

Note: The vehicles that cannot be connected to at the moment, are marked by the gray color.

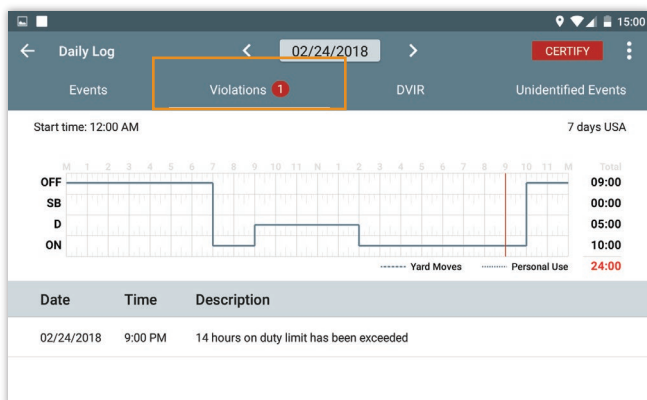
Note: the status of connection shows the possibility of connecting ELD to a vehicle.

8. HOS

Round timers show the available driver duty time on the right side of the screen.

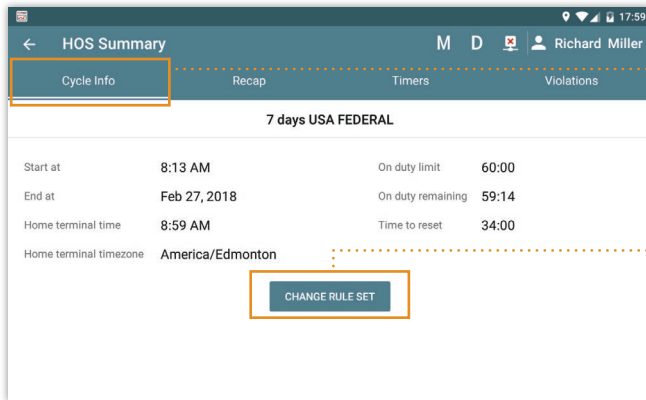


- **tRules:** show the currently active rule
- **Driving time left:** how much driving time is left for the current day. The time needed to rest before resetting timer is shown below.
- **On Duty time left:** how much on duty time is left for the current day. The time needed to stay on duty before resetting timer is shown below.
- Touch **HOS SUMMARY** to view the detailed HOS calculation.

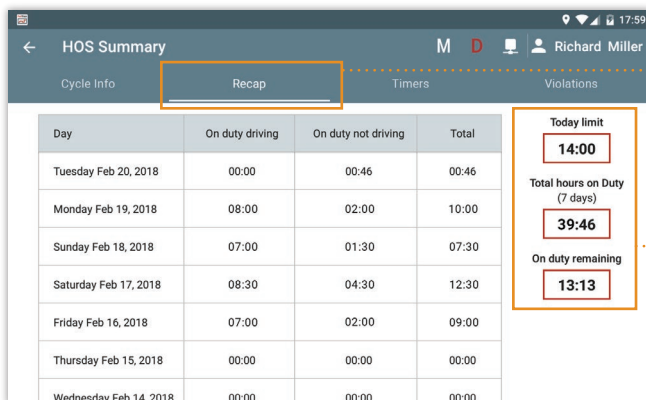


All violations are fixed and displayed on Daily Log screen in the Violations tab.

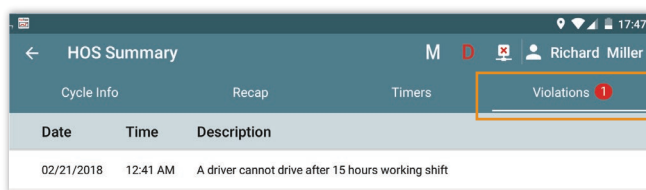
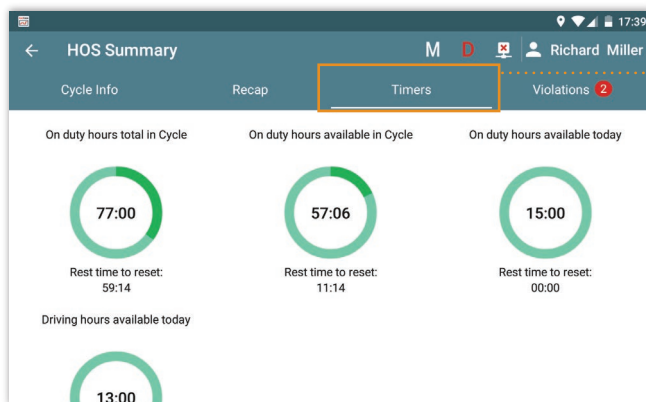
HOS Summary



Attention: in the FMCSA reports there will be rules assigned to you by the carrier.



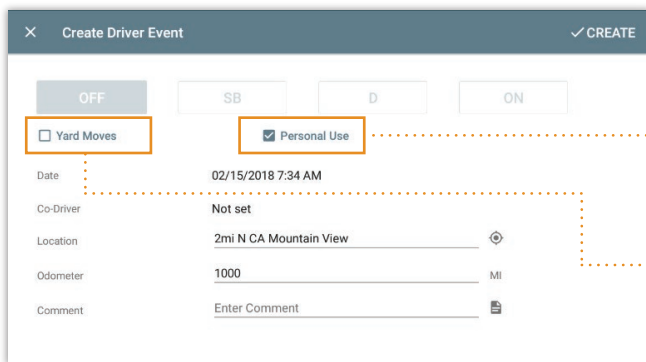
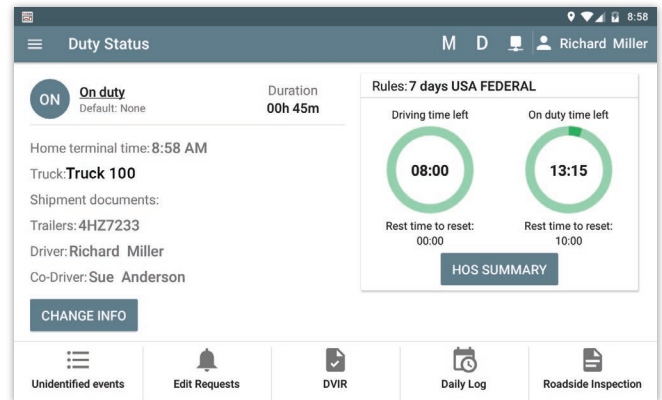
The indicators to the right show available working hours based on the selected HOS rules.



9. AUTOMATIC RECORDING

- Make sure that the correct **Shipment Documents** are provided
- Make sure the list of **trailers** is correctly setup
- Make sure you do not violate HOS rules and you have enough driving hours

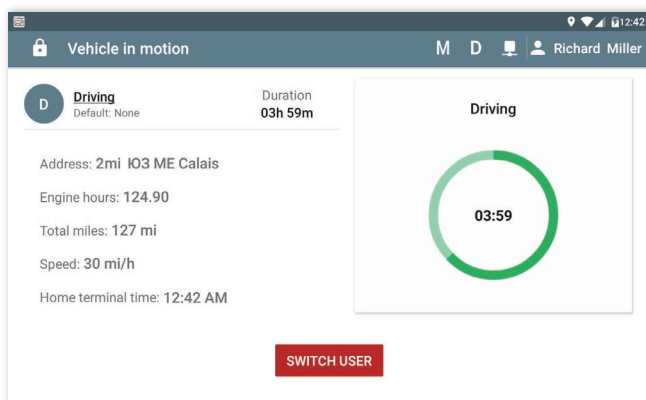
*Note: if the round timers show negative time or their color has changed to red, do not start working - wait while **Rest time to reset** is 00:00 - the round timers will be reset.*



If you are going to use vehicle under Special Driving Conditions, you must select the corresponding driving status before you start the trip.

- **Personal use** - time of driving will be registered as Off Duty. When selecting this status you must enter enter comments.
- **Yard Moves** - time of driving will be registered as On Duty. When selecting this status you must enter comments.

Note: no need to point out status Driving manually if there is a connection with vehicle. The status will be recorded automatically as soon as you start driving.



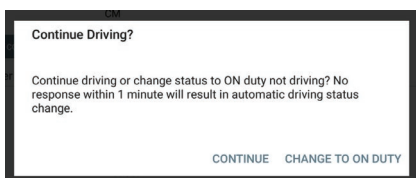
The app will automatically switch Duty Status to Driving if the speed of the vehicle is more than 5 mph - the screen of the driver will enter driving mode.

The remaining driving time is shown in the circle.

While the vehicle is in motion, the co-driver can view and edit their records. To do so touch "Switch user" and select the co-driver's account.

The button will be active if co-driver is authorized in the app before the start of driving.

When the speed of the vehicle is 0 mph and stays unchanged for 3 seconds, the screen will be unlocked.



In 5 mins the driver will be prompted to change his working status to On Duty.

If the driver does not respond in 1 minute the working status will be changed automatically.

10. MALFUNCTION & DATA DIAGNOSTIC EVENTS

The PosiTrace ELD System registers faults and diagnostic events in accordance with the requirements of the Federal Carrier Management (FMCSA). In accordance with FMCSA requirements, drivers and carriers are responsible for rectifying these problems.

Responsibility of the driver:

- The driver should pay attention to the occurrence of the malfunction and notify the carrier in writing within 24 hours.
- In the event of an ELD failure or lack of data on the ELD, the driver must restore the RODS records for the current 24 hours and the previous 7 days.
- The driver must continue to maintain the RODS records until the ELD is aligned.
- During the checks, if the ELD device is not working properly, the driver is obliged to provide the security staff with manual log entries.

Responsibility of the carrier:

- Provide a complete user guide for operating the ELD device.
- Provide instructions with step-by-step instructions on how to transfer data to a security officer.
- Provide the driver with a description of the violations and the procedures for saving the records.
- Should correct the source of ELD violations within 8 days as received a notification of a malfunction from the driver.
- Provide the driver with paper forms for conducting RODS records, for a minimum of 8 days.

Data Diagnostic Events

Code	Type	Steps to fix
1	Power Diagnostic	<p>An ELD must monitor data it receives from the engine ECM or alternative sources, its onboard sensors, and data record history to identify instances when it may not have complied with the power requirements, in which case, the ELD must record a power data diagnostics event for the corresponding driver(s), or under the unidentified driver profile if no drivers were authenticated at the time of detection.</p> <p>How to fix:</p> <ol style="list-style-type: none"> 1. Check the diagnostic port of the vehicle. 2. Check that the PosiTracker GX6 is connected to the diagnostic port of the vehicle. 3. Check for a connection between the PosiTracker GX6 and the tablet. 4. View the daily log and enter the missing information.
2	Engine Synchronization Diagnostic	<p>An ELD required to establish a link to the engine ECM must monitor its connectivity to the engine ECM and its ability to retrieve the vehicle parameters and must record an engine-synchronization data diagnostics event when it no longer can acquire updated values for the ELD parameters required for records within 5 seconds of the need.</p> <p>How to fix:</p> <ol style="list-style-type: none"> 1. Check the diagnostic port of the vehicle. 2. Check that the PosiTracker GX6 is connected to the diagnostic port of the vehicle. 3. Check for a connection between the PosiTracker GX6 and the tablet. 4. View the daily log and enter the missing information.

Data Diagnostic Events continuation

3	Missing Data Elements Diagnostic	<p>If a new ELD event must be recorded at an instance when the ELD had failed to acquire a valid position measurement within the most recent elapsed 5 miles of driving, but the ELD has not yet set a positioning compliance malfunction, the ELD must record the character "X" in both the latitude and longitude fields, unless location is 88 entered manually by the driver, in which case it must log the character "M" instead.</p> <p>Under the circumstances listed in this paragraph, if the ELD event is due to a change in duty status for the driver, the ELD must prompt the driver to enter location manually. If the driver does not enter the location information and the vehicle is in motion, the ELD must record a missing required data element data diagnostic event for the driver.</p> <p>How to fix:</p> <ol style="list-style-type: none"> 1. Check the diagnostic port of the vehicle 2. Check that the PosiTracker GX6 tracker is connected to the diagnostic port of the vehicle 3. Check for a connection between the PosiTracker GX6 and the tablet 4. Check the GPS settings in the tablet 5. Check that the vehicle meets the requirements of FMCSA and the engine's year is after 2000 6. View the daily log and enter the missing information
4	Data Transfer Diagnostic	<p>If the monitoring mechanism fails to confirm proper in-service operation of the data transfer mechanism(s), an ELD must record a data transfer data diagnostic event and enter an unconfirmed data transfer mode.</p> <p>How to fix:</p> <ol style="list-style-type: none"> 1. Check availability of internet 2. Make sure the USB drive is functional
5	Unidentified Driver Diagnostic	<p>If more than 30 minutes of driving in a 24-hour period show unidentified driver on the ELD, the ELD must detect and record an unidentified driving records data diagnostic event and the data diagnostic indicator must be turned on for all drivers logged in to that ELD for the current 24-hour period and the following 7 days. (c) An unidentified driving records data diagnostic event can be cleared by the ELD when driving time logged under the unidentified driver profile for the current 24-hour period and the previous 7 consecutive days drops to 15 minutes or less.</p> <p>How to fix:</p> <ol style="list-style-type: none"> 1. View the driving time and assign unidentified driving time

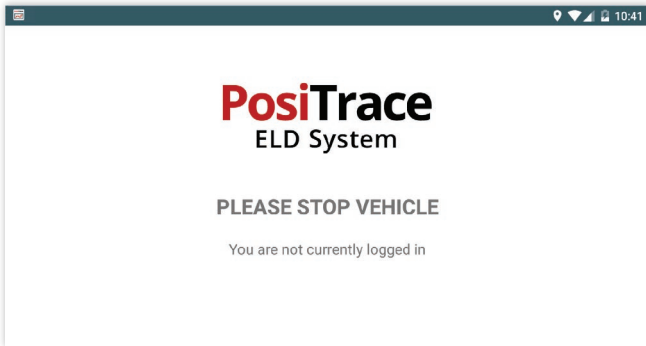
Malfunction Events

Code	Name	Description
P	Power Malfunction	<p>An ELD must set a power compliance malfunction if the power data diagnostics event indicates an aggregated in-motion driving time understatement of 30 minutes or more on the ELD over a 24-hour period across all driver profiles, including the unidentified driver profile.</p> <p>How to fix:</p> <ol style="list-style-type: none"> 1. Check the diagnostic port of the vehicle 2. Check that PosiTracer GX6 is connected to the diagnostic port of the CMV 3. Check for a connection between the PosiTracker GX6 and the tablet 4. View the daily log and enter the missing information
E	Engine Synchronization Malfunction	<p>An ELD must set an engine synchronization compliance malfunction if connectivity to any of the required data sources is lost for more than 30 minutes during a 24-hour period aggregated across all driver profiles, including the unidentified driver profile.</p> <p>How to fix:</p> <ol style="list-style-type: none"> 1. Check the diagnostic port of the vehicle 2. Check that PosiTracker GX6 is connected to the diagnostic port of the CMV 3. Check for a connection between the PosiTracker GX6 and the tablet 4. View the daily log and enter the missing information
T	Timing Malfunction	<p>The ELD must periodically cross-check its compliance with the requirement with respect to an accurate external UTC source and must record a timing compliance malfunction when it can no longer meet the underlying compliance requirement.</p> <p>How to fix:</p> <ol style="list-style-type: none"> 1. Check that the date and time in the tablet are set correctly 2. View the daily log and enter the missing information
R	Data Recording Malfunction	<p>An ELD must monitor its storage capacity and integrity and must detect a data recording compliance malfunction if it can no longer record or retain required events or retrieve recorded logs that are not otherwise catalogued remotely by the motor carrier.</p> <p>How to fix:</p> <ol style="list-style-type: none"> 1. Start filling in the RODS records manually. 2. Clean the internal memory of the device.

Malfunction Events continuation

L	Position Malfunction	<p>ELD records requiring location information must use the last valid position measurement and include the latitude/longitude coordinates and distance traveled, in miles, since the last valid position measurement.</p> <p>An ELD must monitor elapsed time during periods when the ELD fails to acquire a valid position measurement within 5 miles of the vehicle's movement. When such elapsed time exceeds a cumulative 60 minutes over a 24 hour period, the ELD must set and record a positioning compliance malfunction.</p> <p>How to fix:</p> <ol style="list-style-type: none"> 1. Verify that the GPS module in the tablet is set up correctly and turned on. 2. View the daily log and enter the missing information
S	Data Transfer Malfunction	<p>(a) An ELD must implement in-service monitoring functions to verify that the data transfer mechanism(s) are continuing to function properly. An ELD must verify this functionality at least once every 7 days. These monitoring functions may be automatic or may involve manual steps for a driver.</p> <p>(c) After an ELD records a data transfer data diagnostic event, the ELD must increase the frequency of the monitoring function to check at least once every 24-hour period. If the ELD stays in the unconfirmed data transfer mode following the next three 90 consecutive monitoring checks, the ELD must detect a data transfer compliance malfunction.</p> <p>How to fix:</p> <ol style="list-style-type: none"> 1. Check availability of Internet.

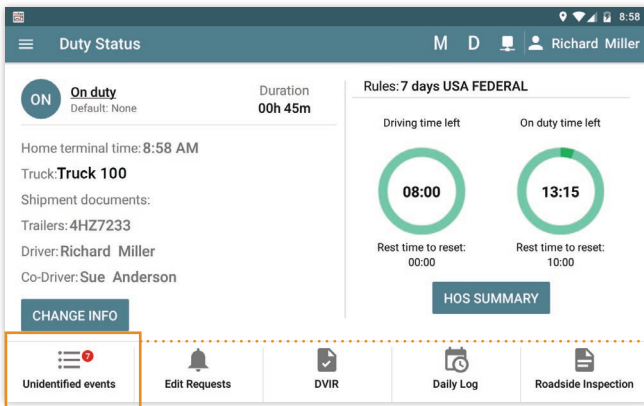
11. UNASSIGNED DRIVE TIME



If ELD detects that the vehicle starts moving but there is no registered driver in the system, a screen will request the vehicle be stopped, and authorization be completed.

As soon as the driver is authorized in the system, if the driving time is fixed, they will be shown a message about the presence of unidentified events.

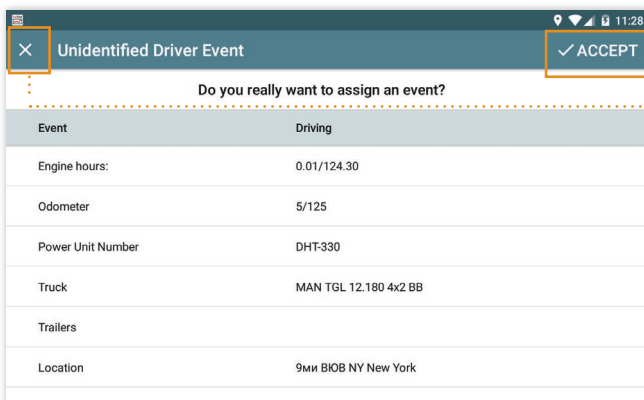
Accepting Unidentified Events




● Touch "Unidentified events", to view the window with the list of events.



● Touch  and in the menu select "Accept".

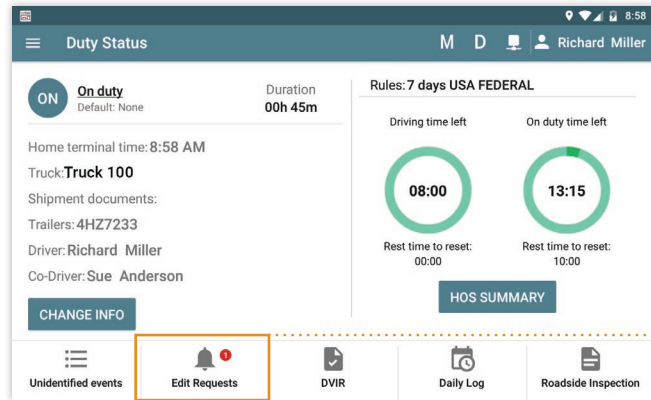


● Review the detail information about the event and Touch "Accept" to assign the event to the current user

● or touch  to cancel the action.

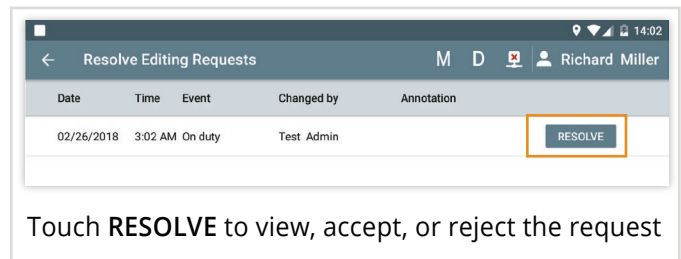
12. EDITING REQUESTS

There are situations when the dispatcher wants to insert additions or corrections into the logs. In this case all corrections will be marked as Request and will require confirmation from the driver.

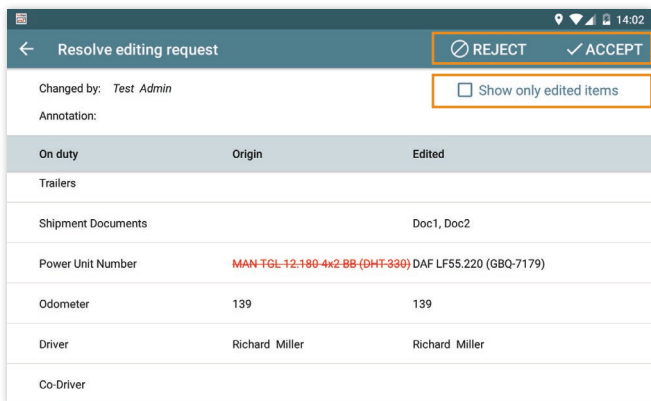


If driver has edit requests, the main screen will show the indicator

- Click on "Edit Requests" to see these fixes



Touch **RESOLVE** to view, accept, or reject the request



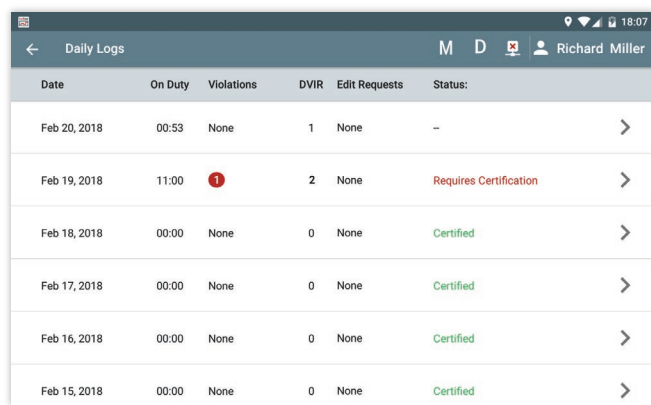
- Touch **REJECT** to reject corrections or **ACCEPT** to accept the corrections
- Touch "Show only edited items" to view only the fields in which corrections were done.

Note: the day in which the correction is done demands recertification.

13. DAILY LOGS HISTORY

The driver can view the history of his records. The driver must certify all previous days except for the last 24 hours.

To view the history, open app Menu and go to the **Daily Logs**.

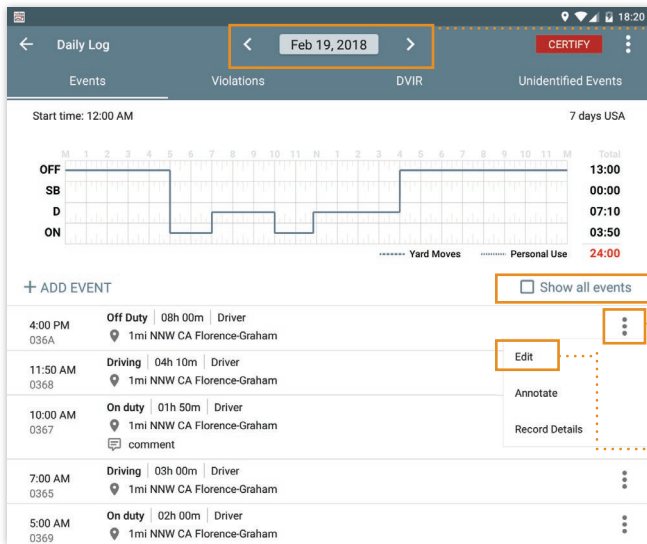


The screen shows:

- **On duty:** number of hours worked per day (On Duty driving + On duty not driving)
- **Violations:** presence of HOS violations
- **DVIR:** amount of DVIR reports per every day
- **Edit Request:** amount of editing requests from the dispatcher

Note: for a detailed view, click on the interesting one.

Editable requests



- Select a day in which the correction is needed.

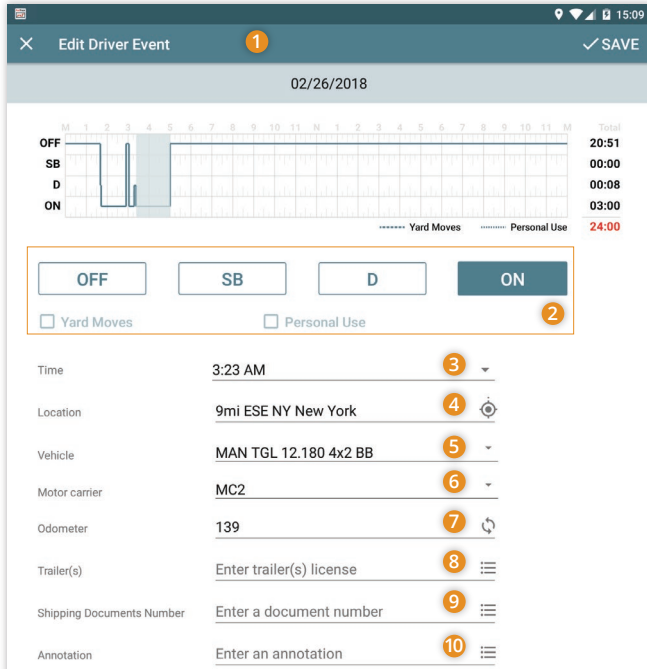
Note: use the indication arrows next to the date to switch to viewing logs for other days.

Find the required event in the list of events under the graph.

- Touch **"Show all events"** to display all ELD events.
- Touch the action button under the record.
- Select the item to **Edit**.

*Note: if you want to comment event without making corrections select **"Annotate"** item. In the opening dialog enter comments and touch **"Done"** button.*

*Note: To get the detail view for the event, select **"Record Details"** item from the menu.*



Edit Driver Event:

- 1 Touch **Save** to save corrections or **X** to cancel the changes.
- 2 Change the working status if it is not correct.
- 3 Edit the time of the event.
- 4 Point out the location/address. To get the current coordinates, touch
- 5 Change vehicle.
- 6 Change the carrier, if the driver account is setup to work with a number of carriers.
- 7 Edit the odometer data. Touch to get data from the PosiTrace server.
- 8 Enter the trailer's number if you have used it. Touch to view previously entered values.
- 9 Enumerate documents separated by the comma. Touch to view previously entered values
- 10 Add comments to the entered corrections.

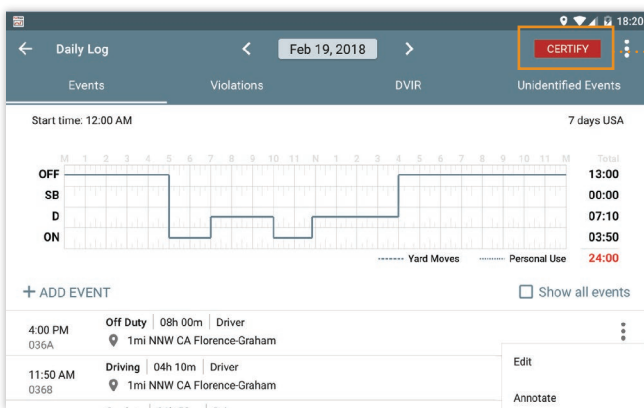
Day Certification

Date	On Duty	Violations	DVIR	Edit Requests	Status
Feb 20, 2018	00:53	None	1	None	-
Feb 19, 2018	11:00	1	2	None	Requires Certification
Feb 18, 2018	00:00	None	0	None	Certified
Feb 17, 2018	00:00	None	0	None	Certified
Feb 16, 2018	00:00	None	0	None	Certified
Feb 15, 2018	00:00	None	0	None	Certified

After the driver looked through the events for the day and is not going to enter changes, the driver may fix events for the day by certification.

Note: If Daily Logs correction, new events or comments have been added it should be certified once more.

To start certification, go to the daily logs list (Menu > Daily Logs) and select the day which should be certified.



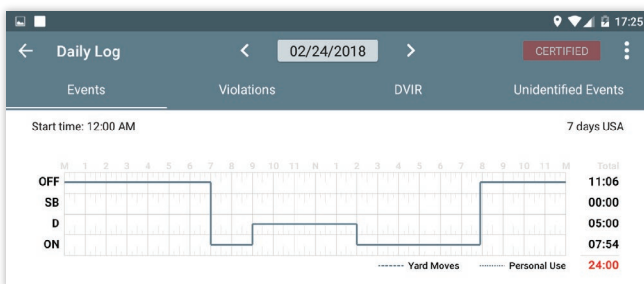
Make sure that all data for the selected day is correct.

Note: to switch between the days, use calendar at the top of the page

- Touch "CERTIFY" button.

Check that all entered data is correct.

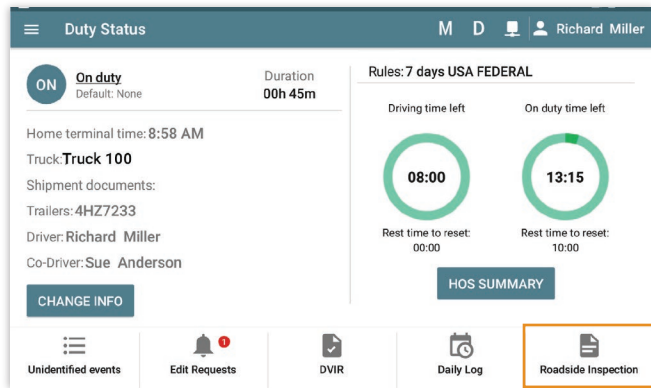
- Add comments if needed
- Touch **PREVIEW** to preview data on the screen in the printed form.
- Touch **AGREE** if you agree.
- Touch **NOT READY** if you need to stop certification and make corrections



CERTIFY button becomes inactive and changes to read "CERTIFIED".

Note: in the list of events there will be a record with the time of certification. It is the system record so it is visible only if "Show all events" filter is on.

14. ROADSIDE INSPECTIONS

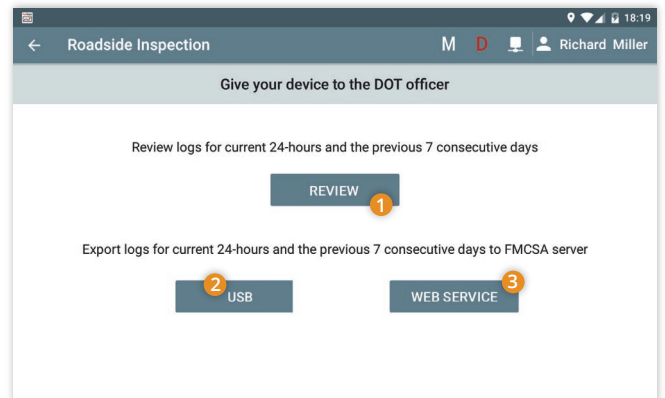


Go to the main screen and touch "Roadside Inspection".

Note: you can get this as well if you select "Menu" > "Roadside inspection"

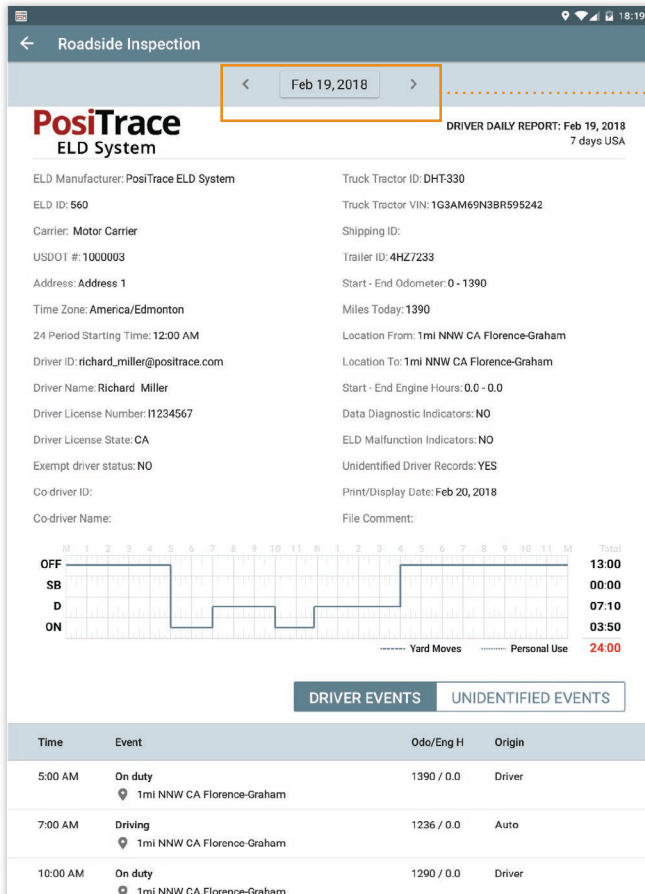
Select one of the options to transmit the data:

- 1 **Review:** displays the report in a suitable way on the tablet screen.
- 2 **USB:** saves the report to the inspector's USB drive.
- 3 **Web Service:** sends the report to the FMCSA server.



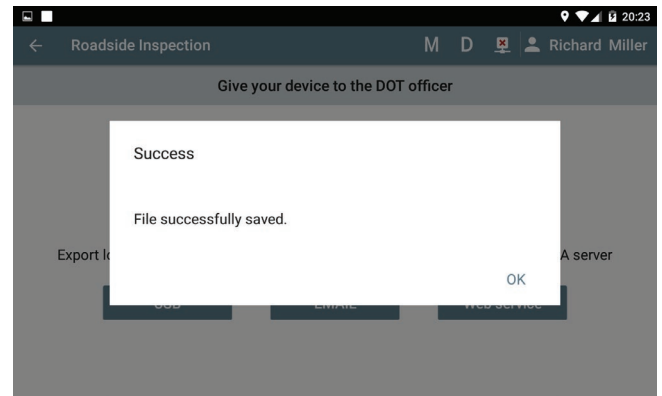
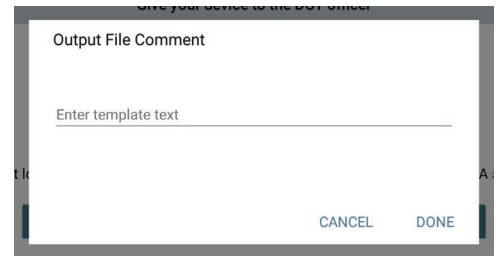
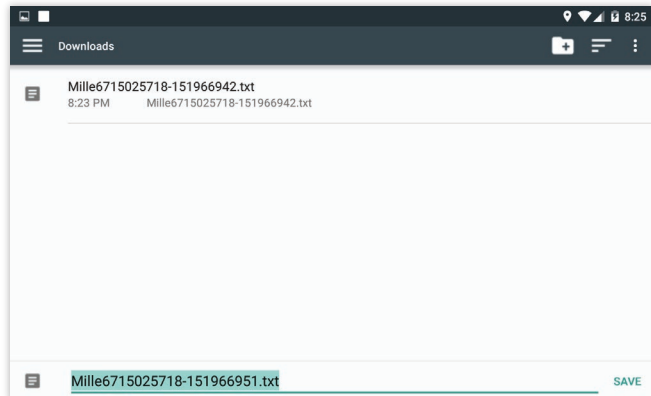
Preview

Use calendar buttons to change the dates.



Transfer report to a USB device

- Connect a USB driver to the tablet
- Select the option “USB”
- Enter comments to the reports. They will be displayed in the report file.
- Select USB driver on which to upload the file and touch SAVE.
- Finally the dialog will show the status of the operation.



Transfer report to FMSCA Web Service

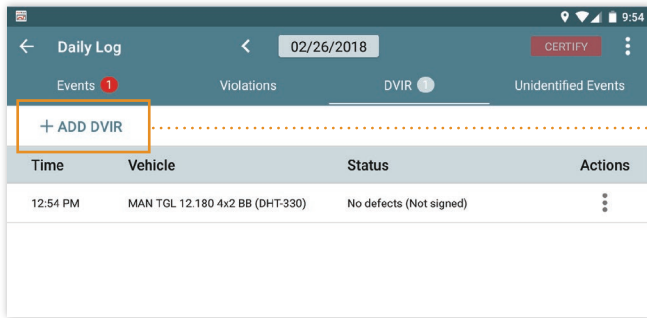
- Select the option “Web Service”.
- Enter comments to the reports. They will be displayed in the report file.
- Wait for the result of reports' submission.

Note: If there is no internet connection during the inspection to transfer the report to the FMCSA the officer may provide you with Bluetooth connection to the internet to enable you to send report.

To get internet connection do the following:

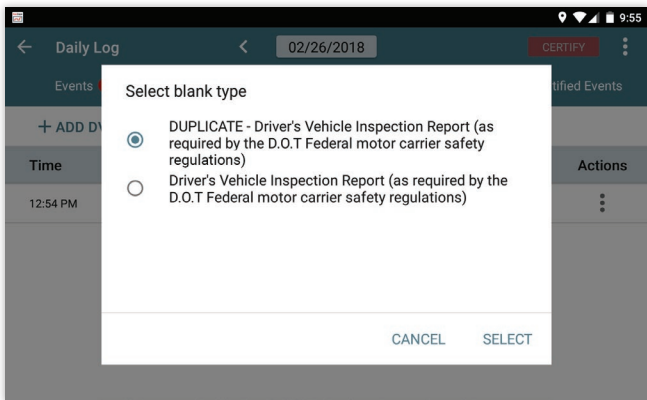
1. Open Android settings.
2. Enable Bluetooth support (if it was OFF).
3. Select in the list of available devices the device of the FMCSA officer.
4. Enter password, which should be provided by the FMCSA officer.
5. You should get an internet connection.

15. DVIR



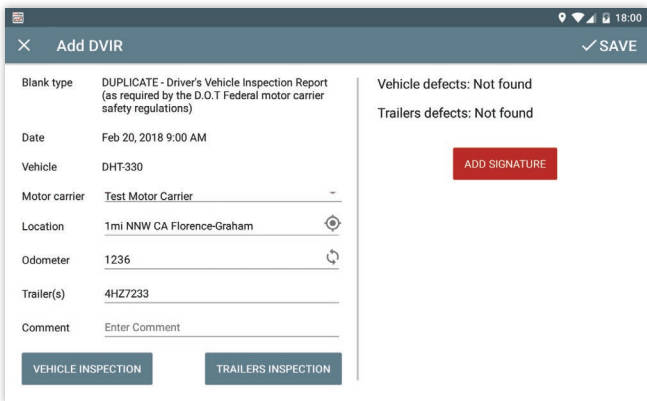
Go to the DVIR reports screen (Daily Log -> DVIR).

- Touch "ADD DVIR" to add a new report.



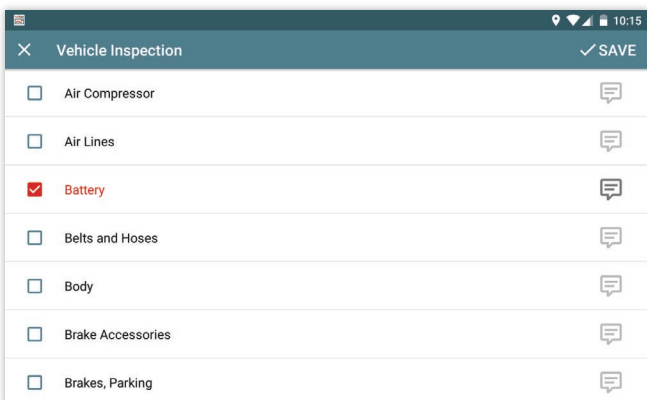
Select the type of report.

Note: the list of reports is setup by the carrier.



Add DVIR:

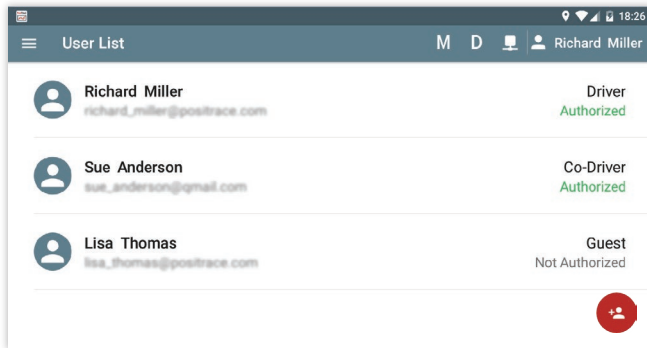
- Make sure the fields are correctly filled in the reports. Touch "VEHICLE INSPECTION" to create notes about vehicles
- Touch "TRAILER INSPECTION" to create notes about trailers
- After finishing inspection add signature by pressing "ADD SIGNATURE"
- Touch SAVE to save the report and send it to the carrier.



Check the found defects.


16. DRIVING (CO-DRIVER)

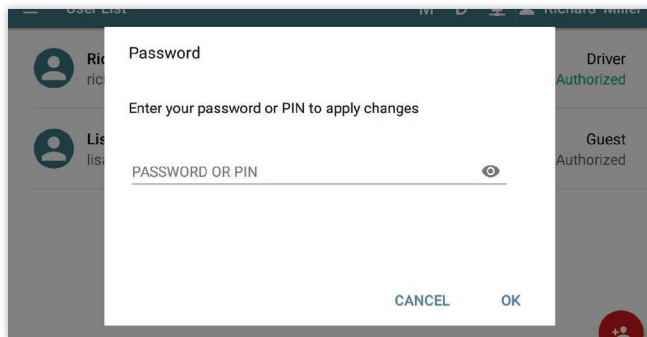
Adding Co-Driver



Go to the "Menu" -> "Switch User"

Select the driver

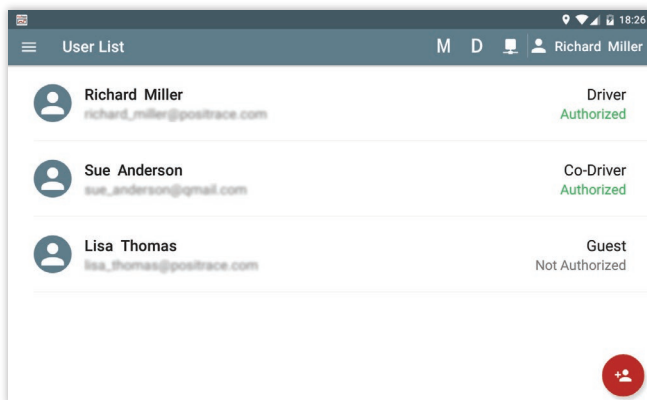
If the driver is not in the list, touch 



Select a new user role "Co-Driver" and touch "CONTINUE".

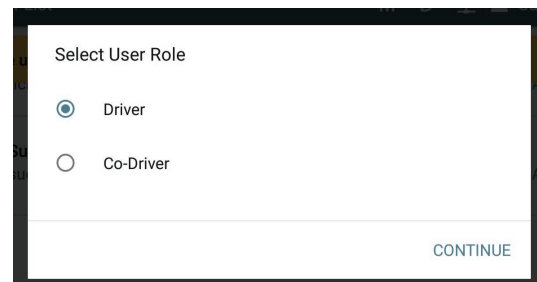
Note: At the same time only one driver and one co-driver can be registered in the App. The rest users will be assigned to the "Guest" role automatically.

Driver Change in App



Go to the **Menu** > **Switch User** and select the account record for the driver.

- Enter password/PIN code.
- Select the user role.



Note: the driving time will be recorded only for a user with Driver role.

Note: if the vehicle is in motion the Driver role can't be selected.

17. SETTINGS

The App settings enable you to configure the App to match your needs. To go to the App setting screen select **Menu > Settings**.

Setting	Description
Language	Select the App language.
Detect crossing a State boundary	Enable detection of border crossings. If the option is ON during crossing, the driver's screen will not be blocked.
Enable dark theme	Toggle the screen color scheme. <i>Note: Toggle the screen color scheme for day or night driving.</i>
Geonames data	Updating the address database.
Remark templates	Enables you to setup a list of frequently used comments, after which they become available in the App next to the comment editing field.
Time format	Change the time format.
Date format	Change the date format.
Speed threshold	Change the speed at which vehicle motion is detected.
Sound	Sound settings.
Sound -> Sound alert	Turn on a sound for when text alerts occur.
Sound -> Use system sound	Change the alert sound to the standard Android one.

18. ROADSIDE INSPECTION GUIDE

An authorized security officer may ask to provide entries for the current 24 hours and the previous 7 days. You can provide this information in the following ways.

Display on screen

1. Go to the main screen and touch "Roadside Inspection".
2. Touch "REVIEW".
3. A screen will appear with the driver's events in accordance with the requirements of the ELD.

Sending to USB

1. Connect the USB device to the tablet.
2. Go to the main application screen and click on "Roadside Inspection".
3. Select the method of sending - "USB".
4. Enter a comment to the report file, in the dialog that appears, and click "DONE".
5. Select from the provided USB list the device of the authorized security officer.
6. Click "Save".
7. Wait for the message of record finishing.
8. Remove the USB device from the tablet.

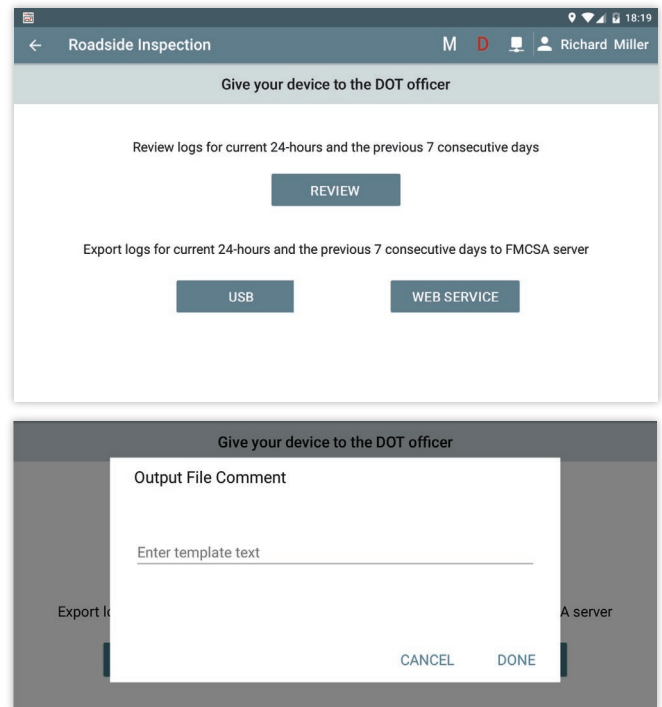
Sending to Web Service FMCSA

1. Go to the main App screen and click on "Roadside Inspection".
2. Select the method of sending - "WEB SERVICE".
3. Enter a comment to the report file, in the dialog that appears, and click "DONE".
4. Wait until the data transfer to the FMCSA service is completed.

If during the inspection you do not have access to the internet, an authorized security officer can provide you with internet access via a Bluetooth connection. You can then send the report to the FMCSA server.

To get internet connectivity do the following:

1. Open Android settings.
2. Enable Bluetooth support (if it was OFF).
3. Select in the list of available devices the device of the FMCSA officer.
 4. Enter password, which should be provided by the FMCSA officer.
5. You should get an internet connection to send the report using Web Service described above.



19. DRIVER'S QUICK TIPS

Main screen

The screenshot shows the 'Duty Status' main screen. Callouts include:

- Show the app menu**: Points to the hamburger menu icon in the top left.
- Malfunction indicator**: Points to the 'E' (Exempt) status indicator.
- Diagnostic of failure warnings**: Points to the 'M' (Malfunction) status indicator.
- CMV connection Indicator**: Points to the 'D' (Diagnostic) status indicator.
- Current user**: Points to the user name 'Richard Miller' in the top right.
- Current work status**: Points to the 'OFF' status indicator.
- Driving category**: Points to the 'Off Duty' category.
- Additional settings**: Points to the 'CHANGE INFO' button.
- View unidentified events**: Points to the 'Unidentified events' button in the bottom navigation bar.
- View edit requests**: Points to the 'Edit Requests' button in the bottom navigation bar.
- View DVIR reports for today**: Points to the 'DVIR' button in the bottom navigation bar.
- View current day event log**: Points to the 'Daily Log' button in the bottom navigation bar.
- Start the process of submitting the report to the FMCSA inspector**: Points to the 'Roadside Inspection' button in the bottom navigation bar.
- Available driving time**: Points to the green circular gauge showing '00:00'.
- Available working hours**: Points to the red circular gauge showing '-01:18'.
- Required rest time to reset the timer**: Points to the 'Rest time to reset: 05:17' text below the gauges.
- Touch to view HOS calculation**: Points to the 'HOS SUMMARY' button.
- Name of HOS rules**: Points to the text 'Rules: 7 days USA FEDERAL'.
- Duration**: Points to the '04h 42m' duration text.
- Home terminal time**: Points to the '6:00 AM' time.
- Truck**: Points to the 'MAN TGL 12.180 4x2 BB' text.
- Shipment documents**: Points to the 'Not set' text.
- Trailers**: Points to the 'Not set' text.
- Driver**: Points to the 'Richard Miller' text.
- Co-Driver**: Points to the 'Not set' text.

Change duty status

To change the duty status go to Main Screen, and click on the current duty status

The screenshot shows the 'Change Duty Status' dialog box. Callouts include:

- Cancel**: Points to the 'X' icon in the top left of the dialog.
- Duty statuses**: Points to the 'OFF', 'SB', 'D', and 'ON' buttons.
- Special driving categories**: Points to the 'Yard Moves' and 'Personal Use' checkboxes.
- Click to apply a new duty status**: Points to the 'CHANGE' button in the top right of the dialog.
- Date**: Points to the '02/27/2018 3:20 AM' text.
- Co-Driver**: Points to the 'Not set' text.
- Location**: Points to the '1mi CC3 CA Florence-Graham' text and location icon.
- Odometer**: Points to the '139' text and 'MI' unit.
- Comment**: Points to the 'Enter Comment' text and comment icon.

Daily log

To view the daily log, go to Main Screen > Daily Log

The screenshot shows the 'Daily Log' screen for February 19, 2018. It features a timeline graph showing driver status (OFF, SB, D, ON) and a list of events below. Callouts include:

- Click to view all days**: Points to the date navigation arrows.
- Go to the next day**: Points to the right arrow.
- Certify the day**: Points to the 'CERTIFY' button.
- Additional operations**: Points to the menu icon.
- View undefined events for this day**: Points to the 'Unidentified Events' tab.
- HOS rules assigned by the carrier**: Points to the '7 days USA' text.
- Calculation of working hours**: Points to the 'Total' column in the event list.
- Apply a filter to view all events for this day**: Points to the 'Show all events' checkbox.
- Click to view the list of actions for the selected event**: Points to the 'Edit' and 'Annotate' buttons.
- Click to add a missing event**: Points to the '+ ADD EVENT' button.
- Driver events**: Points to the event list items.
- View HOS violations**: Points to the 'Violations' tab.
- View DVIR reports**: Points to the 'DVIR' tab.
- Back button**: Points to the left arrow.

Create new DVIR

To create a report, go to Main Screen > DVIR > ADD DVIR

The screenshot shows the 'Add DVIR' form. Callouts include:

- Cancel**: Points to the 'X' button.
- Save the report**: Points to the 'SAVE' button.
- Detected defects (faults) while inspecting**: Points to the 'Vehicle defects' list (Belts and Hoses, Brake Accessories).
- Adding the driver's signature to the report**: Points to the 'ADD SIGNATURE' button.
- Click to start trailers inspection**: Points to the 'TRAILERS INSPECTION' button.
- Click to start vehicle inspection**: Points to the 'VEHICLE INSPECTION' button.



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