TOP TRACKING SYSTEM

Android iOS

TOP TRACKING SYSTEM HOS PRO

Compliant with the Technical Standard for Electronic Logging Devices

Driver, Support Personnel and Back-Office Guide

ANDROID + IOS OPERATING SYSTEM

Version	Date	Author	Reviewer
1	09/18/2025		Maricel Palacio
2	11/05/2025		Maricel Palacio
3			
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Introduction

Welcome to the user manual for Chronos ELD. This application is designed to help commercial vehicle drivers log and track their hours of service, complying with electronic logging device (ELD) regulations. With Chronos ELD, you can automatically record your working hours, schedule rest periods, and maintain a complete history of your activities.

Key features:

- Automatic Hours of Service Logging: The app automatically captures you're working and rest hours.
- Vehicle Synchronization: Connect to the vehicle's ELD and transmit data in real-time.
- Alerts and Notifications: Receive notifications when you're approaching the limit of your service hours.

System Requirements:

Compatible Devices:

- **Android**: Version 8.0 or higher.
- **iOS**: Version 12.0 or higher.

Internet Connection: An internet connection is required to synchronize data and receive updates.

Bluetooth: The app uses Bluetooth to connect with the vehicle's ELD.

Required Permissions:

- **Location**: To log the locations of your trips.
- **Bluetooth**: To connect to the vehicle's ELD.
- **Storage**: To save your hours logs.

Configuring the ELD before operation

Please review this chapter prior to using the ELD! Ensure that you have received all necessary components, verify that your account has been created, and confirm that you have access to the ELD online portal.

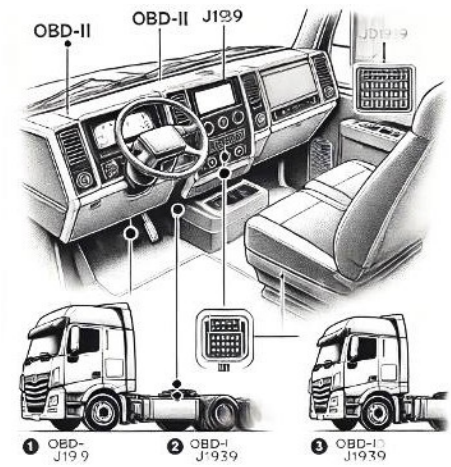
To save time later, we suggest printing a copy of this document and storing it in the cab. This document includes essential information for the proper operation of your ELD, along with a list of potential malfunctions and their solutions. It's also advisable to note the ECM device's identifier (shown below) in a separate place in case you misplace this document. In certain cases, this manual uses Icon Keys to highlight specific and important information. Refer to the various icons on the left.

What you need before operating the ELD?

- Ensure you have all the required components.
- Confirm your account has been created.
- Verify that you have access to the ELD online portal.
- Print and keep a copy of the user manual in the cab for quick reference.
- Record the ECM device's identifier in a separate location.
- Familiarize yourself with the Icon Keys used in the manual for important information.

Your mobile device (where the ELD app is active) must have Bluetooth turned on and be connected to the internet, either through a cellular data plan or by connecting to a hotspot.

Installing the ECM device:



Connect the ECM device to the vehicle's diagnostic port. In some cases, you may need to use the ECM adapter to connect the device to the J1939 port. Find the diagnostic port (refer to the image below for possible locations based on the vehicle's make, model, and year).

Here is the illustration depicting the step-by-step process for connecting an ECM device to a vehicle's diagnostic port.

<< To ensure the ELD remains compliant, it must stay connected to the ECM device and continuously read engine data. Engine data is only accessible when the vehicle's engine is running. >>

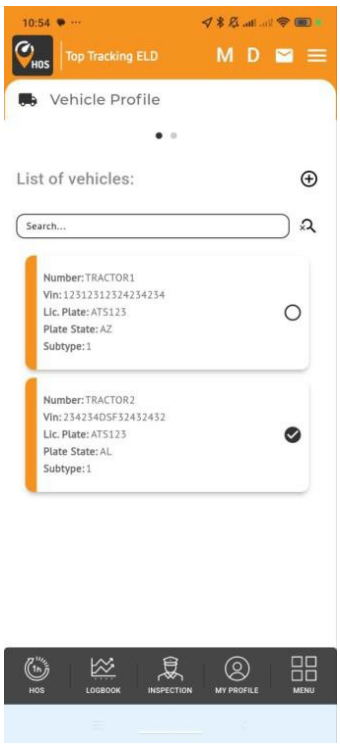
Local Support Account (initial ELD configuration)

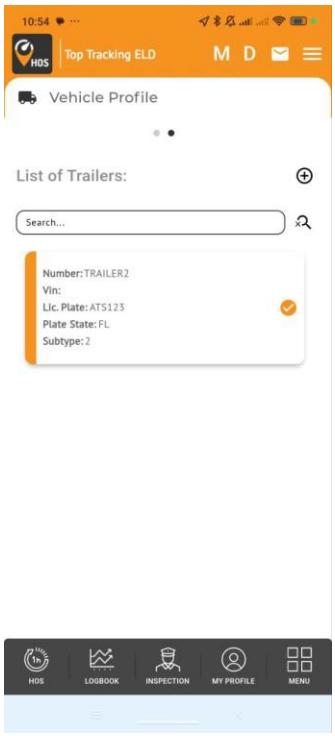
The initial setup is required only once, immediately after installing the ELD app for the first time. After that, it is no longer necessary. The purpose of this process is to set up a vehicle profile (including the tractor number and VIN) and establish/test the connection with the ECM device.

Each driver will have a username and password to access and configure their application.

Configuring the ELD with the right asset

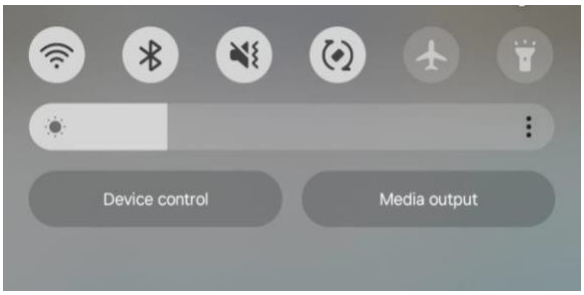
The ELD must be associated with a carrier asset (vehicle). Tap on the truck or trailer icon to select an asset from the list downloaded during login (as shown below) or manually add a new truck or trailer, if permitted. When selecting a tractor or trailer from the downloaded list, the ELD will automatically use the VIN number, license plate, and registration state provided in the list.





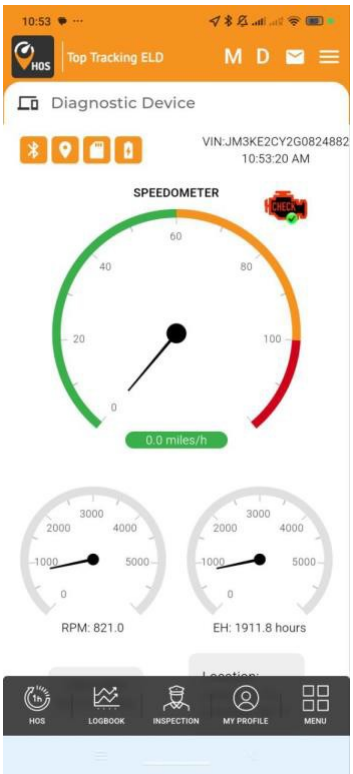
Establishing ECM Connection

To operate an ELD, it must first be synchronized with the vehicle's engine using an Engine Synchronization Module (ECM), a feature commonly integrated into GPS trackers. Before scanning and connecting to the ECM device, ensure that Bluetooth is enabled on your ELD.



We strongly suggest placing a label or decal on the vehicle's dashboard that displays the ECM device ID installed in the vehicle. Additionally, be sure to note down this ECM ID for reference.

To connect to the ECM device, tap on **Scan Devices** and wait for the device to appear. Ensure that the correct ECM ID is displayed before proceeding

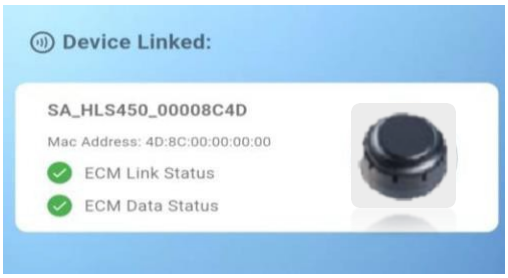


For the ECM device to function correctly and allow the ELD to connect and read engine data, the vehicle's engine must be turned on. Keep this in mind when operating the ELD.

For example, duty status changes require engine parameters to be recorded. Ensure the engine remains running while making these changes.

- In certain configurations, the ELD may be locked to a specific ECM device. In such cases, the Scan Devices screen will not appear, and the ELD will automatically perform a diagnostic.

- A diagnostic is conducted to ensure that the ELD is fully compliant and prepared for driver operation.

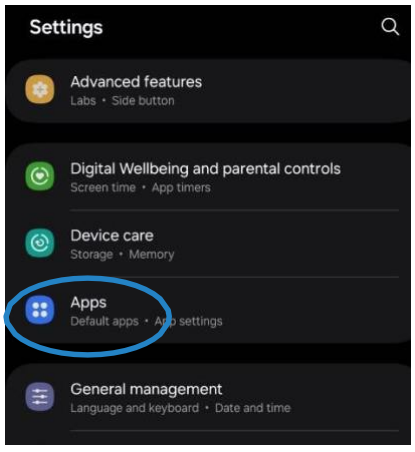


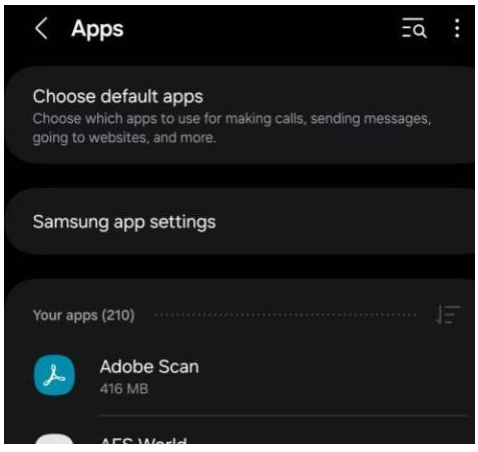
Reinstalling the ELD App

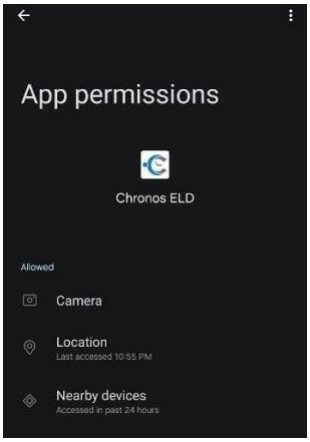
If you need to reinstall the ELD app or install it on a different device, search for "TOP TRACKING SYSTEM ELD" in the Google Play Store and install the app. Upon opening the app for the first time, you will be prompted to approve the following permissions:

- Use camera
- Use location
- Use the network

You also need to give permission for the app to show over other apps:







ELD Driver Operation

The ELD has three different accounts:

- **Driver:** A unique, per-driver account used by drivers to track Hours of Service and ELD regulations. This account records duty status changes (RODS) and allows the export of the driver's records for printing, display, and agent output file generation.
- **Support:** An account used by the carrier and ELD manufacturer to set up, configure, update, and troubleshoot the ELD. No duty status changes are recorded under this account, and it does not provide access to the driver's record of duty status changes.
- **Non-authenticated:** This account (also referred to as UnidentifiedDriver) records all commercial motor vehicle (CMV) operations if no driver is logged into the ELD. Non-authenticated records, such as vehicle movement and on-duty time, are stored on the ELD as well as with the carrier, and these should be attributed to a driver account.

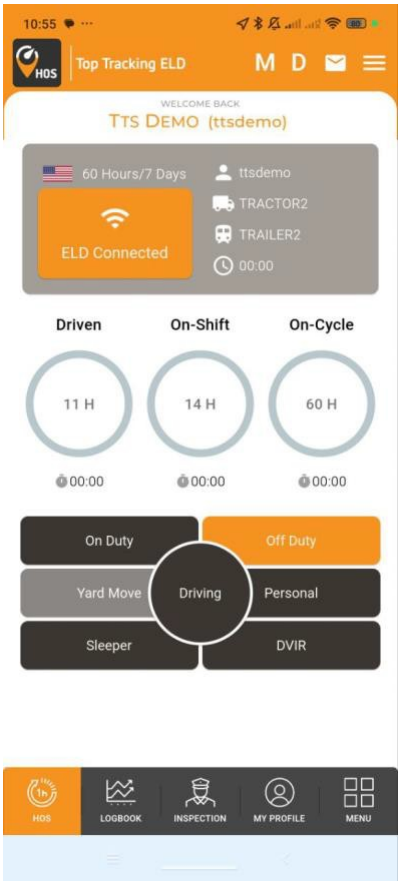
Log in using your driver credentials. Login IDs and the driver's license associated with them cannot be duplicated and must be unique in the ELD system.

- Each driver using the system will have a unique login ID.
- This login name and password are for the specific driver's use only and must not be shared with anyone else, whether they are a driver or not. The login name is associated with the driver's personal information (e.g., driver's license, etc.). If the driver switches carriers and begins driving for a different one, the login name may remain the same under certain circumstances. In this case, it is the driver's responsibility to request that the home base carrier update the carrier name and DOT number in the system.

A driver is only allowed to be logged into one ELD at a time. To log into a different mobile device, the driver must switch to off-duty status and log out from the previous device.

Driver's Unlock: If the driver is still logged into an ELD but the device stops functioning or is lost, the driver must contact the home base carrier to request that their login name be unlocked. The unlock process will change the driver's status to off-duty at the time the driver requests the login unlock.

Selecting a Vehicle Profile (Assets)

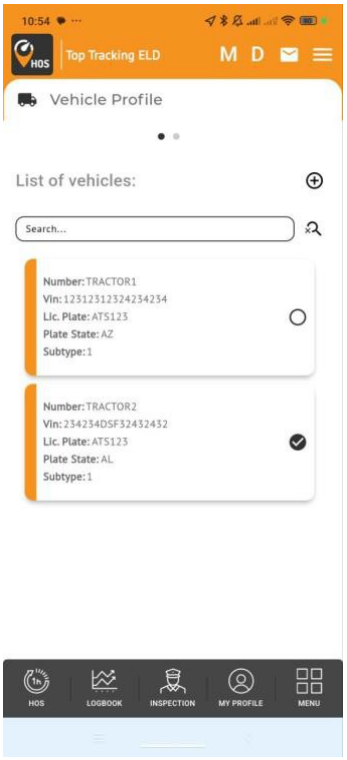


Before a driver's records can be exported and shared with an authorized agent, the driver must update the correct vehicle information. Tap the image of the truck or trailer to select from the list of assets downloaded during login (as shown below) or manually enter (if allowed) a new truck or trailer. Once you choose a tractor or trailer from the downloaded list, the ELD will automatically use the VIN number, license plate, and registration state shown in the list and display it at the bottom of the app as shown in the image below.

Important: Enter your vehicle's dashboard odometer value (twice) to allow the ELD to adjust any discrepancies between the dashboard and engine odometer.

Make Tractor and Trailer Selection:

1.



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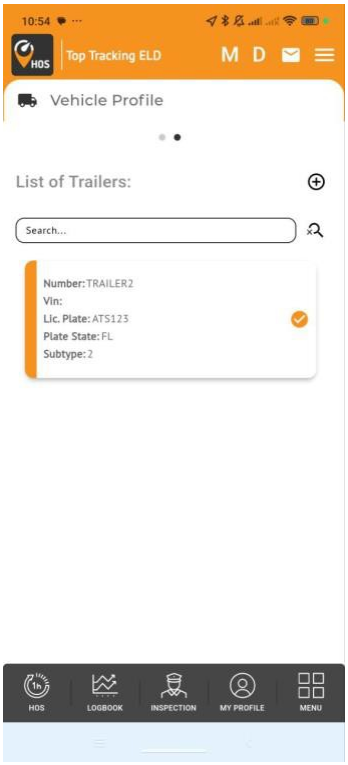
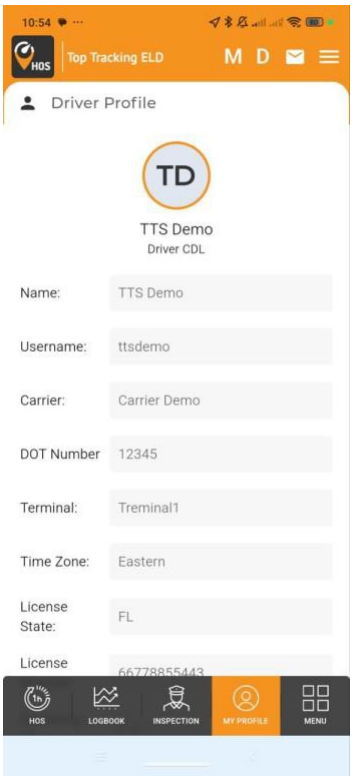


Choose the appropriate tractor and trailer from the available options to ensure the correct vehicle profile is selected

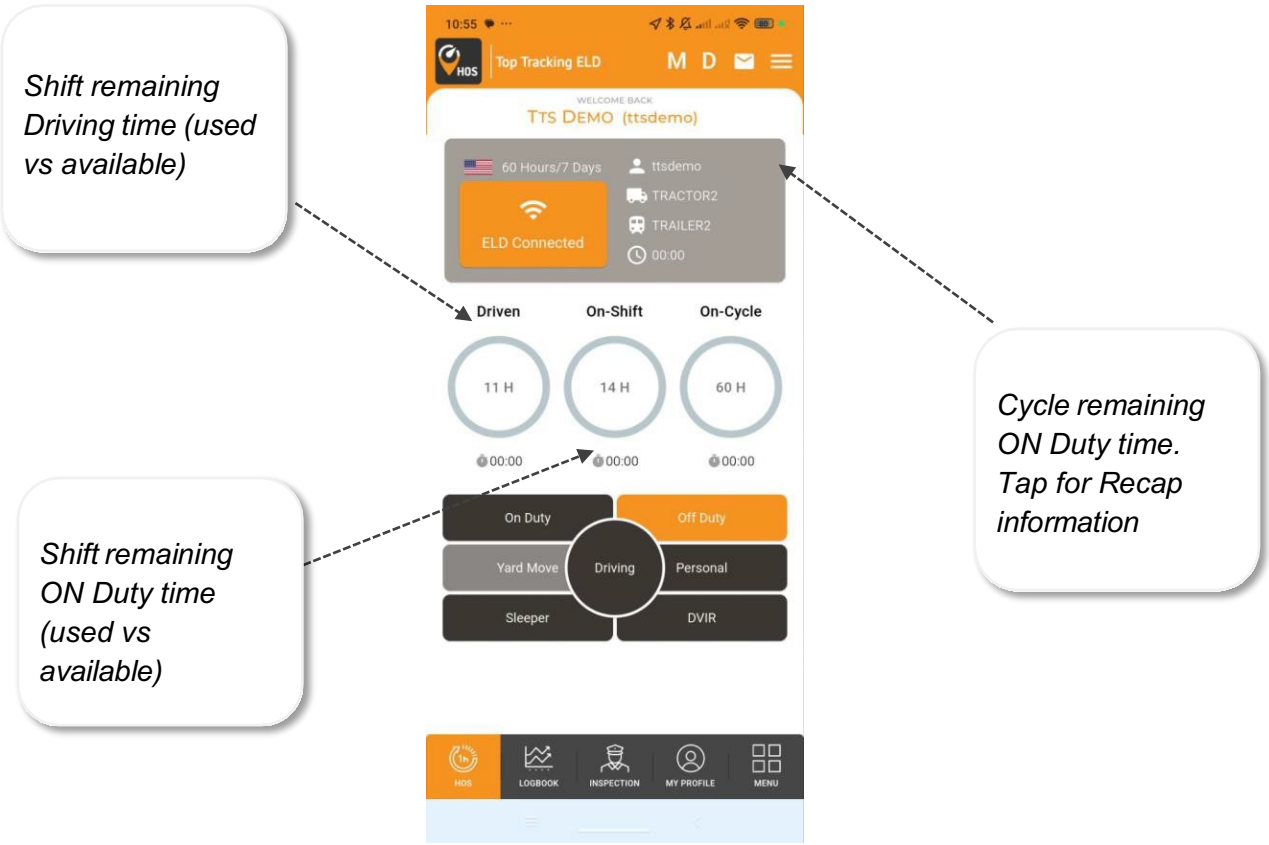
Driver Profile (Preferences)

We suggest confirming the driver's profile. Please ensure the details are accurate: carrier name, your rule set (60-hour or 70-hour), and the home base time zone. Choose the rule set dropdown to switch between 60h and 70h rules. Select the unit of measurement (miles, gallons, kilometers, or liters). The starting 24-hour time is set by your carrier but can be adjusted at any time. Just remember that the new 24-hour starting time will take effect during your next cycle (after the 36-hour restart).

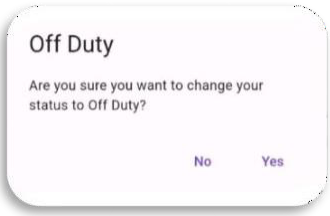


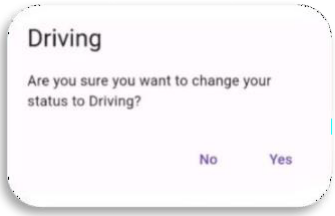
Personal Use (PU) and Yard Moves (YM)

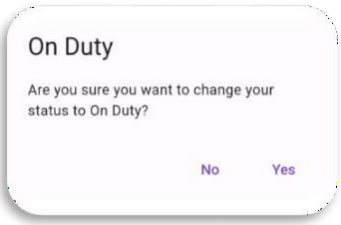
As a driver, current regulations permit up to 75 km of driving for personal use. This provision allows you to, for example, drive to the nearest rest stop, and go home, among other reasons. The ELD will prompt you to either select a pre-defined reason or enter a different one. The ELD must be connected to the ECM device for the Personal Use feature (button) to be available.

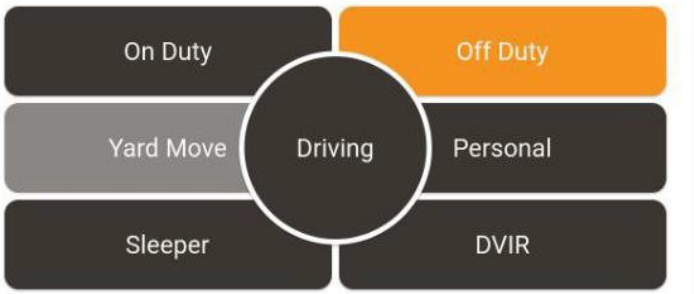


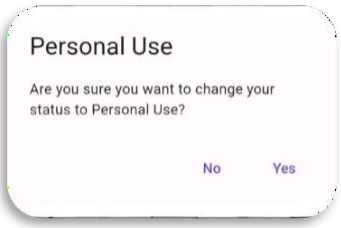
Once you reach the 75 km limit, you will be notified and automatically switched to driving duty status. Whenever the driver wants to activate any of the app's features, a confirmation prompt will appear, and they must leave a comment regarding the action.

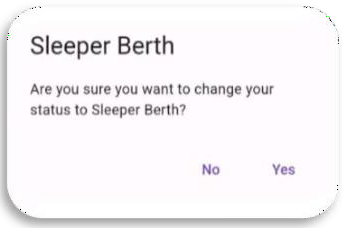


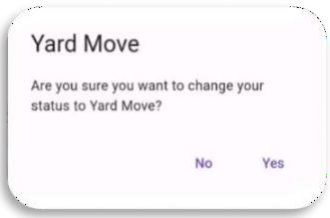












OFF DUTY

It refers to the time when the driver is not working or under any work- related responsibilities connected to the commercial vehicle. During this period, the driver does not perform tasks related to driving, loading, unloading, maintenance, or any other employment-related activity. They are not subject to labor regulations or the employer's service time requirements.

DRIVING

It refers to the state in which the commercial vehicle is being operated and is in motion. The "Driving" option is automatically activated when the vehicle reaches a specific speed (generally 5 mph or more). However, if the driver manually selects this option, it indicates that the vehicle is actively in operation, and the elapsed time will count as part of the allowed driving hours.

ON DUTTY

It refers to the time when the driver is working but not driving. This includes all job-related activities such as:

- Pre-trip or post-trip inspections.
- Loading or unloading the vehicle.
- Work-related waiting time (e.g., at a loading dock).
- Refueling.
- Vehicle maintenance.

The time recorded as "On Duty" counts as part of the regulated Hours of Service (HOS), but not as active driving time. It is important to record it correctly to comply with service time regulations.

PERSONAL USE

It refers to the time when the driver uses the vehicle for personal purposes and not for work-related activities. This typically occurs outside of working hours and when the vehicle is not being used for transporting cargo or performing job-related tasks. It is crucial to record this option correctly to prevent it from being counted as work or driving time.

SLEEPER BERTH

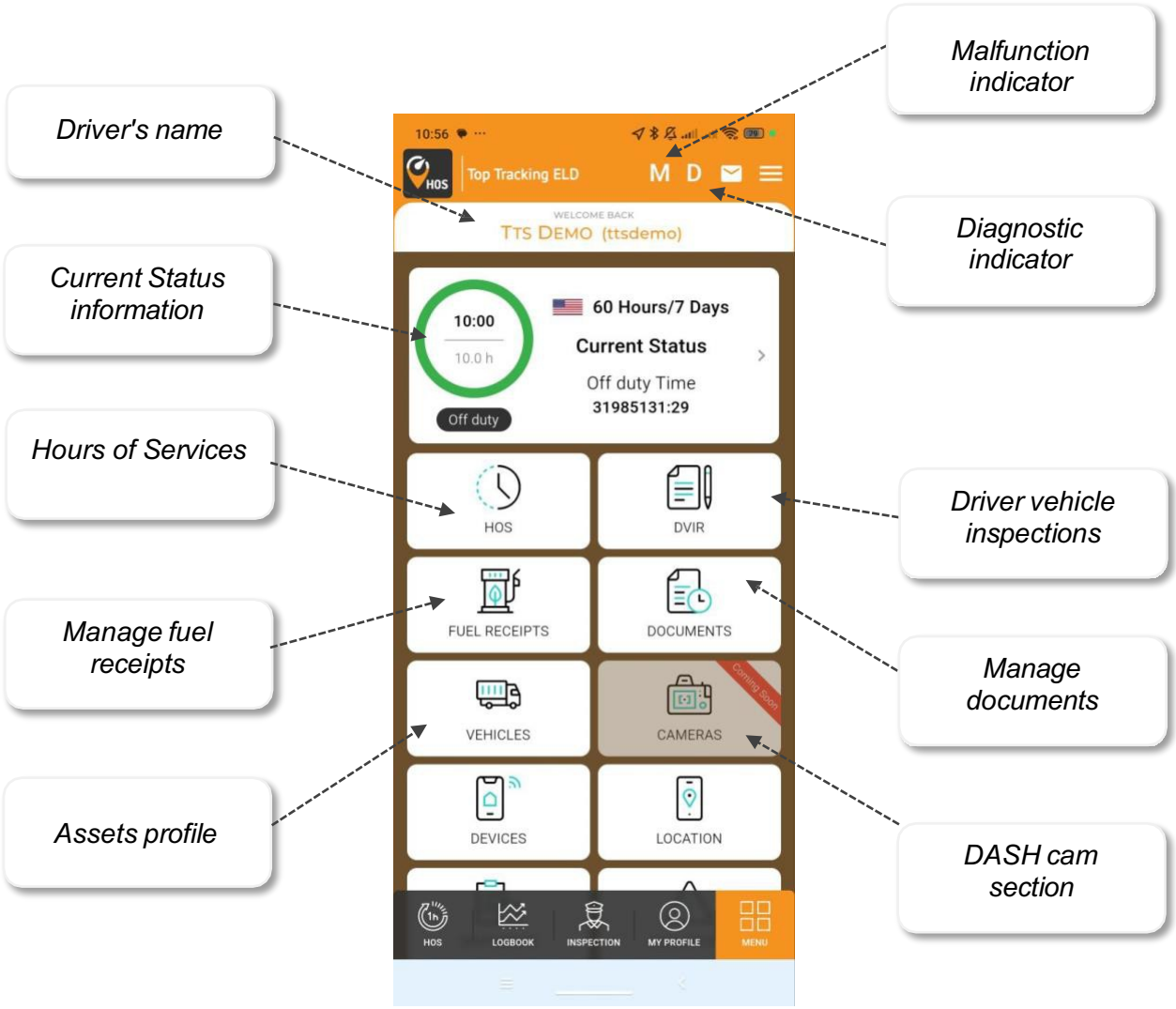
It refers to the time when the driver is resting or sleeping in the truck's sleeper berth area. This status is used when the driver is in a designated area for sleeping or resting and is not performing any work-related activities, such as driving or performing job tasks. This record is crucial for complying with rest regulations and the Hours of Service (HOS) rules for truck drivers.

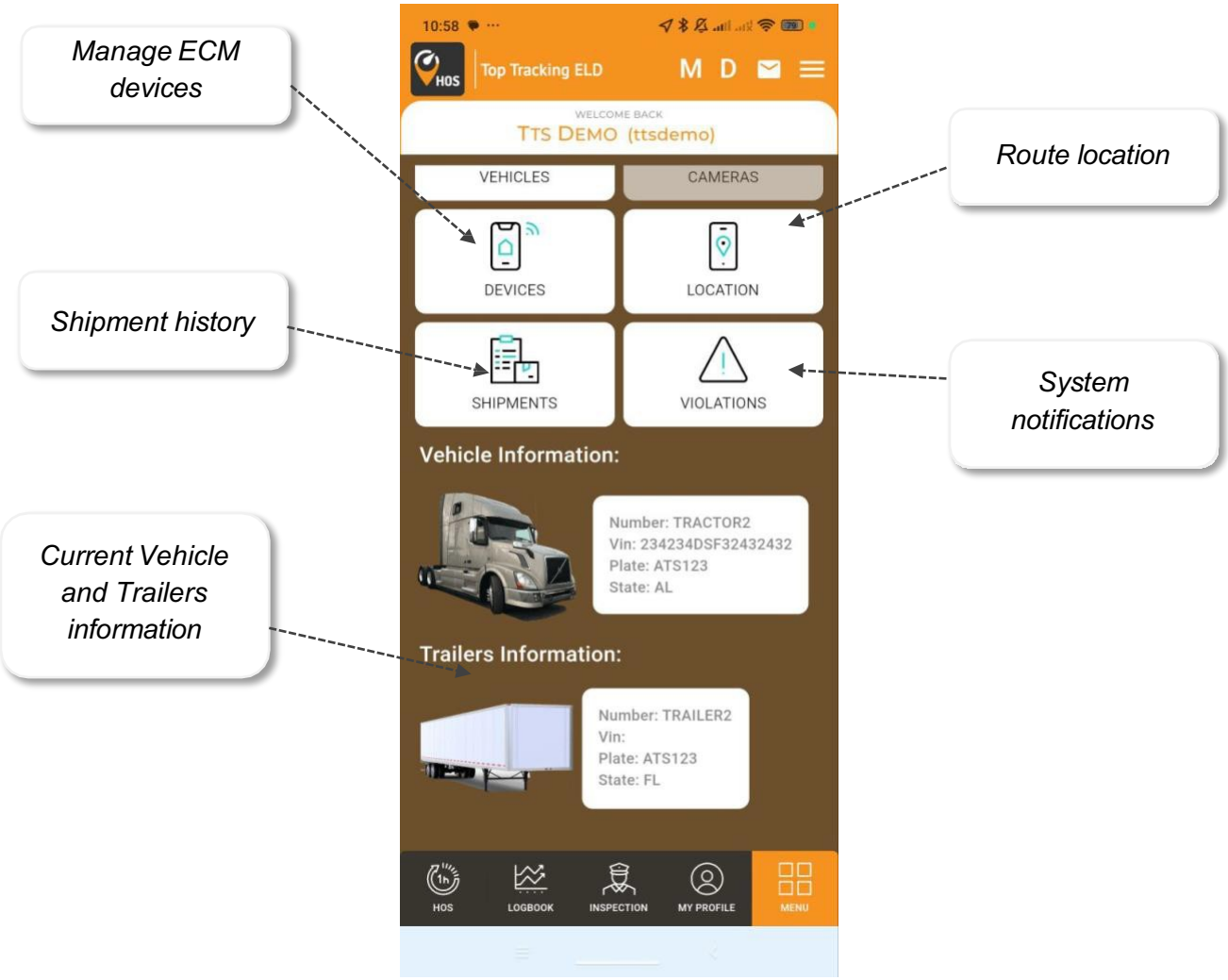
YARD MOVE

It refers to the time when the driver is operating the vehicle within the yard or loading/unloading area, but the vehicle is not moving on a public road. This includes maneuvers performed within a parking area, terminal, or loading yard, typically over short distances and at low speeds. It is important for the driver to correctly record this option when making movements within private facilities or non-public areas.

Menu options

We have previously analyzed all the functionalities available for the driver; now we will analyze those related to the vehicle, the cargo, and the work in general.



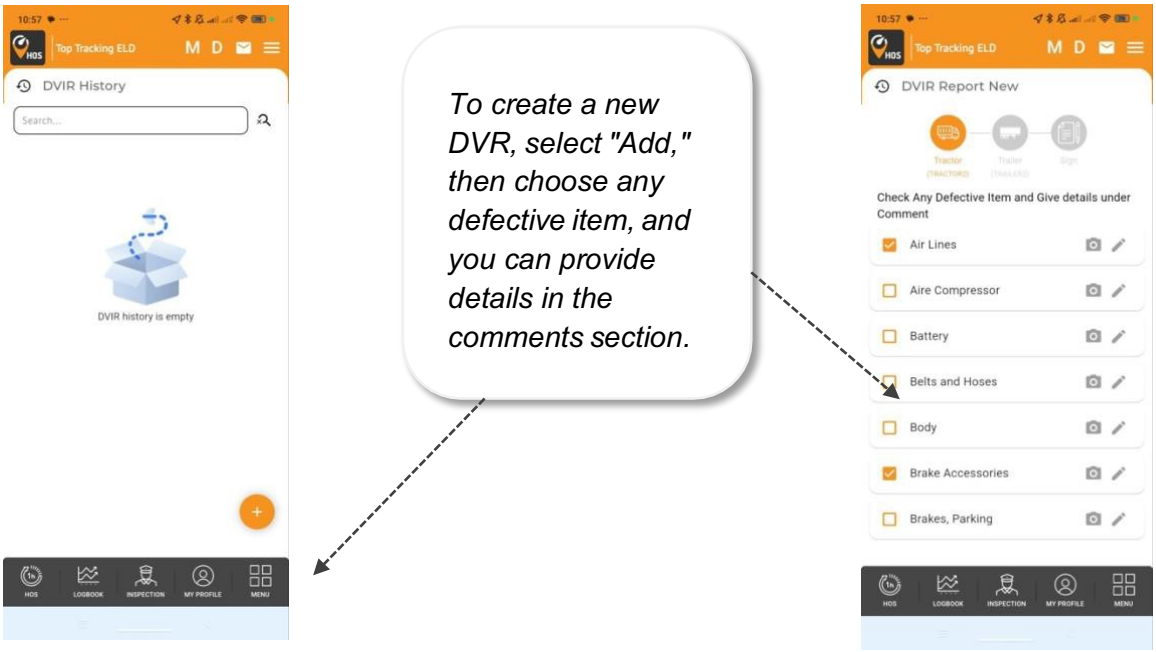


Driver Vehicle Inspection Report (DVIR)

The DVIR is a vehicle inspection report that commercial vehicle drivers must complete to ensure their vehicles are in safe condition before and after each workday.

The primary purpose of the DVIR is to identify and document any mechanical issues or defects that could affect the safe operation of the vehicle. This includes inspections of brakes, lights, tires, steering, mirrors, seat belts, and other essential components.

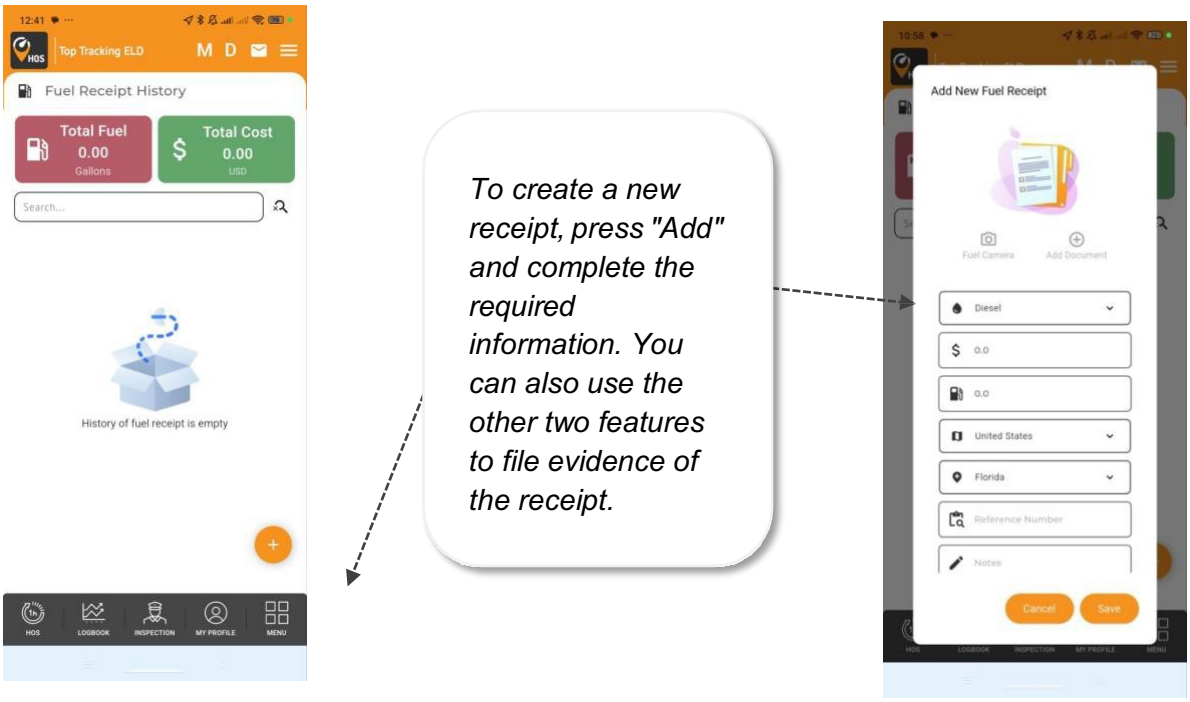
DVIR reports help ensure road safety, improve preventive maintenance, and comply with the regulations of the Department of Transportation (DOT) in the United States.



Fuel Receipts

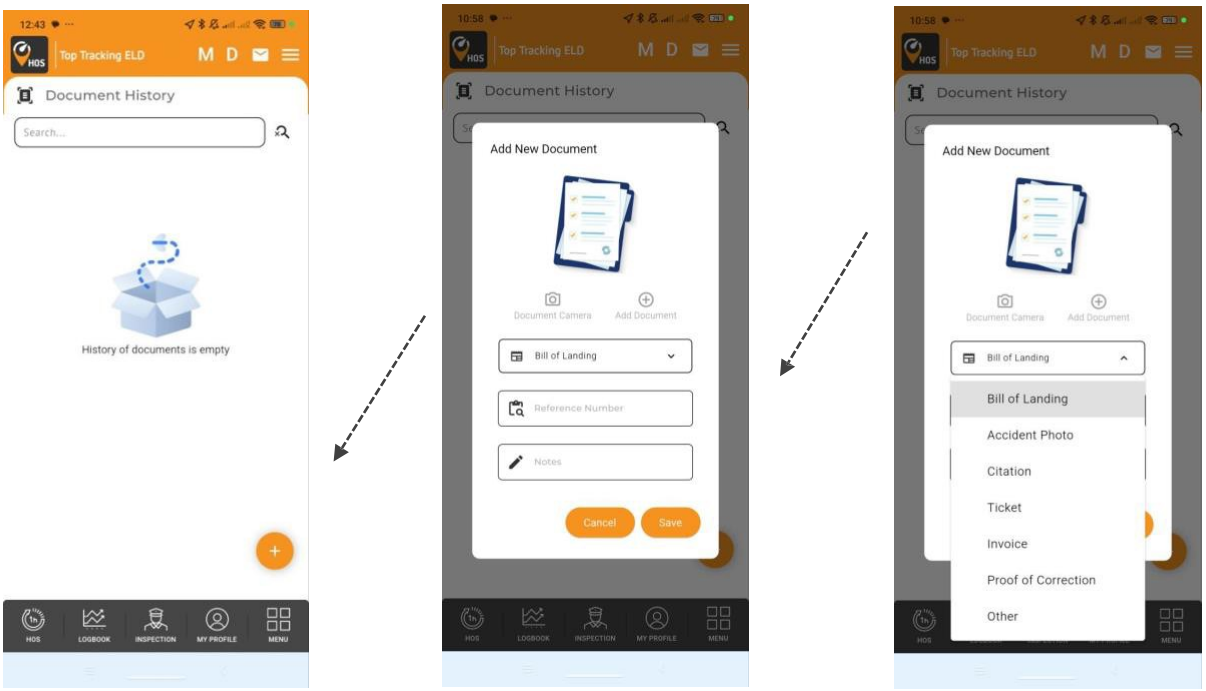
This functionality refers to the feature that allows the driver to record and store the fuel receipts or payment vouchers acquired for the vehicle. This is important for tracking fuel expenses and can be useful for fleet management as well as for complying with tax or audit regulations.

The driver can upload or enter information from these receipts into the ELD application, making it easier to manage fuel records and ensuring proper tracking of expenses associated with the trip.



Documents

It refers to the feature that allows the driver to upload, store, and access various types of documents related to the vehicle, the trip, or regulatory compliance. This feature helps drivers and companies maintain a digitalized and accessible file of the necessary documents for operation and regulatory compliance.



Vehicles

It allows the driver or the company to manage the vehicles and trailer within the fleet. This includes:

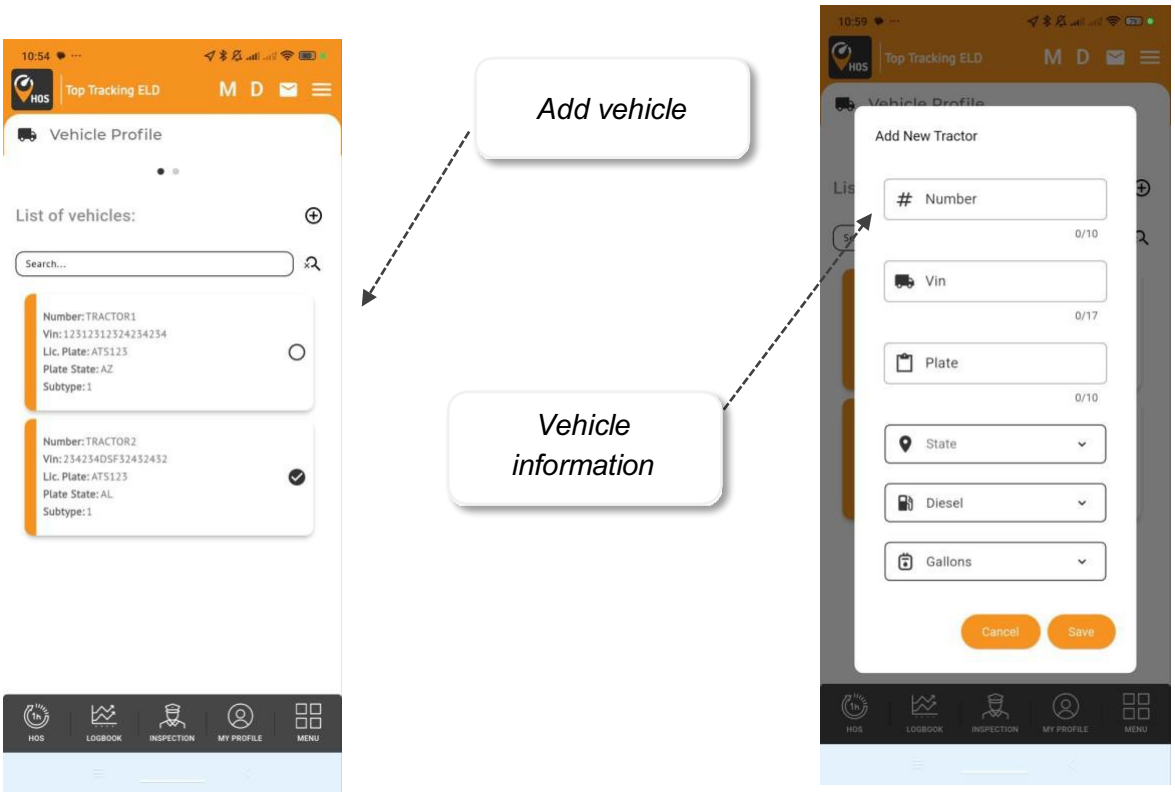
- **Vehicle and trailer registration:** Adding or updating vehicle and trailer information in the system, such as the VIN Number, make, model, and engine details.

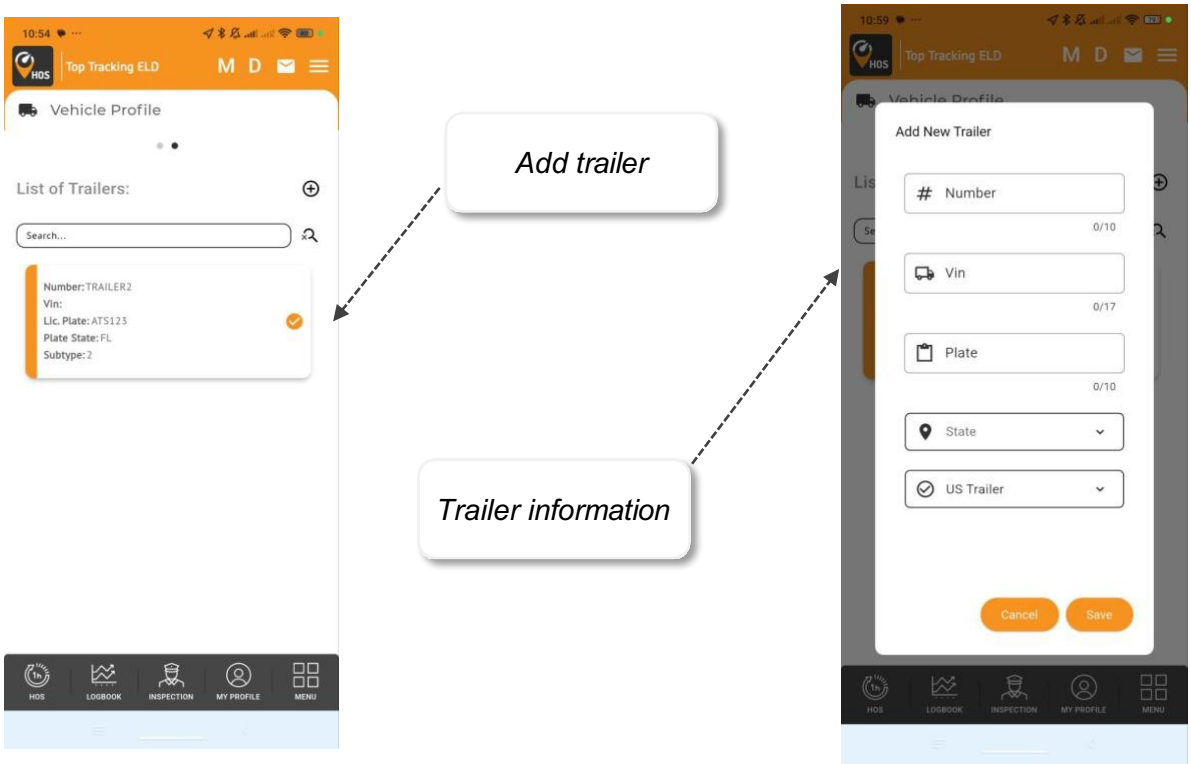
- **Vehicle and trailer assignment:** Assigning a specific vehicle and trailer to a driver during a trip or workday.

- **Vehicle and trailer inspection:** Conducting and recording daily or pre-trip/post-trip inspections to ensure the vehicle and trailer is in proper operating condition.

- **Maintenance and Repairs:** Keeping track of maintenance and repair activities performed on the vehicle and trailer.

This function helps ensure that all vehicle information is organized and up-to-date in the ELD application to comply with regulations and improve operational efficiency.





Location

It allows for recording and tracking the vehicle's geographic location in real time or during specific events. This can include:

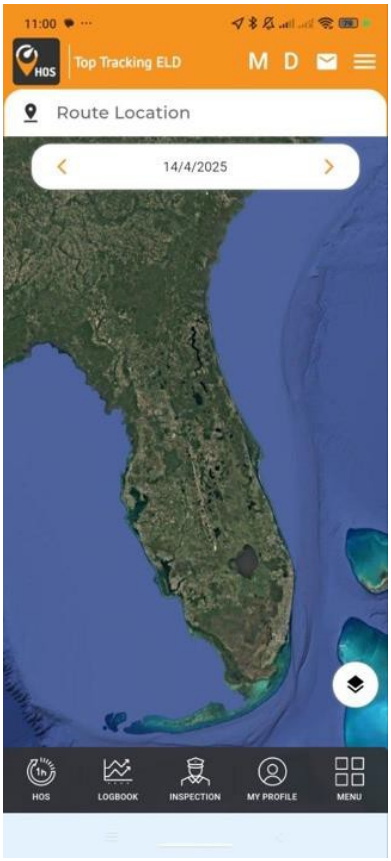
- **Vehicle location tracking:** Capturing the vehicle's location via GPS, allowing the current position of the vehicle to be known at all times, whether during the trip or when stationary.
- **Recording stops or events:** Logging the location where the vehicle stops, such as at rest breaks, loading or unloading, or specific locations like terminals or yards.
- **Regulatory compliance:** Helping the company or driver comply with vehicle tracking regulations, such as those related to driving time or geographic restrictions.
- **Location reports:** Generating reports or a history of the locations visited during a specific period.

The "Location" option is important for improving fleet management, route tracking, and optimizing work time. Additionally, it is key for safety and regulatory compliance.

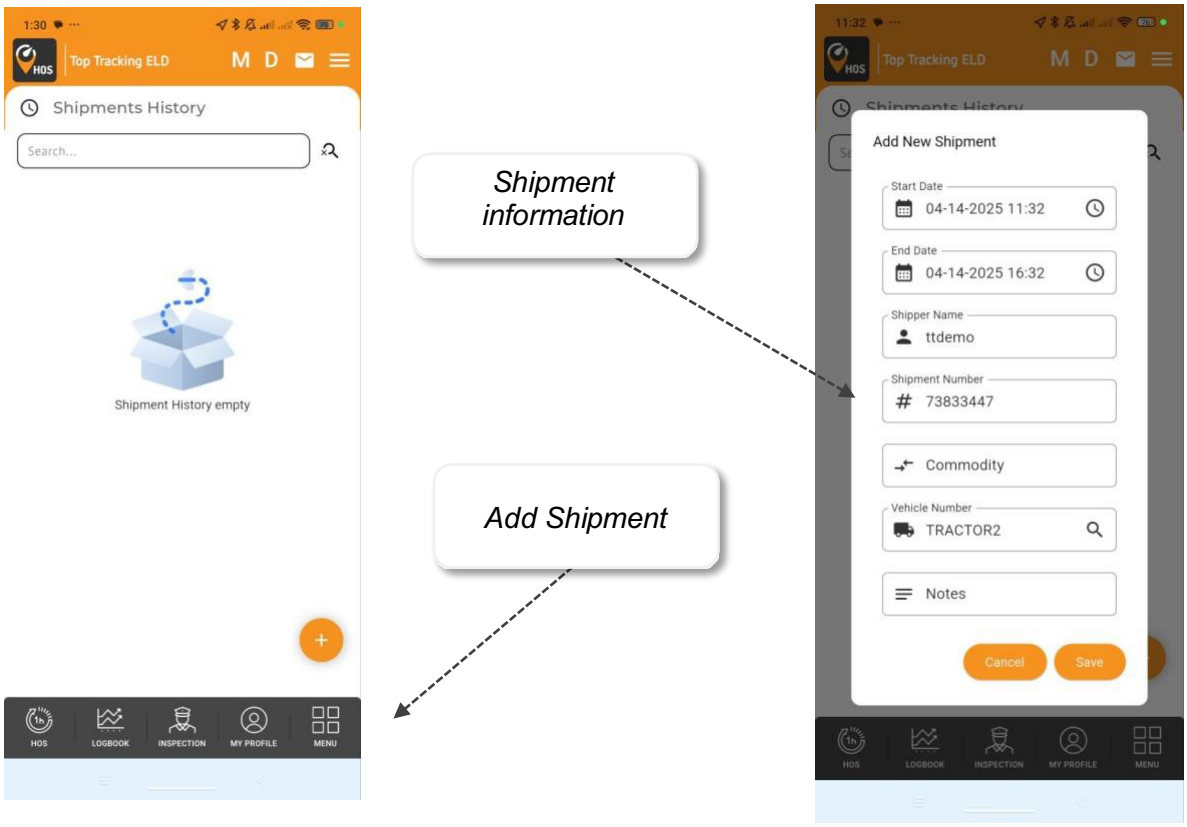
Shipments

It is a feature related to the management and tracking of shipments or loads that the driver transports. This can include:

- **Shipment Information:** Details about the shipment the driver is carrying, such as the type of cargo, destination, origin, and delivery dates or deadlines.
- **Shipment Documents:** The ability to record and store documents related to the shipment, such as load sheets, bills of lading, and other transportation documents.
- **Shipment Tracking:** Allows the driver and the company to track the progress of the shipment, ensuring that it stays within established timelines and meets transportation requirements.
- **Delivery Confirmation:** Recording and managing the delivery of the cargo to its destination, including confirmation of receipt of the goods.



The "Shipments" option is crucial for load and logistics management, as it facilitates the tracking and organization of shipments, ensuring that deliveries are made efficiently and in compliance with regulations.



Inspection

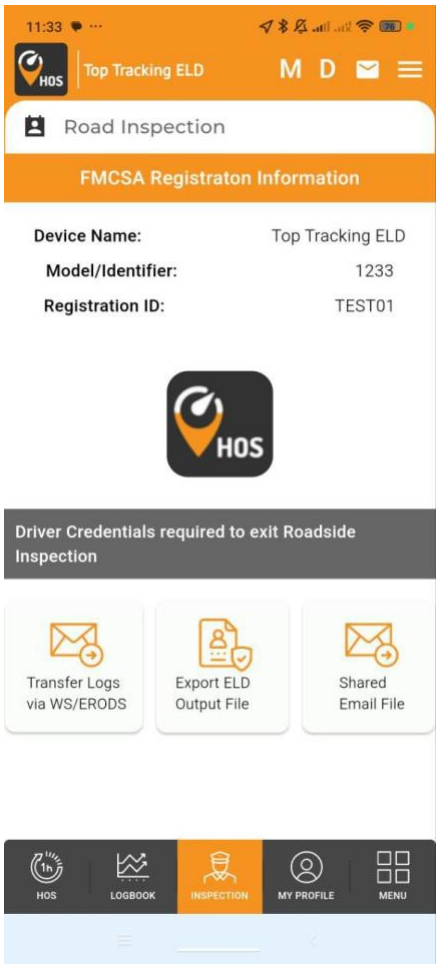
It allows the driver to record, perform, and manage vehicle inspections. This is crucial for ensuring road safety and regulatory compliance. Inspections can include:

- **Pre-trip Inspection:** Recording an inspection before the trip begins to verify that the vehicle is in proper operating condition.

- **Post-trip Inspection:** Conducting an inspection at the end of the trip to identify any damage or issues that need to be repaired before the next use.

- **Defect Reports:** Logging problems detected during inspections, such as mechanical failures, non-functioning lights, or brake issues.
- **Repair Certification:** Confirming that any identified defects have been repaired before the vehicle returns to the road.
- **Compliance Documentation:** Storing records of completed inspections to comply with state or federal regulations.

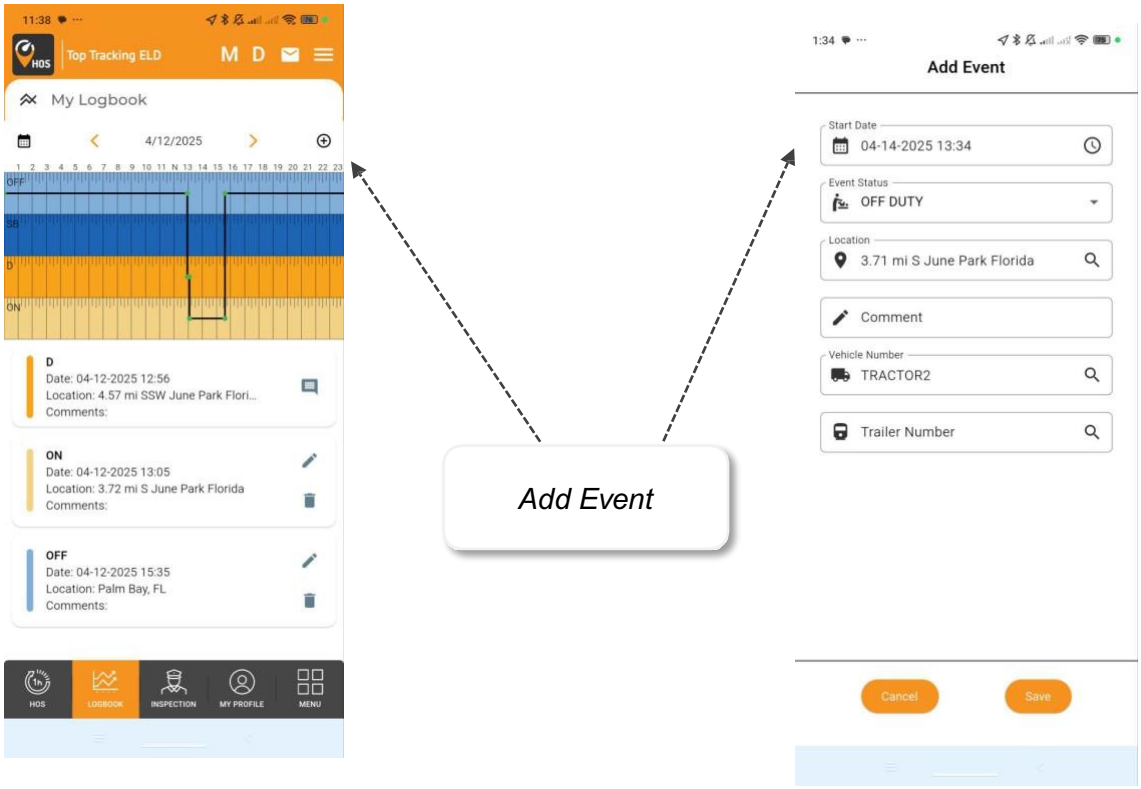
The "Inspection" option is essential to ensure that vehicles are in optimal condition, reduce risks on the road, and comply with safety regulations.



Logbook

It allows the driver to record, view, and manage their activity history related to Hours of Service (HOS). This is a fundamental part of complying with driving and rest time regulations. This can include:

- **Recording Hours of Service:** Detailing the driver's activities, such as driving, resting, On Duty time, and Off Duty time.
- **Regulatory Compliance:** Ensuring the driver adheres to the established limits for daily and weekly driving hours, as well as required rest periods.
- **Access to History:** Allowing the driver and authorities to access the complete activity history for inspections or audits.
- **Logbook Edits:** In some cases, drivers can make adjustments to the logbook, provided they comply with regulations and changes are approved by the administrator, if necessary.
- **Clear Visualization:** Displaying a visual or graphical breakdown of activities to facilitate time tracking.



The "Logbook" functionality is crucial for drivers and companies to maintain a clear and up-to-date record of daily activities and to avoid violations of HOS regulations.

This functionality also allows deleting and editing events. You need to swipe to the right to delete and to the left to edit, making it easier for the driver. Below, both functionalities are displayed.

Swipe to the right to Delete

Swipe to the left to Edit