ZENITH

iOS User Guide

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Introduction

Rely on the Zenith app to elevate the quality of your work!

To address customer needs, our team has developed the Zenith application, a versatile mobile e-log designed to enhance your work efficiency.

When used with the PT30 ELD, the app displays engine diagnostics, driver status changes, GPS tracking, and more to create a safer and more productive work environment.

It also enables drivers to log their Hours of Service (HOS), complete DVIR reports, pass DOT checks, and share data with safety officers for FMCSA compliance at an affordable cost.
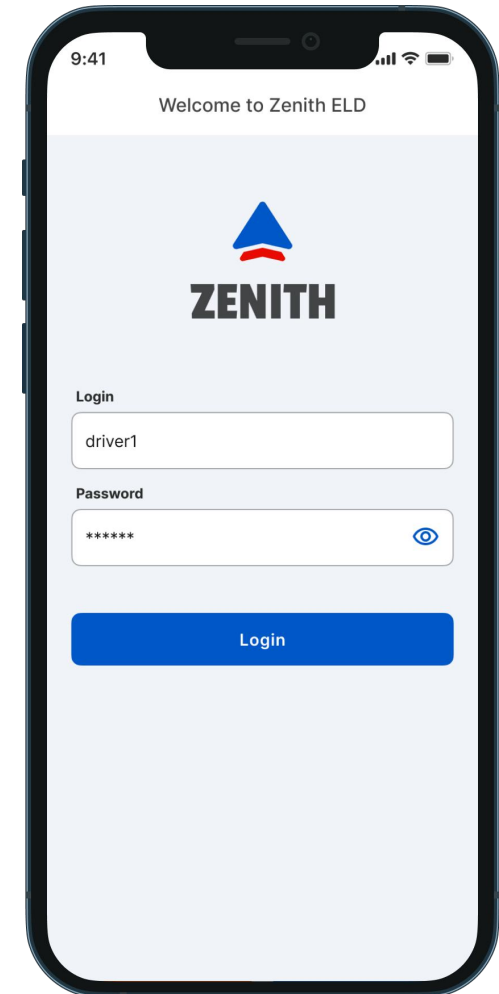
ZENITH

Log In \ Log Out

The Zenith application can be found in the Apple App Store on your iOS device. Tap the **Install** button and wait for the app to download. Then, make sure to accept the permissions the application requests for the correct work.

To use the Zenith app, you'll need to register a new account or sign in with your User Login and Password if you already have an account with us. For your convenience, you can also use Face ID/Touch ID for quick and secure access.

Your User Login and User Password are unique to you and created during registration on our website. Please contact your Motor Carrier or Fleet Manager if you need help with your login information.

When logging out of the Zenith application, ensure that the Upload Queue in the **Settings** menu is empty. If not, check your internet connection and wait for all data to be transferred before logging out.

Remember, if you want to use the application on a different device, it's crucial to log out of the app on your current device. Logging into two different devices simultaneously can lead to data loss, so please log out before switching devices.

Home Menu

In the Zenith application, you will see the main **Hours of Service** screen with the following items:

1. **Additional Menu** icon.
2. **Truck** icon shows track to PT30 connection.
3. **Malfunctions and data inconsistencies** icon shows if there are any issues with a unit or ELD.
4. **Flag** icon shows the rules of which country you are following at the moment.

5. **Name** icon shows the name of the driver whose working hours are counting at the moment.
6. **Notifications**.
7. **Status switcher**.
8. **HOS counter.**
9. **HOS menu.**
10. **Log menu.**
11. **Rules menu**
12. **DOT Inspection menu.**
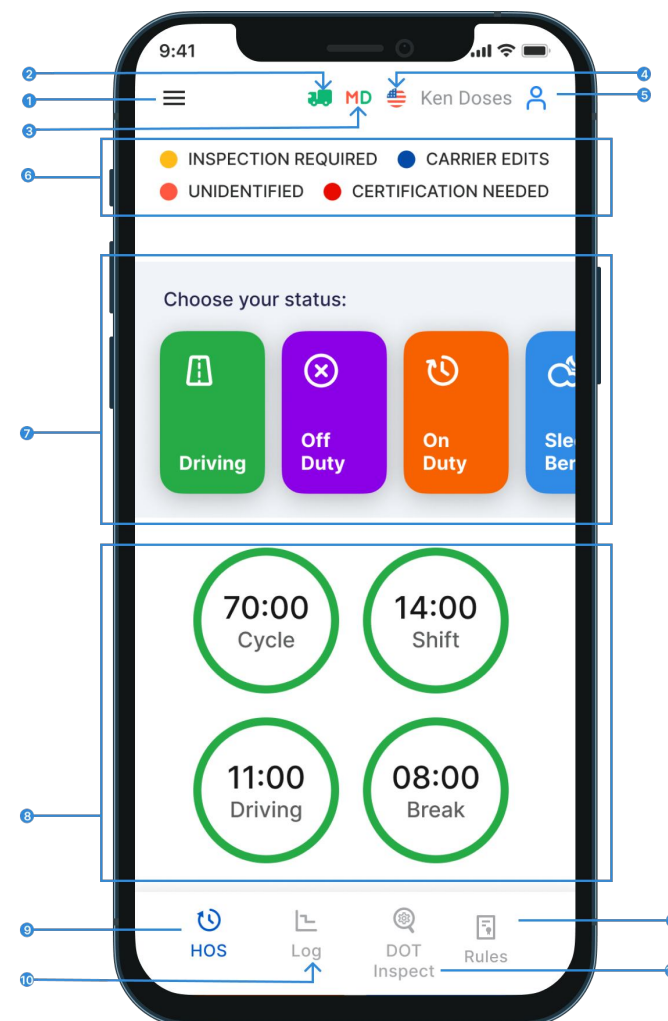
Connecting to the Truck

Please ensure your ELD device is correctly plugged into your truck, as explained in the "Hardware Manual," before you connect your Zenith Application.

Once the ELD Device is connected correctly, you will need to turn on Bluetooth, open the app, and tap on the Truck icon on the Home Screen. Using the app, all nearby trucks will be scanned for ELD presence, and a list will be generated. You can set up the connection with one tap by selecting your vehicle and ELD by serial number.

The Green Truck 🚚 icon at the top of the app screen indicates that the system is in ELD mode and the truck is connected. The Red Truck 🚚 icon indicates that a connection was lost and needs to be re-established.
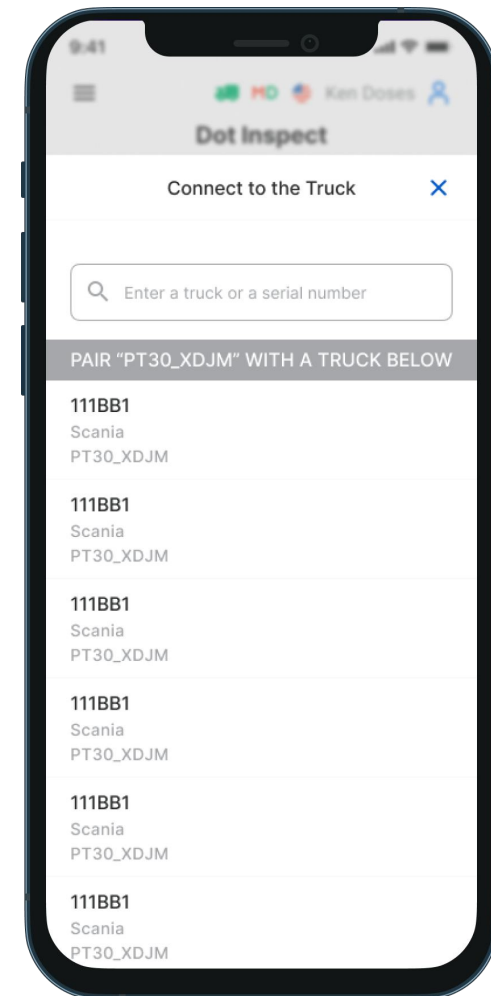
You can change your statuses during a shift using the Status Switch interface. Driver statuses include:

- **Driving**,
- **On Duty**,
- **Off Duty**,
- **Sleeping Berth**,
- **Border Crossing**,
- **Yard Move** (when your current status is On Duty),
- **Personal Use** (when your current status is Off Duty).

After a vehicle starts moving, it will automatically record the **Driving** status within 1-5 seconds. It is essential to wait for up to 10 seconds after stopping before turning off the engine. Once the ELD device recognizes the end of the Driving event and the **Status Switch** interface becomes active again, you can turn off the engine.

If you turn off the engine before the ELD device recognizes the end of the **Driving** event, the ELD device may get stuck in the **Driving** status, which can corrupt your log recordings. If this happens, turn on the engine again, wait for the **Driving** event to end, and change the status accordingly.

Manually added events like **Personal Use** and **Yard Move** can be entered by drivers along with comments, shipping documents, and trailers. Please note that you should enter the odometer data for manually added events.
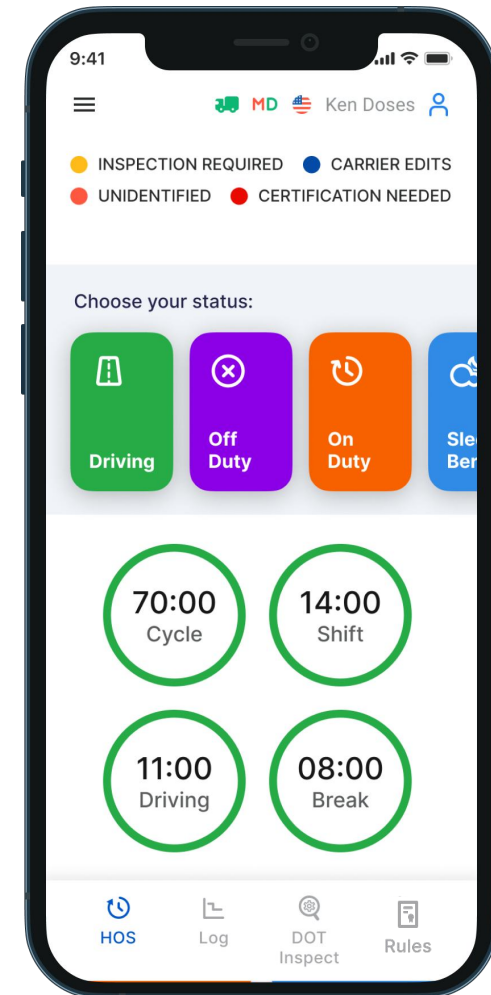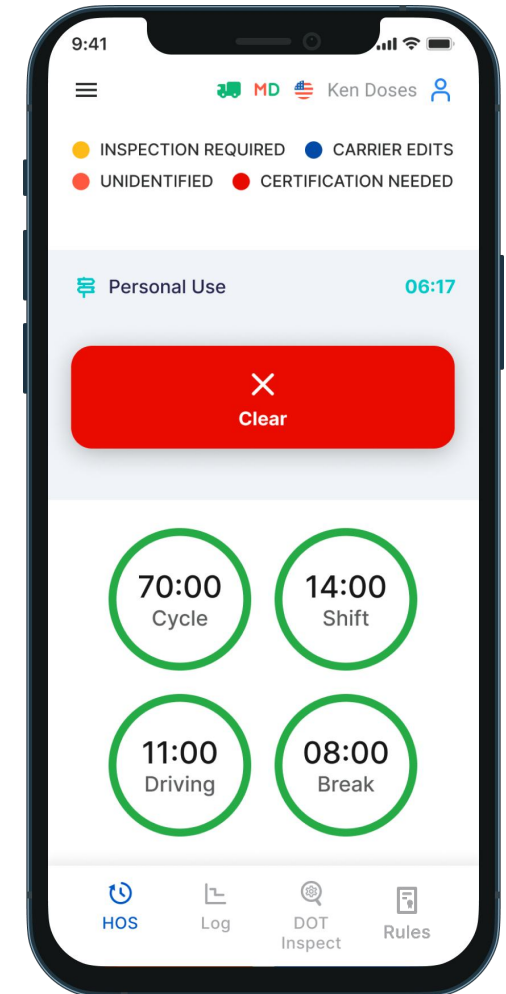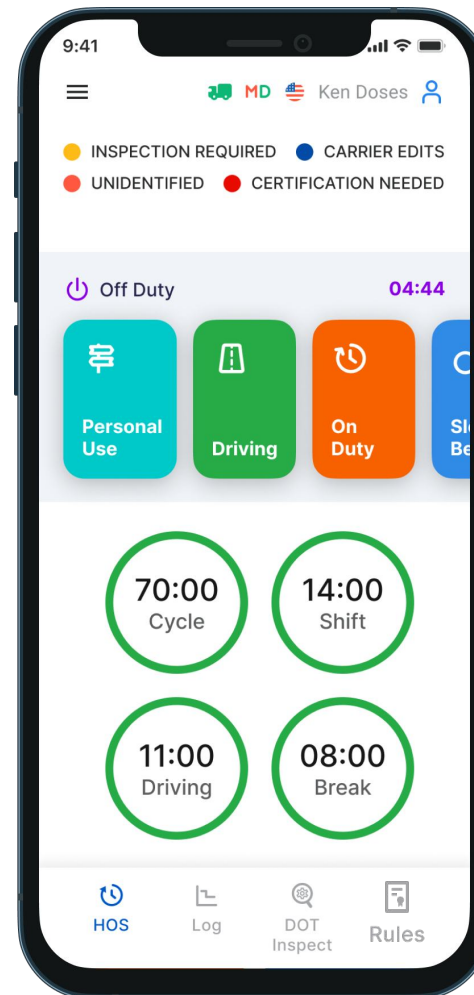
Personal Use \ Yard Move

To switch to **Personal Use** or **Yard Move** statuses:

1. Select **Off Duty** for **Personal Use** or **On Duty** for **Yard Move** in the **Status Switch** interface.
2. Add a comment in the provided field to indicate the status change.
3. Tap **Clear**, add a comment, and tap **Save** to finalize the status change.

Logbook Menu

To access the **Log** menu containing all the details about a driver, vehicle, and carrier, tap the **Log** menu on the bottom menu line. On this page, the Log graph visually represent a driver's status switches and hours of service during a shift.

You can switch between dates by clicking the respective date.

To add a missing event to your logs, tap **Insert Event**. You can edit existing events in your logs using the **Pencil** button.

FMCSA regulations allow for both editing and adding options. These options should not be used daily; they should only be used when data is entered incorrectly or by mistake.
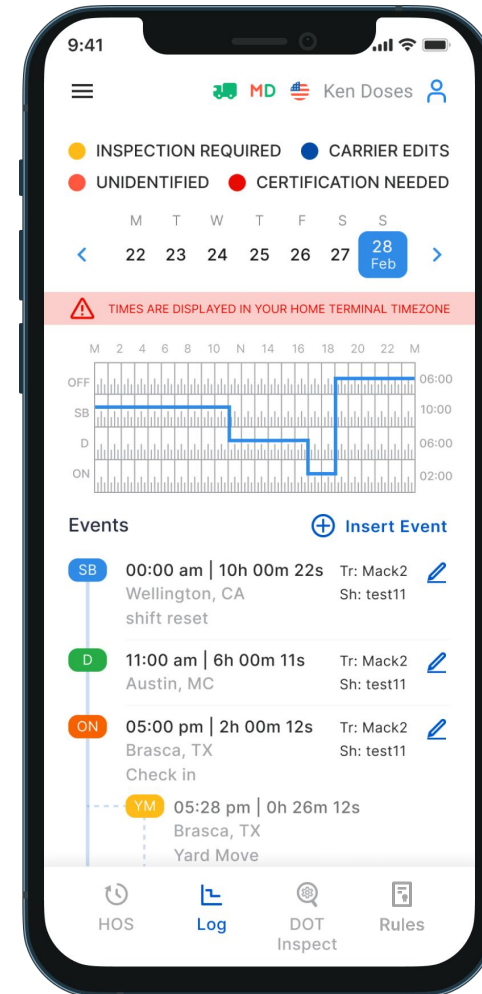
Team Driving

Team drivers can conveniently log their working hours and duty statuses using the Zenith app. Each driver using the same vehicle must be logged into the same app simultaneously on the same device, ensuring efficient coordination.

Please note that using more than one device simultaneously (for both single and team drivers) is prohibited, as this can result in unavoidable data loss.

As mentioned earlier, the first driver should log in to the app using their personal login and password. Then, the second driver can tap the **Additional Menu** button, select the **Co-Driver** field, and enter their login and password.

After logging in, both drivers can switch the viewing perspective to use the app using the **Co-Drivers** icon.
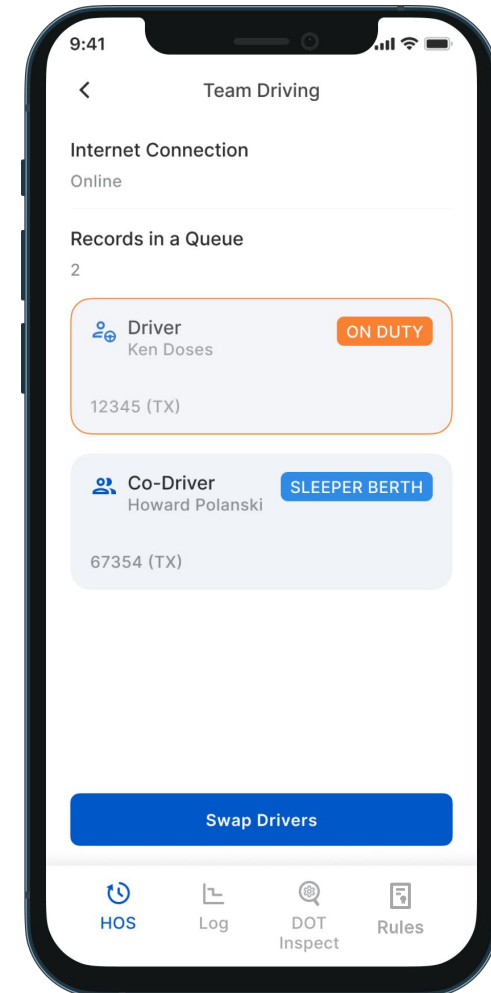
To access the extra configuration settings, click on the Additional Menu icon in the upper left corner of the application's screen. Here you will find some extra management options, including:

1. **Driver settings and personal info**: can be added or edited.
2. **HOS:** opens the main page where you can change your working statuses.
3. **DVIR:** Here, you can add new DVIR reports and manage the previously added ones..
4. **Truck**: allows you to set and manage the 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 Zenith support team.
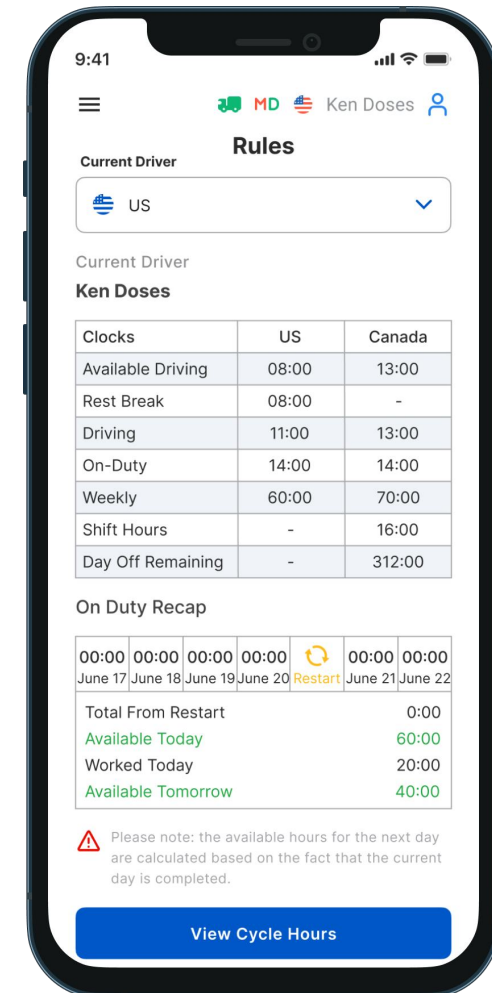8. **Settings**: contains general application settings.
9. **FAQ**.
10. **Log Out**.
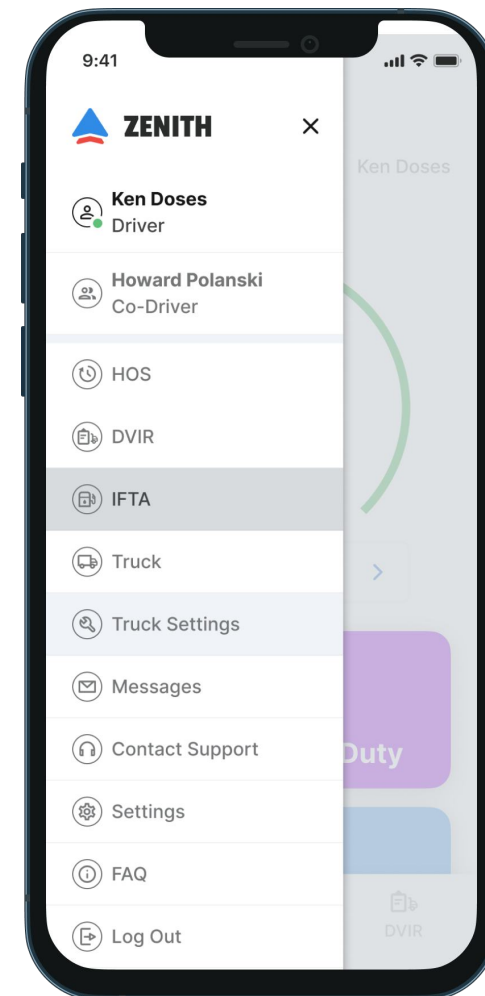
Rules Menu

If you want to review or modify the regulations in your current country, please access the Rules menu. The menu can be accessed from the **Buttom Menu**.

You can also view the HOS timing based on the selected regulations.

You can change the rule set from the USA to Canada or vice versa.

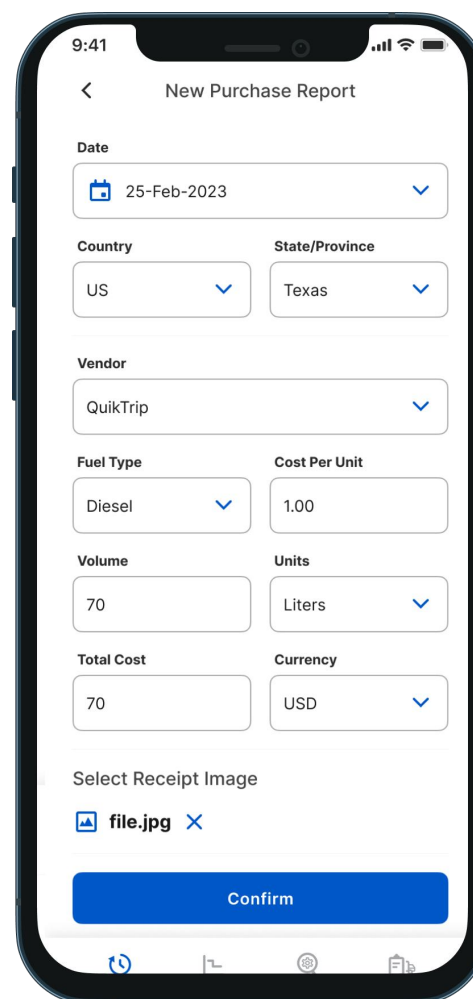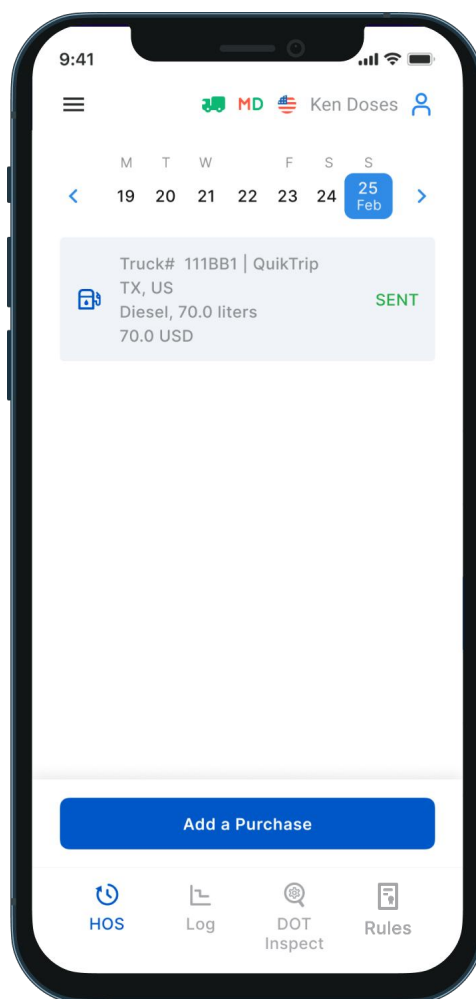# IFTA Menu

In the **IFTA** menu, Zenith's customers can add fuel receipts for their fuel purchases. The menu can be accessed from the **Additional Menu**.

This option allows drivers and fleet managers of motor carriers to keep track of the fuel they purchase for their fleet. It helps maintain vehicle records that IFTA and IRP can audit.

Settings Menu

The **Settings** menu gives you access to the application's settings. The menu can be accessed from the **Additional Menu**.

To view, modify, or update drivers' personal information, click on **Current driver** or **Co-driver** (if working together).

Customize the Zenith app by selecting a preferred distance unit, a graphical clock display, and additional options such as Regain Hours at Midnight and others.

In addition, you can update your signature, upload log files, change the theme for the app, check the version number, set up Touch ID or Face ID, log out, and more.
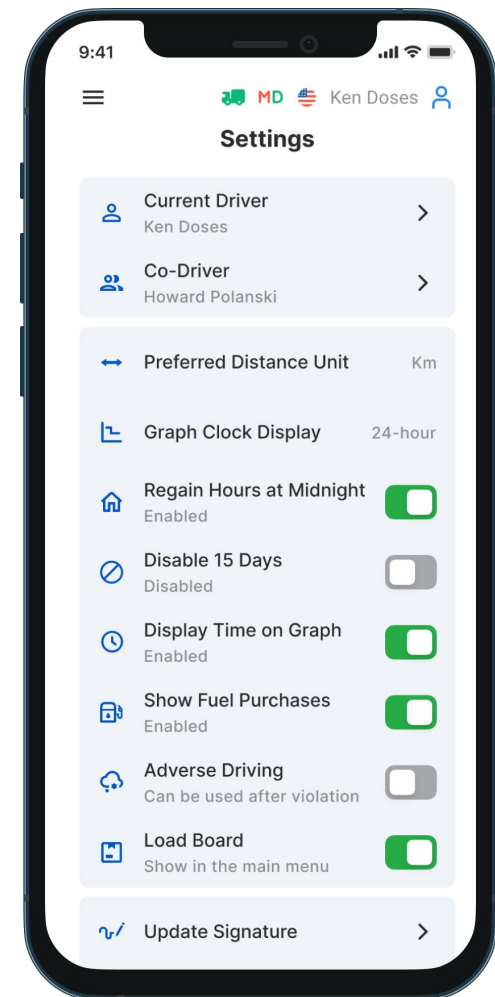
DVIR Menu

DVIR stands for Driver Vehicle Inspection Report. This is a formal report that commercial drivers must complete, documenting vehicle inspection before and after a trip. This inspection helps ensure the vehicle is in safe working condition and complies with regulations. DVIRs are part of the regulatory requirements set by the Federal Motor Carrier Safety Administration (FMCSA) in the United States.

To complete the report, click on the **DVIR** menu on the bottom menu line and then **Add a Report**. Previously created reports can also be found on the **DVIR** page.

When filling out the new DVIR report, it's important to provide accurate and honest information. You'll need to enter your location (which is downloaded automatically), choose your truck or trailer, enter the odometer reading of the truck and trailer, and specify any defects present in the truck and trailer. Most importantly, leave a comment indicating whether the vehicle you are operating is safe for driving.
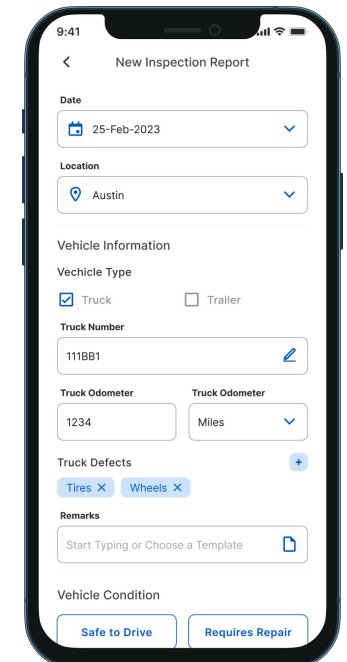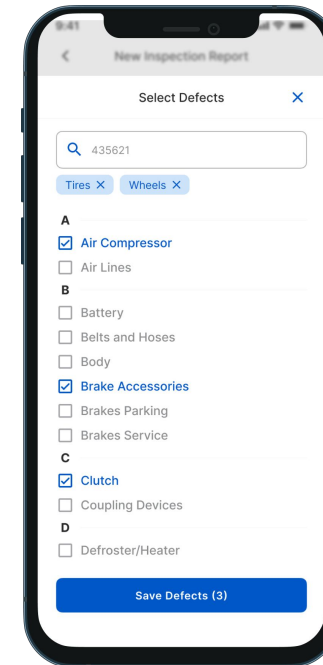
DOT Inspection

The **DOT Inspect** menu summarizes all collected driver, truck, and trip data. You can also use this menu to transfer data to the FMCSA during an inspection, certify your logs, or view unidentified records.

To begin, tap the **Start Inspection** button to check if your logs are ready for transfer to safety officials. If everything is in order, tap **Transfer Data** and choose one of the following methods to send your logs:

· Send to Personal Email
· Send to FMCSA Email
· Send via Web Services (FMCSA)

If you select Personal Email, you'll need to enter the recipient's email address and include a comment. A comment is also required if you choose Web Services (FMCSA) or FMCSA Email. The reporting period may vary based on the regulations of the country where you are operating.
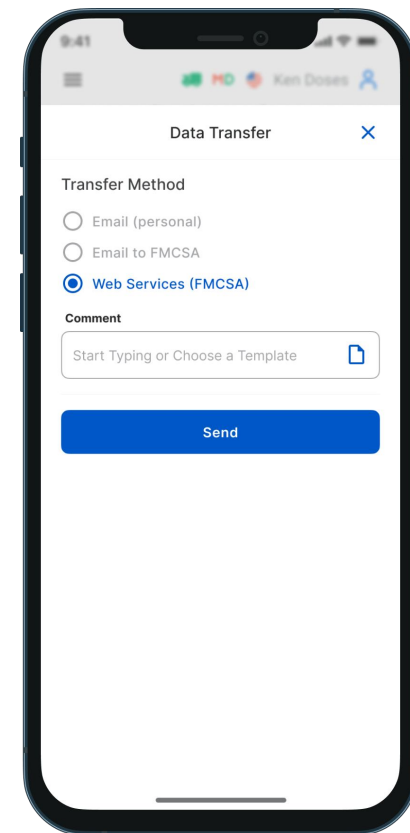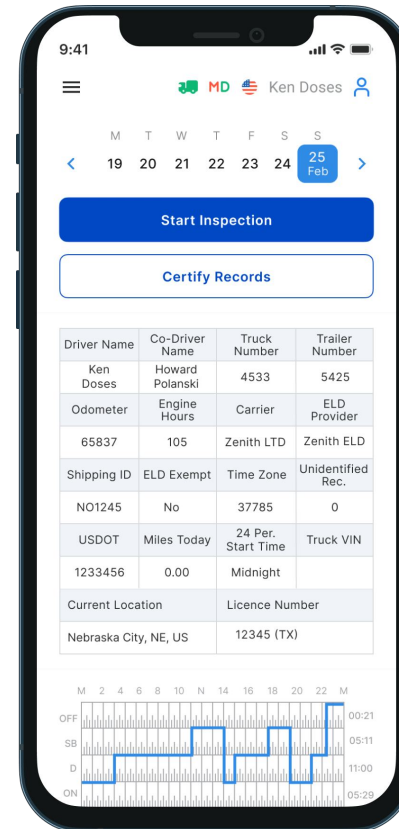
Malfunctions and Data Inconsistencies

The FMCSA ELD (Electronic Logging Device) technical standards outline specific requirements for detecting malfunctions and data inconsistencies to ensure the accuracy and reliability of driver logs. The ELD must be able to monitor its own compliance and alert drivers of any issues. The ELD output will identify these data diagnostic and malfunction events and their status as "detected" or "cleared."

When any malfunctions or data diagnostic issues are detected, the ELD provides clear visual indicators. The M/D icon at the top of the app screen will change from green to red, with the red M letter indicating a malfunction, and the red D letter indicating a data inconsistency. This straightforward system ensures that drivers can easily identify and respond to any issues.

According to FMCSA requirements (49 CFR § 395.34 ELD malfunctions and data diagnostic events), in the event of an ELD malfunction, a driver must:
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 by § 395.8 until the ELD is serviced and brought back into compliance with this subpart.

It's important to note that if you encounter any issues during the DOT inspection, you should be prepared to provide the manually kept and filled RODS (records of duty status) to the roadside inspector. This preparation will ensure a smooth inspection process and demonstrate your commitment to compliance.

Malfunctions

Engine Synchronization:
There is no connection to the Engine Control Module (ECM). Please contact the motor carrier to restore the ECM link. Check and correct the logs if necessary, and restart the engine afterward.

Positioning Compliance:
There is no valid GPS signal. This can be fixed automatically by restoring the GPS signal.

Data Recording Compliance:
The device's storage is full. Please delete unnecessary files from your smartphone or tablet to free up at least 5 MB of space.

Unregistered Odometer Change:
Odometer readings change when a vehicle is not moving. Please review the odometer data in the app or contact the motor carrier.

Timing Compliance:
The ELD provides an incorrect timeframe for the events. Please contact the motor carrier or the Zenith Support Team.

Power Compliance:
This occurs when an ELD is not powered for an aggregated in-motion driving time of 30 minutes or more over 24 hours across all driver profiles. This can be fixed automatically when the aggregated in-motion driving time is less than 30 minutes in a 24-hour period.

Data Diagnostic Events

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

Missing Data Elements:
This indicates a temporary or permanent loss of the GPS/Internet connection or the ECM disconnection. Reconnect and reload the ELD device.

Unidentified Driving Records:
The unidentified driving lasts more than 30 minutes. Manage unidentified events until their duration drops to 15 minutes or less during 24 hours.

Data Transfer:
Driving data cannot be transferred to the FMCSA server. In this case, it's best to contact the motor carrier or the Zenith's Support Team, who can provide further assistance in resolving this issue.

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. It 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 inconsistencies, please contact the Zenith Support Team via: phone: +1 (737) 277 99 93 or email: zenitheld@gmail.com.