APPLICATION GUIDE

Interstate eld

For Mobile Devices

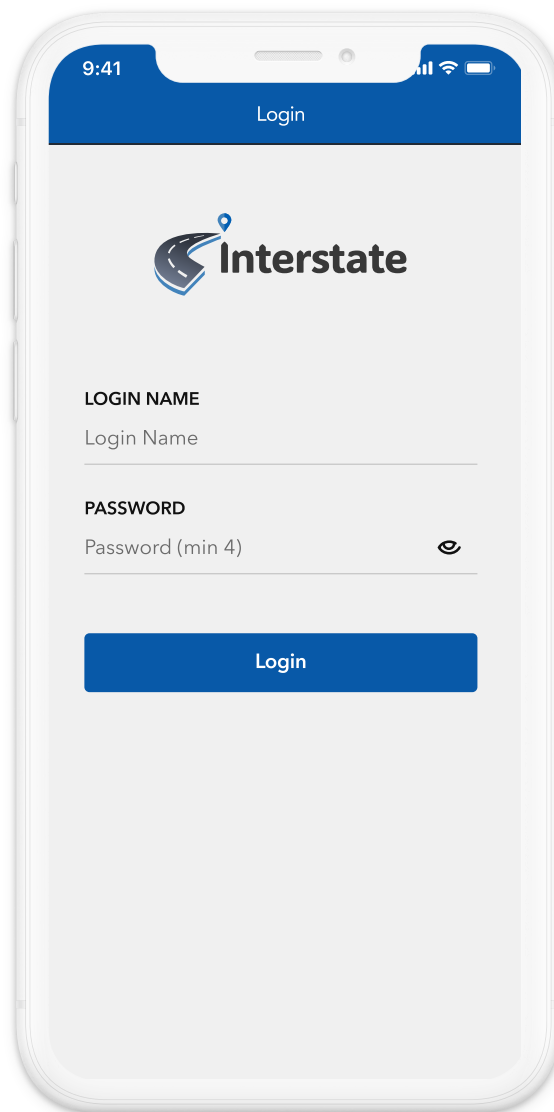# Table of contents

Authorization

FMCSA regulations require commercial vehicle operators to track their hours of service using a certified ELD. The Interstate ELD app, used together with the Interstate PT30 device, provides real-time engine data, duty status monitoring, GPS tracking, and simplifies HOS logging, DVIR submissions, and DOT inspections.

Getting started:

1. Open the Google Play Store or Apple App Store on your device and search for Interstate ELD.
2. Tap Install and approve the requested permissions.
3. After installation is complete, launch the Interstate ELD app.
4. Allow any additional permissions prompted on screen.
5. Sign in using your username and password.

If you do not have login credentials or have forgotten them, please contact your fleet manager.
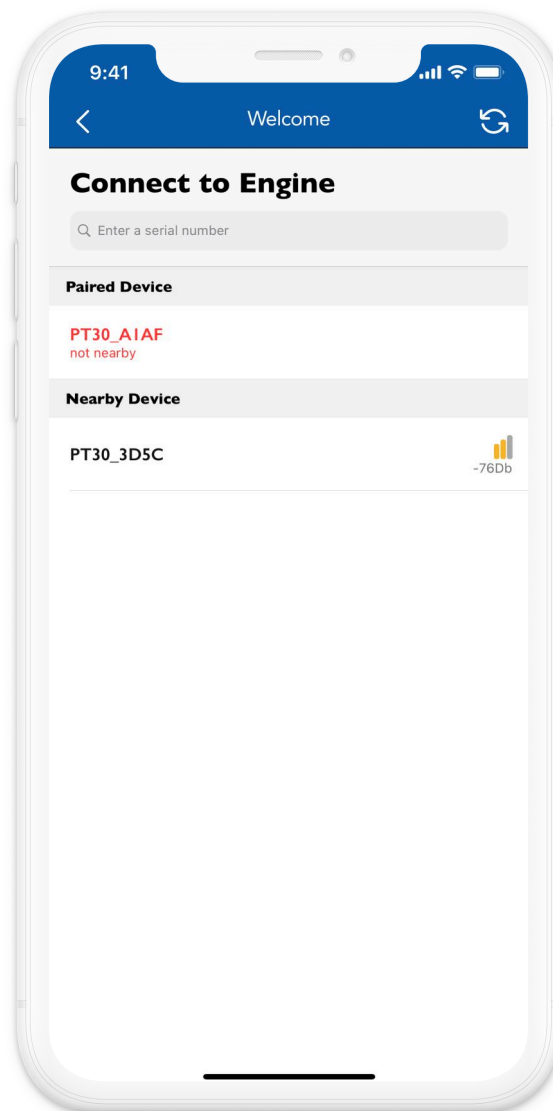
Truck Connection Setup

Before connecting the Interstate ELD app to your vehicle, make sure the ELD device is installed exactly as specified in the Hardware Manual. Once the device is ready:

1. Enable Bluetooth on your smartphone or tablet.
2. Open the Interstate ELD app.
3. On the home screen, tap the truck icon to scan for nearby ELD-equipped vehicles.
4. Select your truck's serial number from the list to complete the connection.

A green truck icon at the top of the screen indicates a successful connection.

A red truck icon means the connection has been lost and must be re-established.
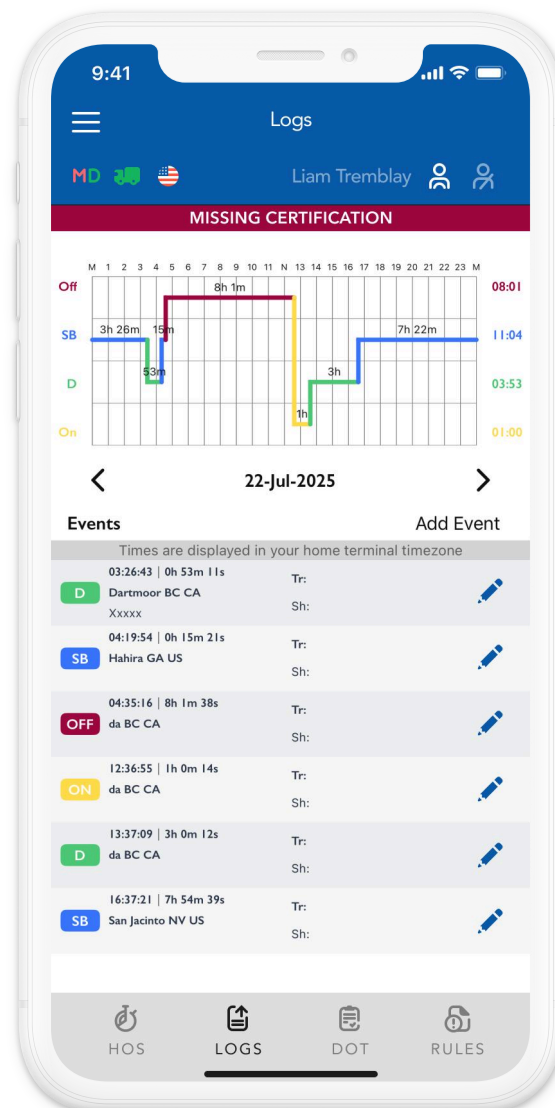
Driving Logs

Tap the Log icon on the dashboard to open your full logbook, including driver, vehicle, and carrier information. The Log Graph displays a clear timeline of duty statuses and Hours of Service, allowing you to quickly review compliance.

Reviewing and editing logs:

1. Use the date selector at the top of the screen to switch between log days.
2. To add a missing duty segment, select Insert Event and complete the required fields.
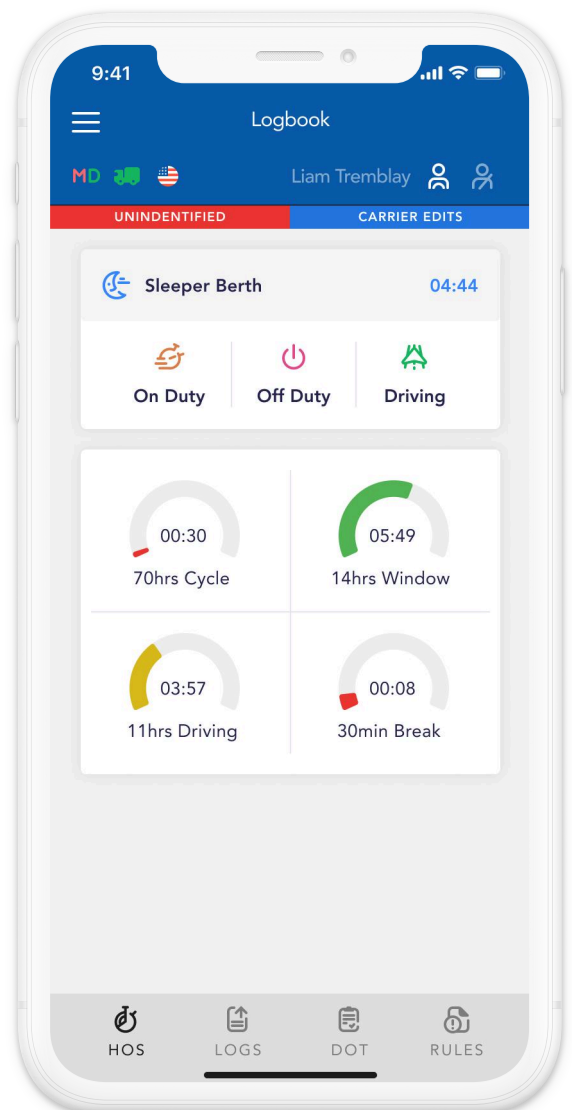3. To modify an existing entry, tap the pencil icon next to the record.

In accordance with FMCSA regulations, log entries may only be edited to correct inaccuracies. All changes must maintain the integrity and compliance of the logbook.

Main Dashboard

When you open the Interstate ELD app, the Hours of Service (HOS) dashboard appears, providing an overview of key compliance and system information:

- Malfunctions and Data Inconsistencies Icon — alerts you to device malfunctions or data discrepancies that require attention.
- Additional Menu — offers quick access to supplementary tools and app settings.
- Connection Status Icon — displayed as a truck symbol, indicating the current connection status between the PT30 device and the vehicle.
- Notifications Panel — shows important system alerts, messages, and updates.
- Active Driver Name — identifies the currently signed-in driver; tap to switch drivers or manage co-driver settings.
- Country Rules Flag — indicates the active regulatory ruleset applied to HOS calculations.
- Duty Status Switch — allows you to change your duty status (On Duty, Off Duty, Sleeper Berth, Driving) with a single tap.
- Hours Remaining Indicator — displays your remaining driving and on-duty hours in real time.
- HOS Info Menu — opens a detailed view of Hours of Service records and calculations.
- Log Menu — provides access to today's log as well as previous log entries.
- Vehicle Inspection (DVIR) — opens the Driver Vehicle Inspection Report section.
- DOT Inspection Prep — organizes required records for Department of Transportation inspections.

5

Changing HOS Status

On the Status Switch screen, select your current duty status from the following options: Driving, On Duty, Off Duty, Sleeper Berth, Border Crossing, Yard Move (available only while On Duty), or Personal Use (available only while Off Duty).

Automatic transitions
- The system automatically switches your status to Driving when vehicle motion is detected.
- After stopping, allow at least 10 seconds before turning off the engine so the ELD can properly record the end of the driving event and unlock the status selector.

Shutting off the engine too quickly may leave your log incorrectly showing Driving, which can result in a compliance violation. To resolve this issue:
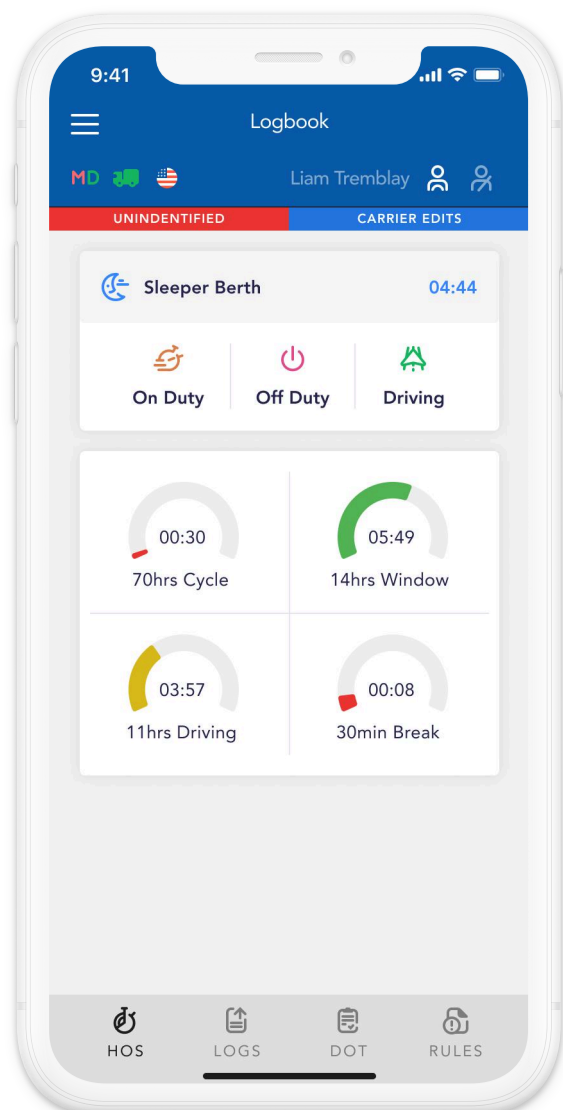
1. Restart the engine.
2. Allow the driving segment to close.
3. Manually select the correct duty status.

Manual entry details

You may also manually enter additional information, including:
- Special activity types (Personal Use, Yard Move)
- Custom notes or remarks
- Shipping document numbers
- Trailer numbers

Whenever you create or edit a log entry, be sure to include the odometer reading to keep your records accurate and FMCSA-compliant.

Personal Use & Yard Move

Setting Personal Use
1. On the Status Switch screen, select Off Duty.
2. Once Off Duty is active, choose Personal Use and add a brief comment.
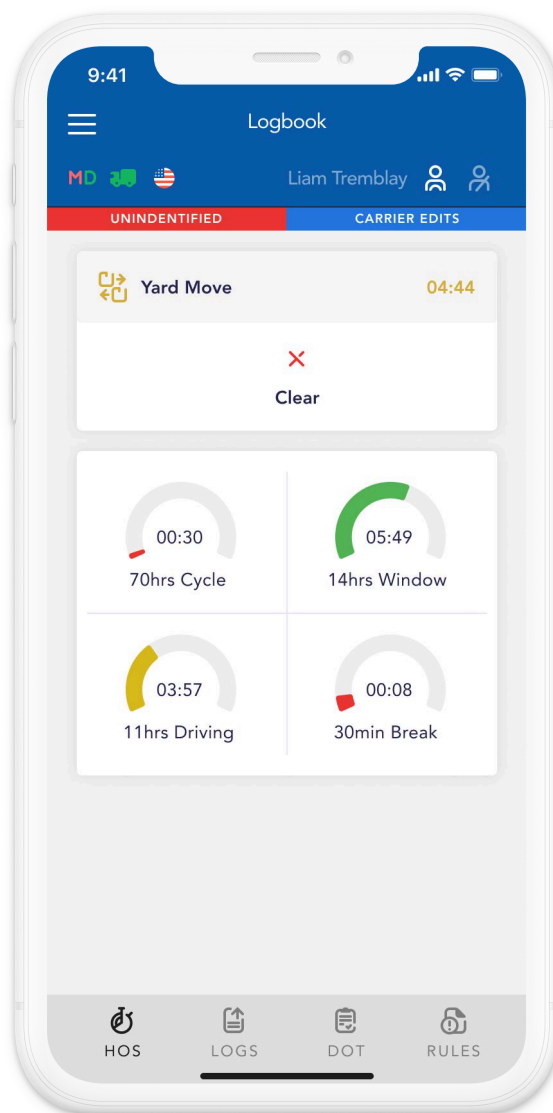
To confirm the change:
1. Tap Clear.
2. Enter your comment or any required details.
3. Tap Save.

Setting Yard Move
1. On the Status Switch screen, select On Duty.
2. Once On Duty is active, choose Yard Move and add a brief comment.

To confirm the change:
1. Tap Clear.
2. Enter your comment or any required details.
3. Tap Save.

Rules

In the Rules section, you can review the currently active Hours of Service framework and monitor your Driving, On Duty, and Off Duty timers as they update in real time. This ensures that all log entries are calculated under the correct regulations and remain fully compliant.

When you enter a different jurisdiction, simply select the applicable ruleset to meet local regulatory requirements.

You can also see when your daily and weekly limits reset, allowing you to plan rest periods more effectively. Staying aware of these limits helps prevent violations, reduce the risk of fines, and support safer, more efficient operations.
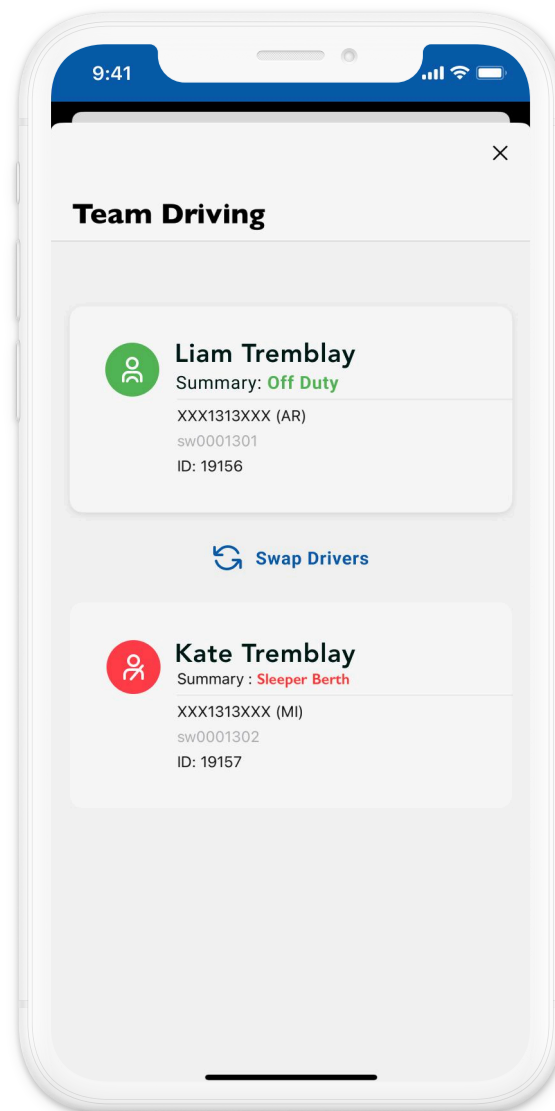
Dual Driver Mode

The Interstate ELD app supports team driving, allowing two drivers to record their duty status and Hours of Service on the same vehicle.

Each vehicle can have only one active ELD connection at a time, whether operated by a single driver or a team. Connecting multiple devices simultaneously is not permitted and may lead to incomplete or missing log data.

Setting up team driving
 1. The primary driver signs in using their own login credentials.
 2. To add a co-driver, open the menu and select Co-Driver.
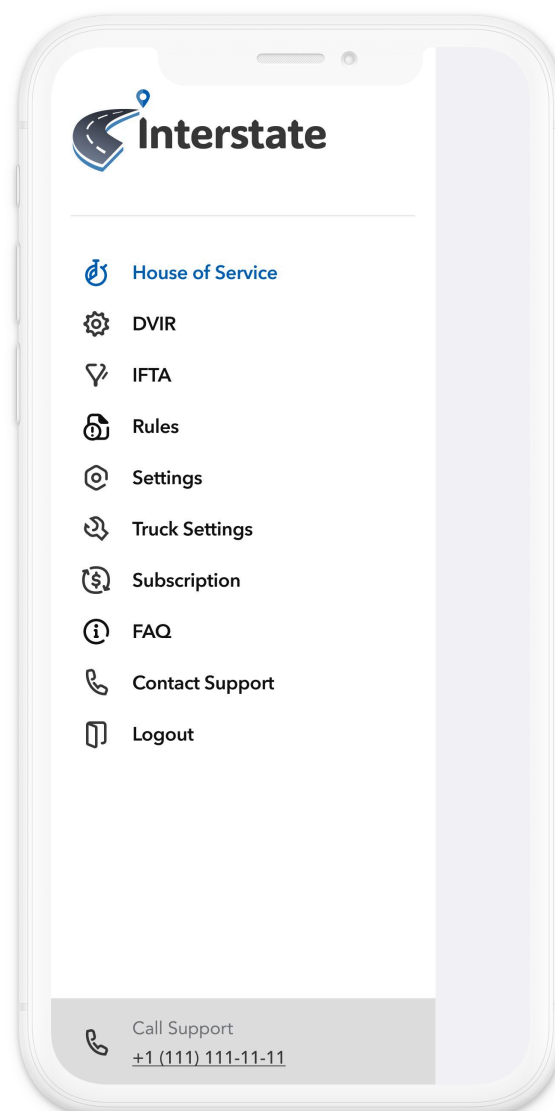 3. The second driver enters their individual username and password.

Once both drivers are authenticated, you can switch between active profiles by tapping the Co-Drivers icon.

Additional Menu

Tap the menu icon at the bottom-right of the Home Screen to access the following options:
- HOS — view and manage your Hours of Service records.
- DVIR — complete and review Driver Vehicle Inspection Reports.
- Rules — select and configure the HOS ruleset for your jurisdiction.
- IFTA — record and review fuel purchases for IFTA compliance.
- Settings — customize app preferences and options.
- Truck Settings — monitor odometer readings and other vehicle details.
- FAQ — find answers to common questions and troubleshooting tips.
- Contact Support — start a live chat with the Interstate ELD support team.
- Log Out — safely sign out of the app.
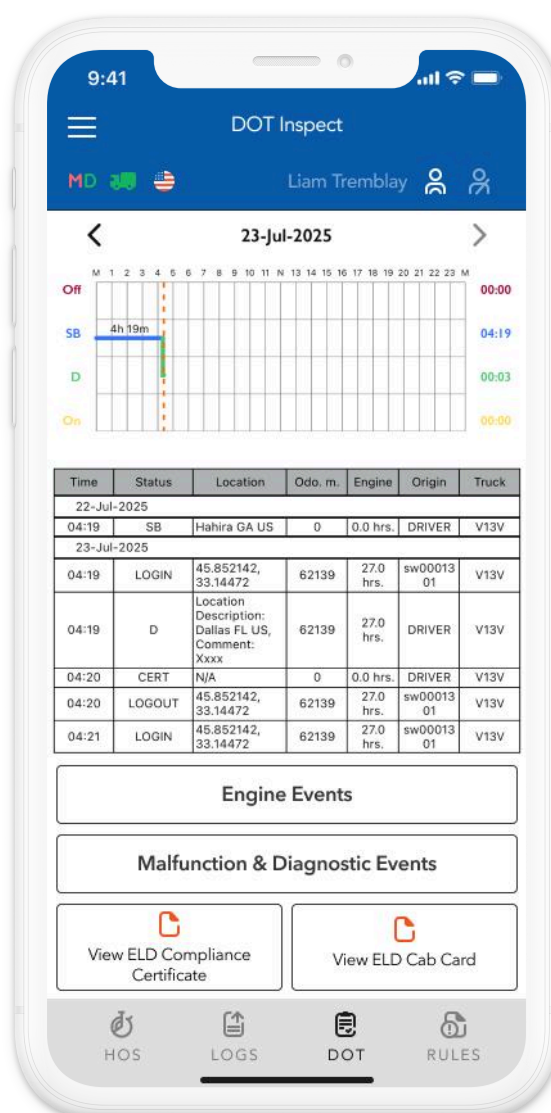
DOT Inspection & Data Transfer

The DOT Inspection menu provides an overview of all collected data for the driver, vehicle, and trip. You can use this menu to transfer logs to FMCSA during an inspection, certify your records, or review any unidentified entries.

Performing a DOT inspection

1. Tap Start Inspection and verify that your logs are ready for transfer to the safety officials.
2. If everything is in order, tap Transfer Data to Roadside Inspector and select a transfer method:
    • Personal Email — enter the inspector's email address and optionally add a comment.
    • FMCSA Email — add a comment as required.
    • Web Services (FMCSA) — add a comment as required.

The reporting period for the logs may vary depending on the regulatory rules of the country in which you are operating.
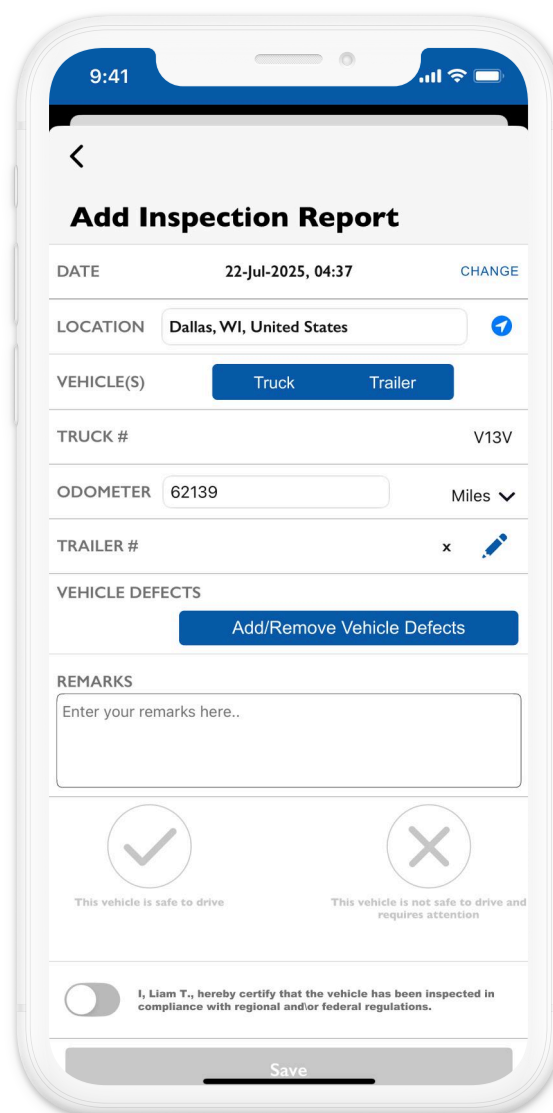
DVIR

Under FMCSA regulations, drivers must submit a Driver Vehicle Inspection Report (DVIR) daily to confirm the vehicle's condition and maintain compliance.

Creating a new DVIR

1. Open the Interstate ELD app and go to the DVIR section.
2. Tap Add a Report to start a new inspection.
3. You can also review previous inspection reports from the same menu.

Completing the inspection

- Verify your current GPS location (automatically detected by the app).
- Select the correct truck and/or trailer from the drop-down list.
- Enter the odometer readings for both the tractor and trailer.
- Document any defects or issues found during the inspection.
- Complete the safety check, indicating whether the vehicle is fit for service or requires repairs.

Malfunctions & Data Diagnostics

Under FMCSA regulations, each ELD device must monitor its own performance against technical standards and automatically detect any malfunctions or data inconsistencies.

The system will classify each event as either "detected" or "cleared" based on its current status.

When a malfunction or diagnostic issue is detected:
- The M/D icon at the top of the app will change from green to red.
- A red "M" signals a malfunction.
- A red "D" indicates a data inconsistency.

Driver Responsibilities During ELD Malfunction

In accordance with FMCSA Rule 49 CFR § 395.34, drivers must take the following steps if an ELD malfunction occurs:
1. Report the malfunction in writing to your motor carrier within 24 hours.
2. Reconstruct your record of duty status (RODS) for the current day and the previous seven consecutive days.
   - Use paper logs that comply with §395.8 if the records are not accessible through the ELD.
3. Continue to manually maintain your duty status records using paper logs until the ELD is repaired and compliant.

In case of any issues during a DOT inspection, be prepared to present your manually maintained Records of Duty Status (RODS) to the roadside officer.

Malfunctions

1. 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.
2. Positioning Compliance — no valid GPS signal. Can be fixed automatically by restoring the GPS signal.
3. Unregistered Odometer Change — odometer readings changed when a vehicle was not moving. Recheck the odometer data in the app or contact the motor carrier.
4. 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.
5. 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.
6. Data Transfer Compliance — failure to communicate for three days following a data transfer data diagnostic event. The malfunction will resolve itself when the device begins to communicate successfully. Check your internet connection and contact your carrier if the problem persists.
7. Timing Compliance — ELD provides an incorrect timeframe for the events. Contact the motor carrier or the Interstate ELD Support Team.

Data Diagnostic Events

1. Power — 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.
2. Engine Synchronization — ECM to ELD connection is lost. Contact the motor carrier and arrange for the ECM link to be restored.
3. Missing Required Data Elements — a temporary or permanent loss of the GPS/Internet connection or the ECM disconnection. Reconnect and reload the ELD device.
4. Data Transfer — driving data cannot be transferred to the FMCSA server. Contact the motor carrier or the Interstate ELD Support Team.
5. 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.
6. Positioning — the ELD is temporarily unable to receive valid positional data from the GPS. The issue may be resolved once the GPS signal is restored.

For any questions related to ELD malfunctions or unresolved data issues, contact the Interstate ELD Customer Service Team:
Phone: + 1 (312) 809 98 80
Email: info@interstate-eld.com
Web: interstate-eld.com

Settings

In the Interstate ELD app, the Settings menu allows you to manage your driver profile and customize app behavior.

Managing driver profiles
- Select Current Driver or Co-Driver to edit personal details.
- This is particularly useful for team driving, allowing users to switch profiles mid-shift.

Customizing preferences
- Adjust distance units and clock display style.
- Enable features such as Regain Hours at Midnight to match your schedule.
- Update your electronic signature, upload log files, switch themes, and view the app version.

Security and session management
- Enable Face ID or Touch ID for enhanced security.
- Use Log Out when finished to safely end your session.