

Application Guidebook



For iOS Devices

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Log In/Log Out

Log in:

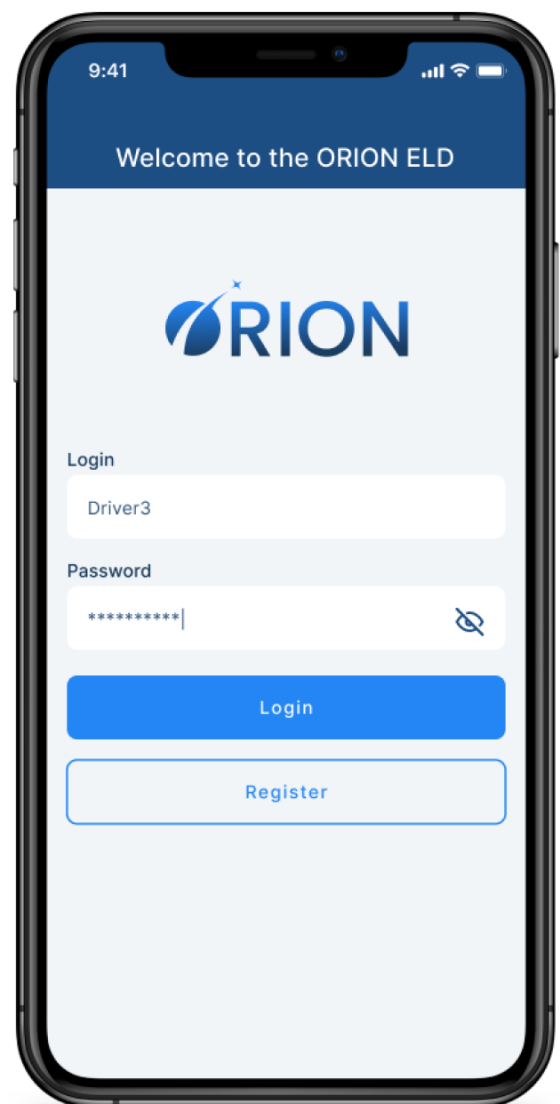
- 1 - Find Orion ELD in the Google Play Store for Android devices or in the App Store for Apple devices.
 - 2 - Tap the Install button and wait until the software is downloaded into your device.
 - 3 - Open the app and accept the permissions if asked.
 - 4 - Register a new account or log in with your personal User Login and User Password
- * If you don't know or don't remember your login data, please contact your fleet manager or motor carrier.

Log out:

- 1 - Check if the "Upload Queue" in the Settings Menu is empty.
 - 2 - Press the "Log out" button in the Menu and wait until the data will be transferred from your device.
- * For logging out a stable internet connection is required.

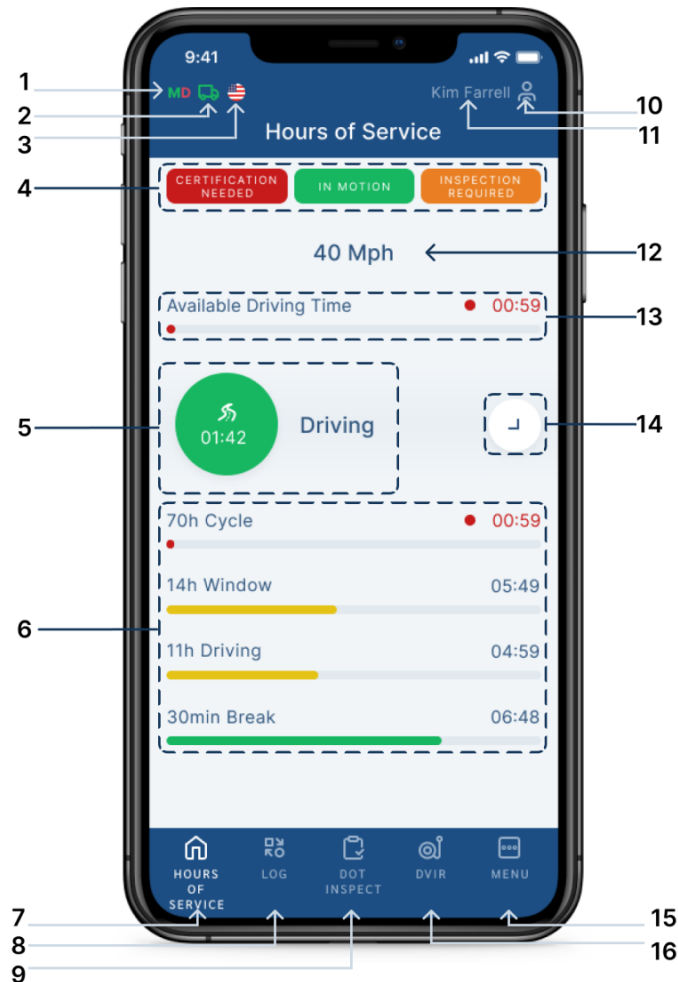
Warning!

To prevent unavoidable data loss do not use two or more devices simultaneously. Whenever you need to Log In from another device - please Log Out from the previous device.



Home Menu

Once you will Log In to the Orion ELD app, you will see the main “Hours of Service” screen with the following items:



- 1. Malfunctions and data diagnostics** icon shows if there are any issues with a unit or ELD.
- 2. Truck** icon shows track to PT30 connection.
- 3. Flag** icon shows the rules of which country you are following at the moment.
- 4. Notifications.**
- 5. Current status.**
- 6. HOS counter.**
- 7. HOS menu button.**
- 8. Log menu button.**

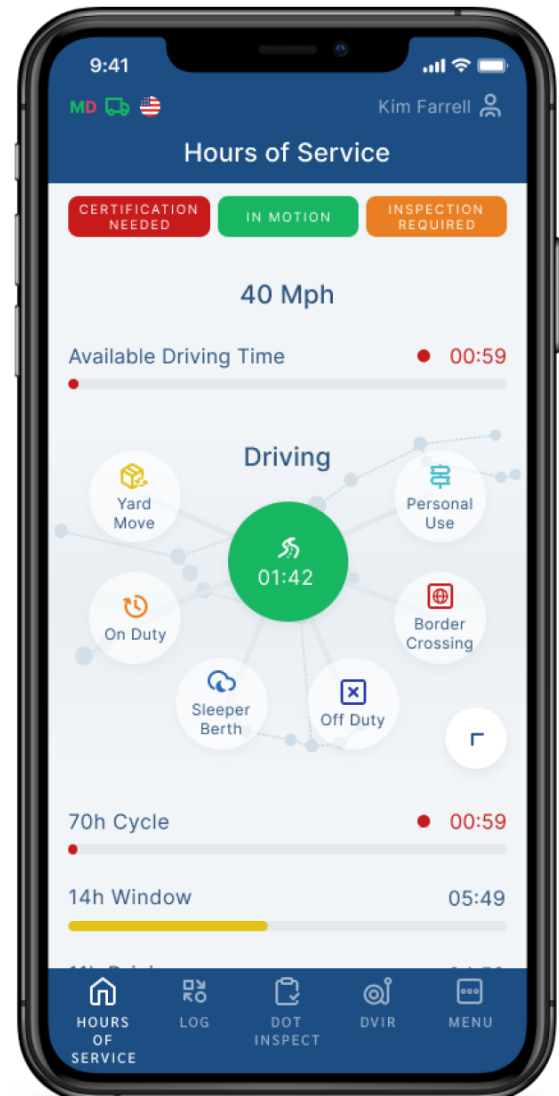
- 9. DOT inspection menu button.**
- 10. Co-driver** icon allows to switch a driver.
- 11. Name** icon shows the name of the driver whose working hours are counting at the moment.
- 12. Track speed.**
- 13. Available Driving time.**
- 14. Extended HOS Statuses menu** button.
- 15. Additional Menu** button.
- 16. DVIR** menu button.

Status Switch

In the Status Switch interface, drivers have the option of changing their status during a shift. The list of driver's statuses includes Driving, On Duty, Off Duty, Sleeping Berth, Border Crossing, Yard Move (Available only when the "Current Status" is On Duty), Personal Use (Available only when the "Current Status" is Off Duty).

Whenever the vehicle starts moving, the "Driving" status is automatically recorded. Status Switch interface will be activated if you stop driving and the ELD device recognizes it. After that, you can turn off the engine.

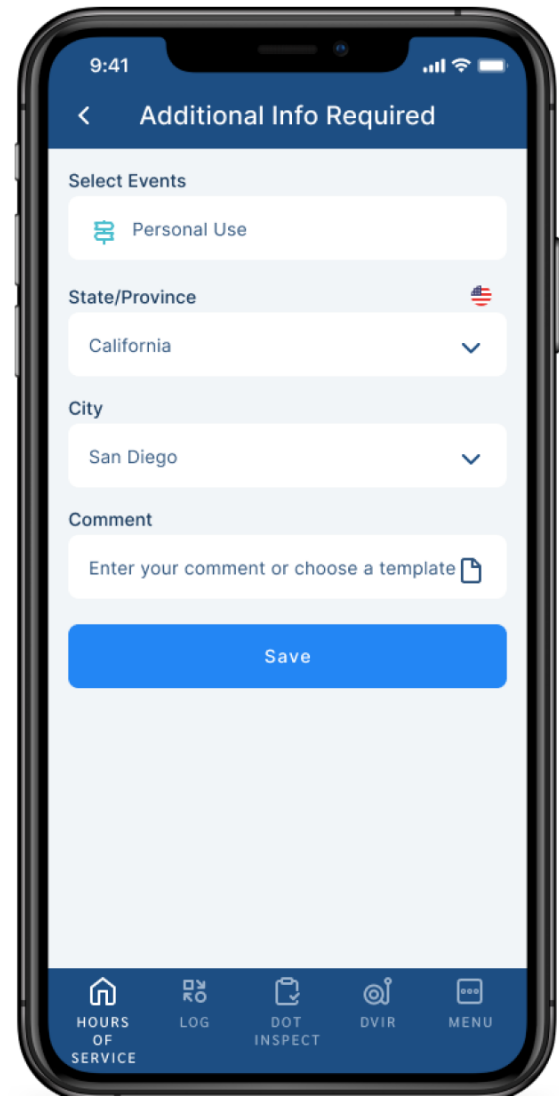
The ELD device should be able to recognize the end of the drive before the engine is turned off. Otherwise, your logs may be corrupted and you may remain in the 'Driving' status.



Personal Use

Availability of the “Personal Use” Status activation requires the “Off Duty” Status to be active already. Open the extended menu of HOS Statuses and select “Personal Use”, add the comment and click “Save”

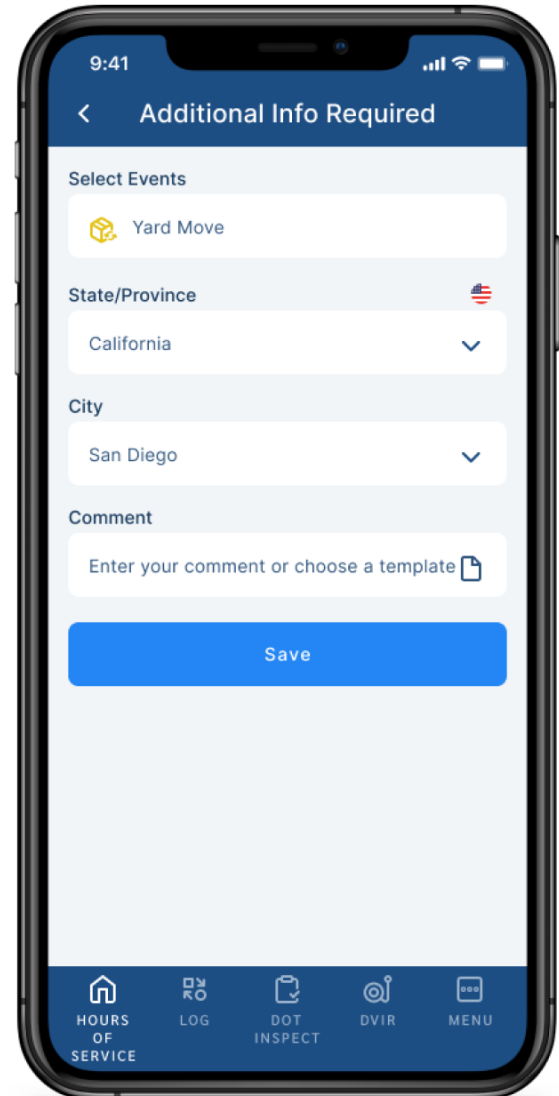
To finish the “Personal Use” Status you need to click on the “Clear” button, add the comment and click the “Save” button.



Status Switch

Availability of the “Yard Move” Status activation requires the “On Duty” Status to be active already. Open the extended menu of HOS Statuses and select “Yard Move”, add the comment and click “Save”

To finish the “Yard Move” Status you need to click on the “Clear” button, add the comment and click the “Save” button.



Logs

In the Log menu, you are able to view the details for a driver, a vehicle, and a carrier. There is a Log Graph displayed on the dashboard that shows the status changes and the hours of service of the driver throughout a shift. You can select a date from the calendar by clicking on it.

The Add Event button can be used to add missing events to the log. Using the Pencil button, you are able to edit events that exist in your log file.

According to FMCSA regulations, both adding and editing are legal. These are not for everyday use but rather for situations where data is entered incorrectly or by mistake.



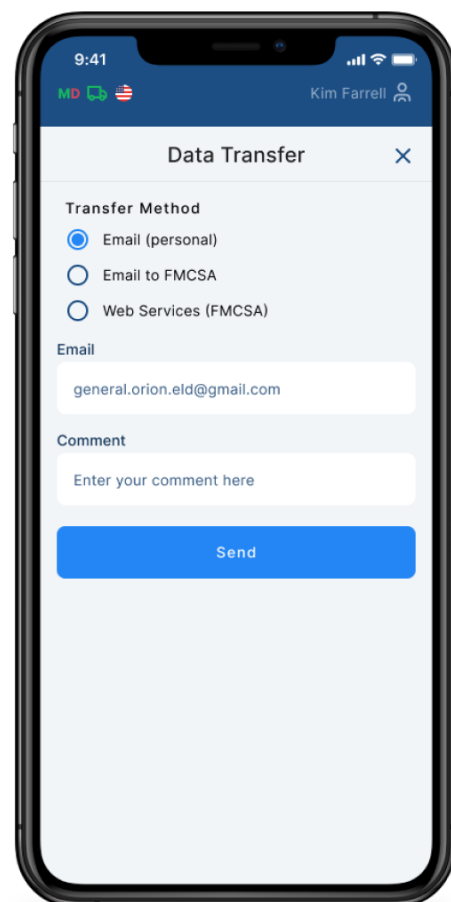
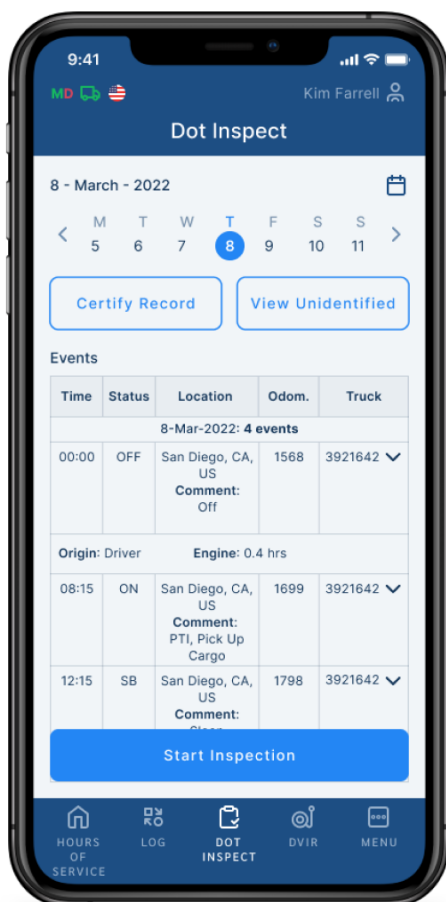
DOT Inspection & Data Transfer

The DOT Inspection menu provides summaries of all the collected data about the driver, truck, and trip. You may also use this menu to transfer the data to FMCSA during the DOT inspection, certify your logs, or view unidentified records.

Click on the “Start Inspection” button and check if your logs are ready to be transferred to the safety officials. If everything is OK, click the “Transfer Data” to Roadside Inspector button and choose the method of sending your logs:

- Send it to the personal email (provided by the inspector);
- Send it to the FMCSA email;
- Send it to the Web Services (FMCSA).

If you select “personal email”, you need to enter the recipient's address, add a comment. If you select “Web Services (FMCSA)” or “Email to FMCSA” you need to add a comment. The reporting period will vary depending on the rules of the country in which you operate.

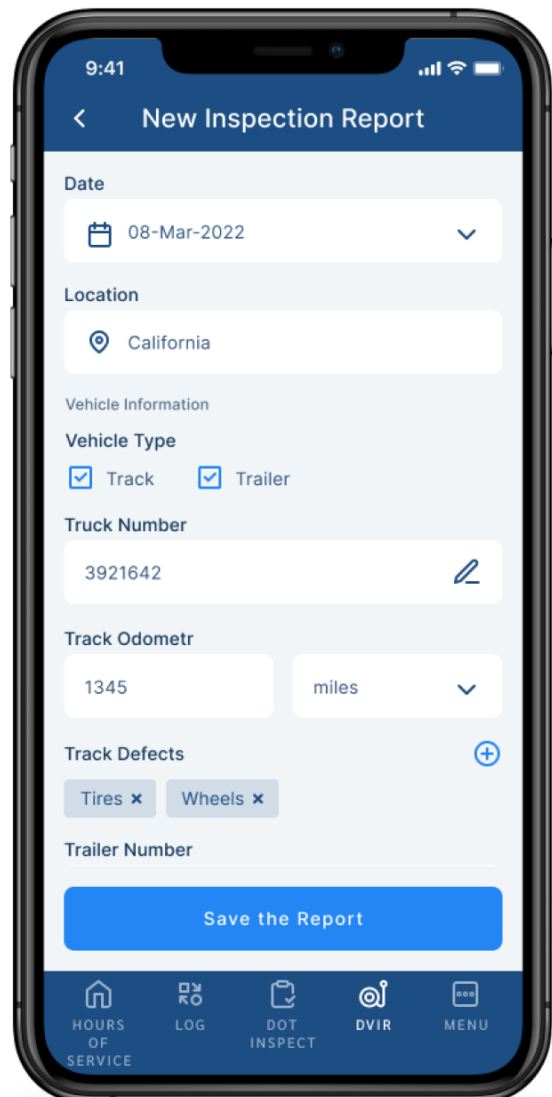
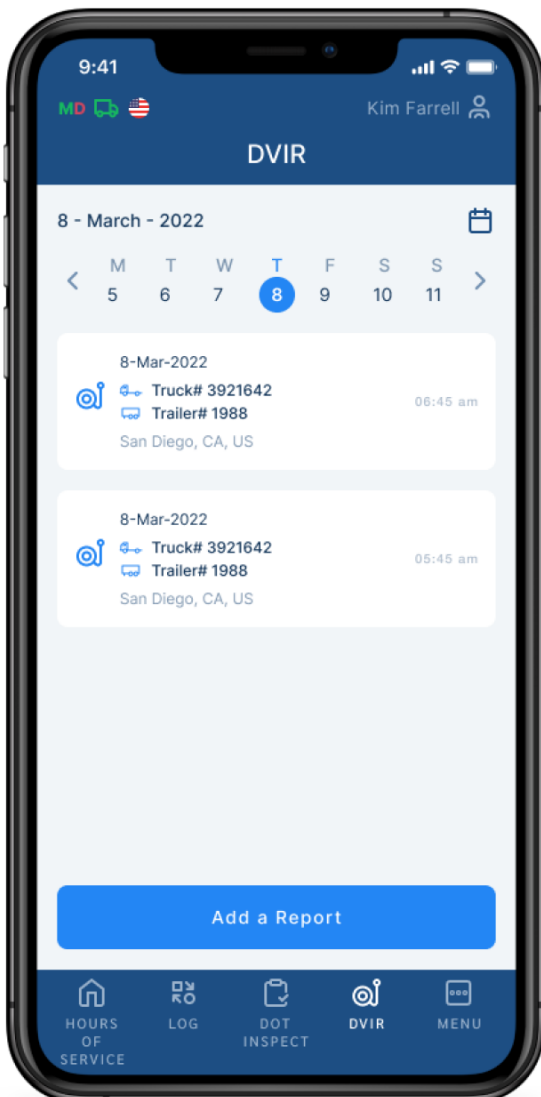


Driver Vehicle Inspection Report

To be in compliance with FMCSA regulations, every driver employed by a motor carrier is required to complete the "Driver Vehicle Inspection Report" (DVIR) on a daily basis as part of their daily duties.

The DVIR report can be completed by opening the "DVIR" menu and clicking on the "Add a Report" button. The reports that you have previously created will also be located in this section as well.

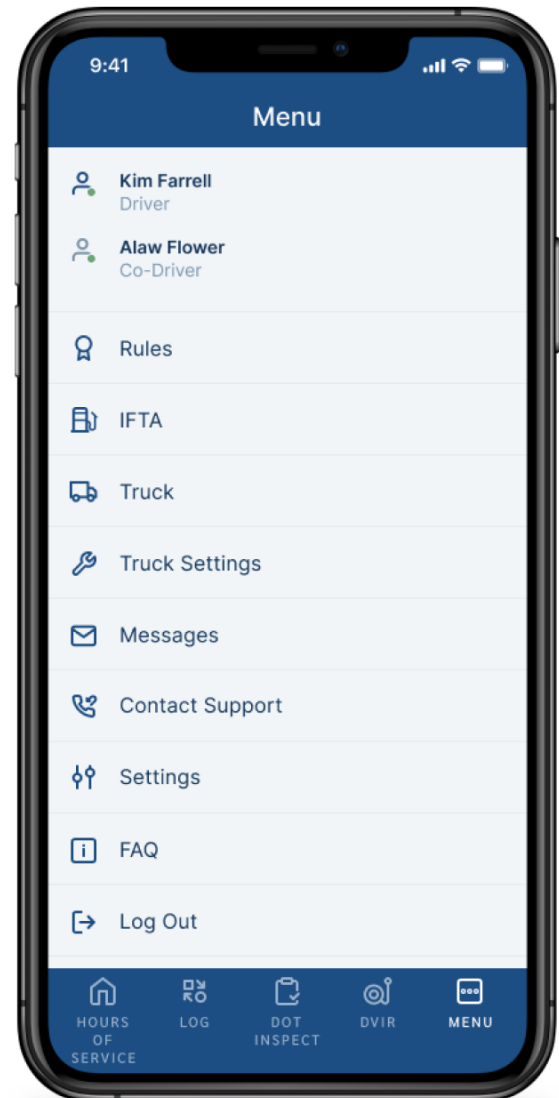
It is necessary for you to provide your location (downloaded automatically), select your truck or trailer, enter the truck and odometer number, and specify any defects that may exist with your truck or trailer. Please provide your comments regarding the safety of the vehicle you operate.



Additional Menu

To open the Additional Menu click “Additional Menu” Button in the App. Here you will find some options:

1. List of Drivers logged into the device
2. Rules. Here you can select and configure the HOS ruleset for the country in which you are operating.
3. IFTA. Allows managing your fuel purchases.
4. Truck. Allows to set and manage truck to ELD connection.
5. Truck Settings. Shows truck odometer data.
6. Messages. Keeps you in contact with other users from your Motor Carrier.
7. Contact Support. Opens a chat with the Orion ELD support team.
8. Settings. Contains general Application settings.
9. FAQ.
10. Log Out.



Team Driving

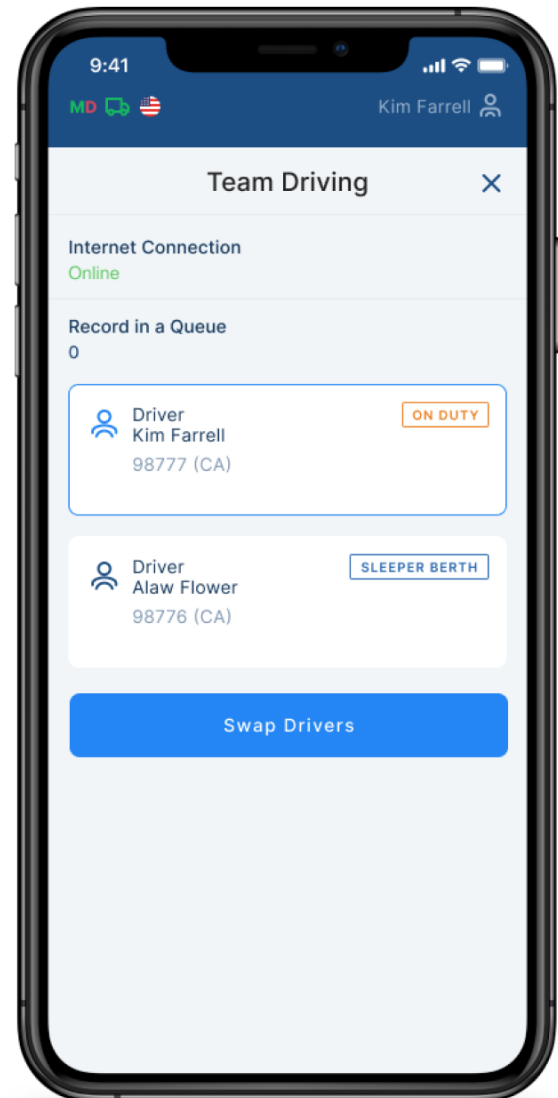
With the Orion ELD app, you will also be able to keep a track of your time and status as a team driver. It is necessary for all users to be logged into the same app at the same time in order to be able to use the same ELD Device.

It is necessary for the first driver to log into the system with their User Login and their User Password as explained in the "Log In / Log Out" section.

The second driver will be able to proceed by clicking the "Menu" button, then clicking on the "Co-driver" field, then entering the User Login and User Password into the Co-driver Login field.

By clicking on the Co-drivers icon, you will be able to switch between the two drivers' viewpoints once you have clicked on the button.

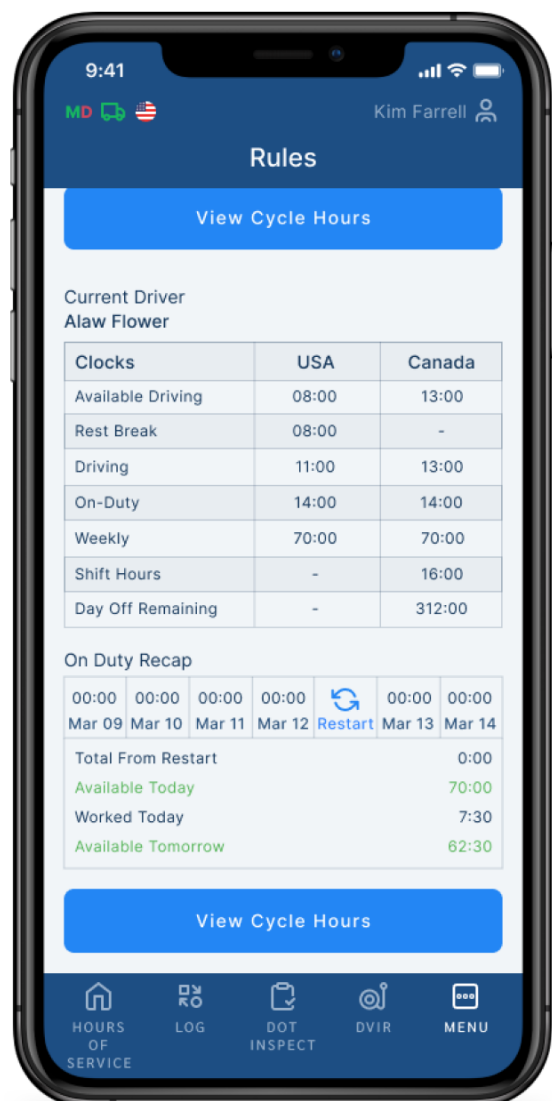
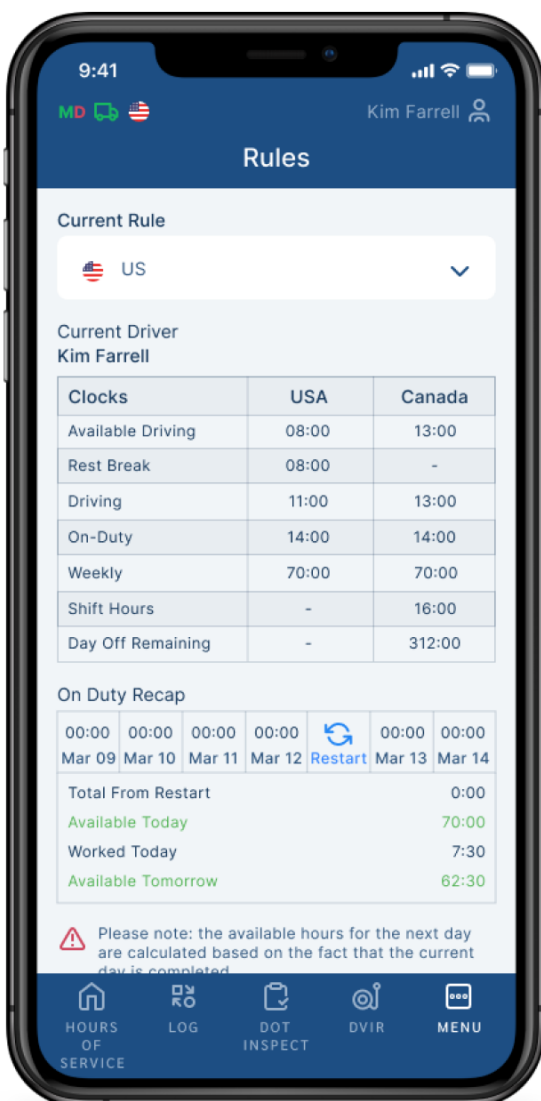
There is a possibility that you may experience unavoidable data loss if you use two or more devices simultaneously (whether they are single or team drivers).



Rules

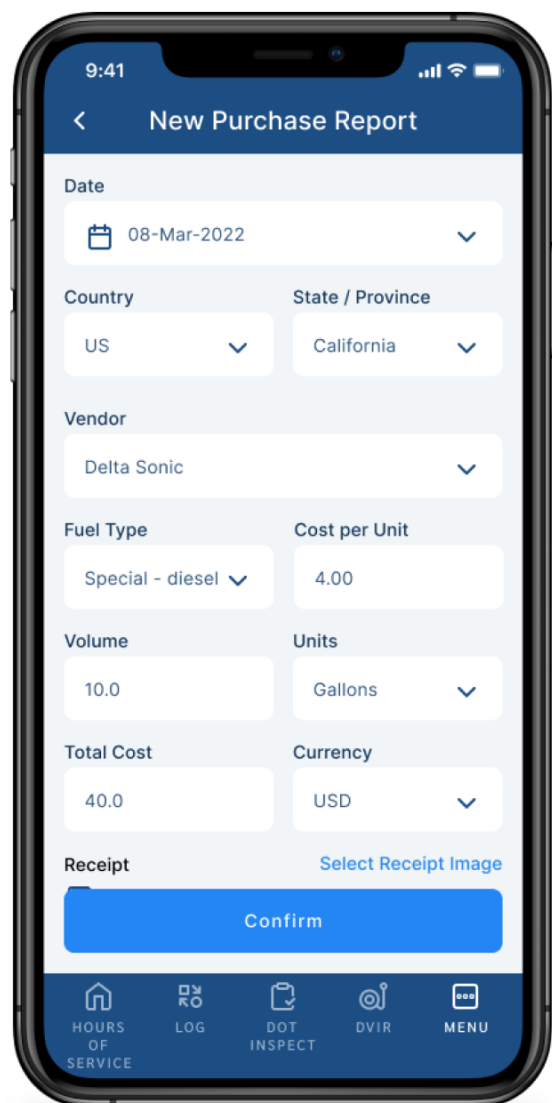
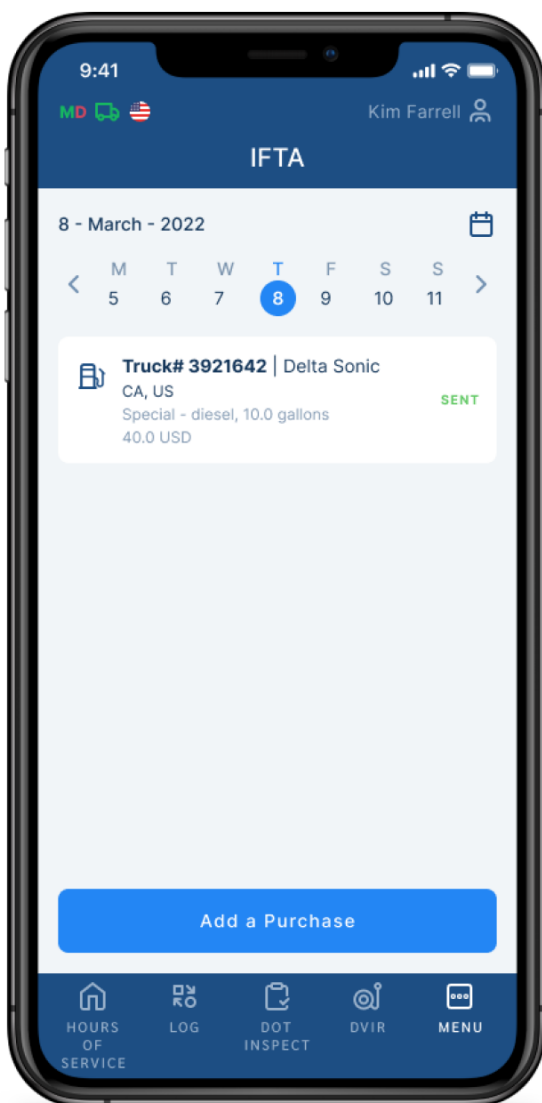
The "Rules" menu has information about the rules of your country, and you can also choose between the rules of the USA or Canada, depending on your location.

Additionally, it provides a schedule of your HOS time based on the ruleset that you choose.



Fuel Receipts & IFTA

Orion ELD allows fuel receipts to be stored with detailed information about their contents in order to make them easier to access in the future if there is a need for them. This option can also be used by motor carriers and drivers in order to keep track of the fuel purchased as well as the data that must be submitted for IFTA and IRP audits.

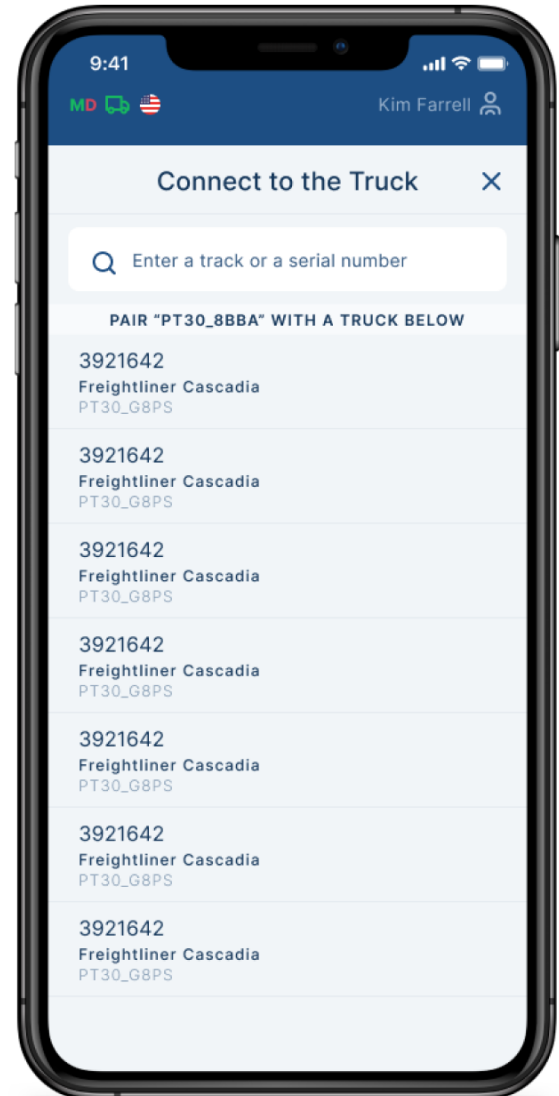


Vehicle connection

To connect the Orion ELD Application with your PT-30 ELD Device, the ELD Device needs to be correctly plugged into the truck according to the instruction described in Hardware Guide.

After the ELD Device is connected correctly - open the HOS Menu of the Orion ELD App and click on the Truck Icon on the top of the screen. Before the App will scan nearby trucks for available ELD Devices - the Bluetooth setting must be active on your Device. Select your truck using the proposed Truck numbers, or select your ELD Device by the Serial Number.

The same Truck icon with the Green color indicates that the connection is successful and ready for use. The Red Truck icon indicates that the connection was lost and needs to be re-established.



Malfunctions and Data Diagnostics

According to FMCSA requirements, each ELD device must monitor its compliance with the ELD technical standards and detect malfunctions and data diagnostics. The ELD output will identify these data diagnostic and malfunction events and their status as either "detected" or "cleared."

If there are any malfunctions or data diagnostic issues detected, the M/D icon at the top of the app screen will change its color from green to red. The red M letter will signal a malfunction, and the red D letter will indicate a data diagnostic.

According to FMCSA requirements (49 CFR § 395.34 ELD malfunctions and data diagnostic events), in the case of an ELD malfunction, a driver must do the following:

1. Note the malfunction of the ELD and provide written notice of the malfunction to the motor carrier within 24 hours.
2. Reconstruct the record of duty status for the current 24-hour period and the previous 7 consecutive days, and record the records of duty status on graph-grid paper logs that comply with §395.8, unless the driver already possesses the records or the records are retrievable from the ELD.
3. Continue to manually prepare a record of duty status in accordance with § 395.8 until the ELD is serviced and brought back into compliance with this subpart.

Note: If you are facing any issues during the DOT inspection, please be ready to provide the manually kept and filled RODS (records of duty status) to the roadside inspector.

Malfunctions and Data Diagnostics

Malfunctions:

Engine Synchronization — no connection to the Engine Control Module (ECM). Contact the motor carrier and arrange for the ECM link to be restored. Check and correct the logs if needed, and restart the engine after that.

Positioning Compliance — no valid GPS signal. Can be fixed automatically by restoring the GPS signal.

Data Recording Compliance — device's storage is full. Delete some unnecessary files from your smartphone or tablet to provide at least 5 MB of free space.

Unregistered Odometer Change — odometer readings changed when a vehicle was not moving. Recheck the odometer data in the app or contact the motor carrier.

Timing compliance — ELD provides an incorrect timeframe for the events. Contact the motor carrier or the Orion ELD Support Team.

Power compliance — occur when an ELD is not powered for an aggregated in-motion driving time of 30 minutes or more over a 24-hour period across all driver profiles. Can be fixed automatically when aggregated in-motion driving time will be less than 30 minutes in 24-hour period

Malfunctions and Data Diagnostics

Data diagnostic events:

Engine synchronization — ECM to ELD connection is lost. Contact the motor carrier and arrange for the ECM link to be restored.

Missing data elements — a temporary or permanent loss of the GPS/Internet connection or the ECM disconnection. Reconnect and reload the ELD device.

Unidentified driving records — unidentified driving lasts more than 30 minutes. Manage unidentified events until their duration drops to 15 minutes or less during a 24-hour period.

Data transfer — driving data cannot be transferred to the FMCSA server. Contact the motor carrier or the Orion ELD Support Team.

Power data diagnostic — The Engine was started while the device was off, and the ELD took more than 60 seconds to power up after turning the engine on. Can be fixed automatically once ELD is turned on or contact the motor carrier.

If you still have any questions regarding **ELD Malfunctions** or **Data Diagnostics**, please contact the Orion ELD Customer Service Team via: phone: **+1 334 245 54 42** or email: **general.orion.eld@gmail.com**