



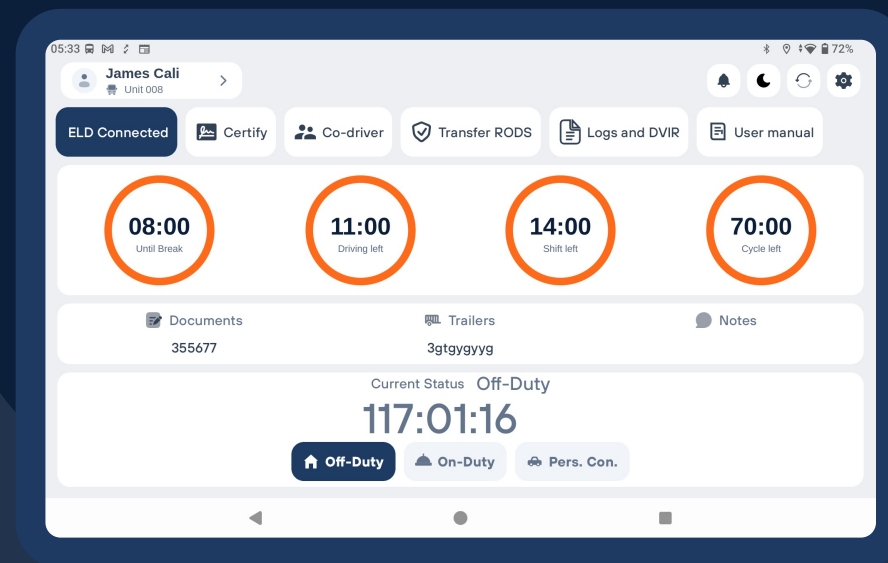
Driver User Manual

Hours of Service, Records of Duty Status, DVIR and malfunction procedures for the 1S EW ELD driver app.

49 CFR Part 395

FMCSA ELD Rule

70 hr / 8 day



THE 1S EW ELD HOME SCREEN

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PART A

Setup & Connection

Get signed in, learn the home screen, and pair the app with the in-vehicle ELD hardware.

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A1

About 1S EW ELD

What the system does for you, and what the rules expect from you.

1S EW ELD is an FMCSA-registered Electronic Logging Device made of two parts: a plug-in vehicle unit connected to the truck's diagnostic port, and the 1S EW ELD driver app on your tablet. Together they record your hours of service automatically, as required by **49 CFR Part 395, Subpart B**.

RECORDED AUTOMATICALLY AT EVERY DUTY STATUS CHANGE

- Date, time and duty status
- Vehicle location (and every 60 minutes while driving)
- Engine hours and vehicle miles
- Driver, co-driver, unit number and VIN
- Motor carrier name and USDOT number

CONFIGURED RULE SET

USA Property-carrying · 70-hour / 8-day cycle · 24-hour period starting at midnight.

KEEP THESE IN THE CAB AT ALL TIMES — §395.22(H)

- 1 This user manual.
- 2 An instruction sheet describing how to transfer your records to a safety official (Part C7).
- 3 An instruction sheet describing what to do if the ELD malfunctions (Part E).
- 4 A supply of blank paper graph-grid logs for at least 8 days.

Your responsibility: The ELD records; you remain responsible. Review your log every day and certify it only when it is true and correct (§395.8(e), §395.30).

Edits: The original, automatically recorded data can never be deleted. Any change you make is stored as an edit with your annotation, next to the original.

A2

Signing In

Every driver uses their own credentials so hours are credited to the right person.

- 1 Open the **1S EW ELD** app on the cab tablet.
- 2 Type your carrier-issued **Username**.
- 3 Type your **Password**. Tap the eye icon to show or hide it.
- 4 Tap **Login**. The home screen opens.

Rule: Never drive under another driver's login or log in for someone else. Each duty status change must be attributed to the driver who performed it (\$395.26).

Tip: If the truck moves while nobody is logged in, the time is stored as *unidentified driving* and must be reviewed later. Log in before you move.

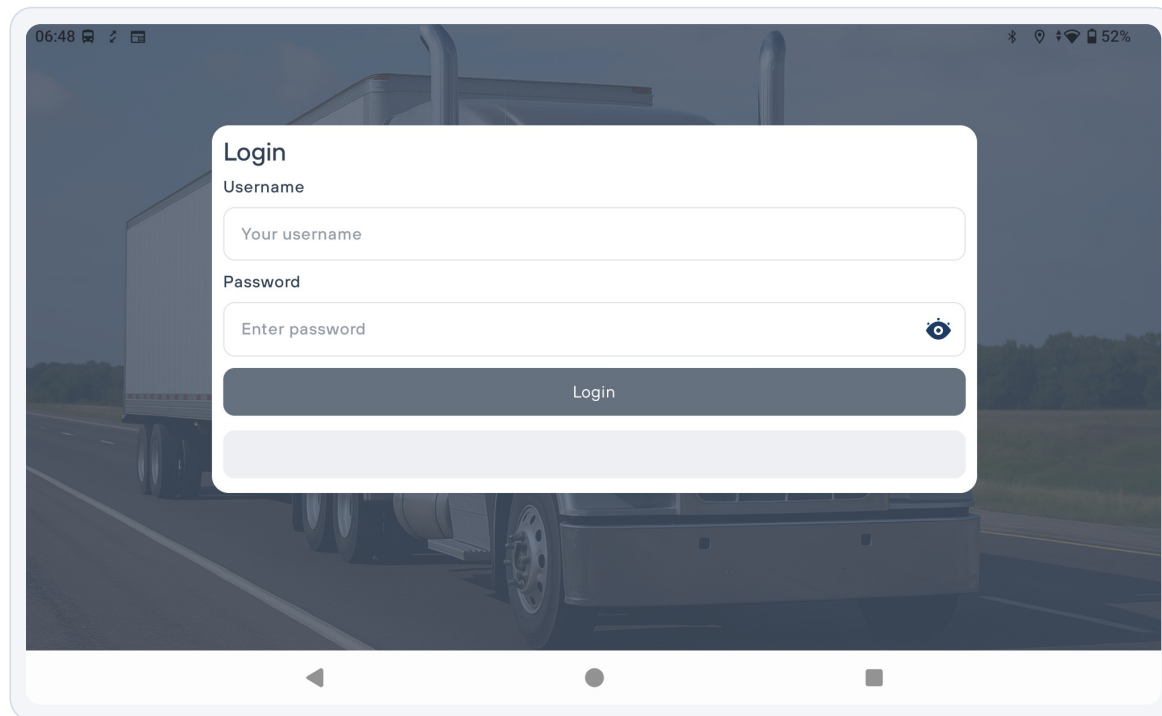


Fig A2 Login screen with username and password fields.

A3 Home Screen at a Glance

Everything you need during a shift is one tap away from this screen.

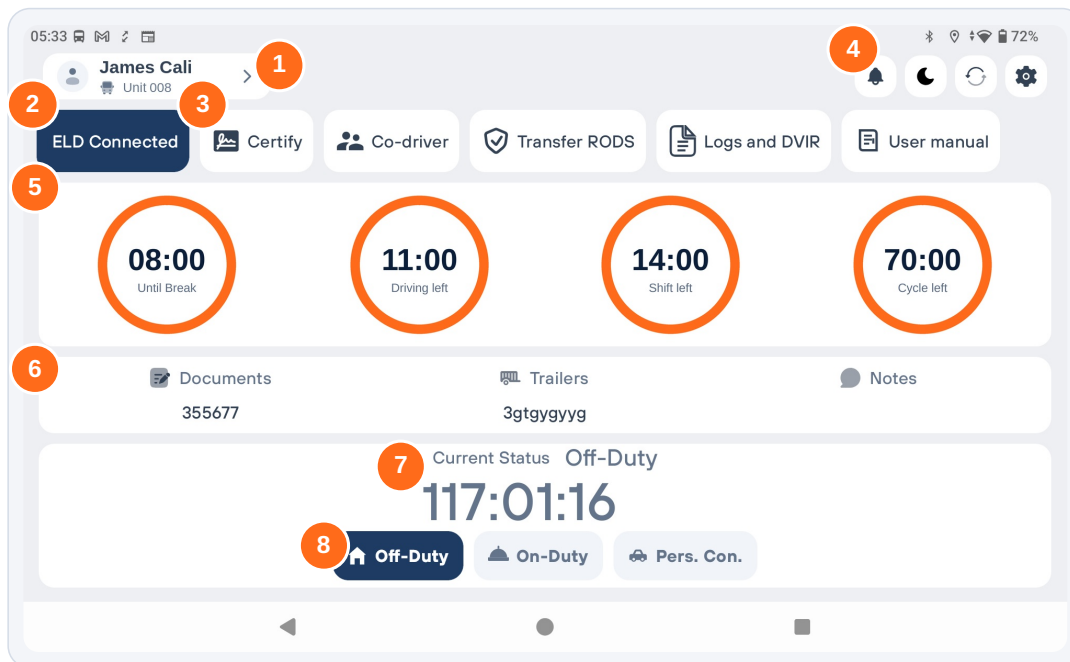


Fig A3 Home screen, ELD connected, driver Off-Duty.

- 1 **Driver & unit** — logged-in driver (James Cali) and truck number (008). Tap to open the profile.
- 2 **ELD status** — navy = connected to the vehicle unit, red = disconnected.
- 3 **Toolbar** — Certify, Co-driver, Transfer RODS, Logs and DVIR, User manual.
- 4 **Utilities** — notifications, night mode, sync, settings.
- 5 **HOS timers** — four circular clocks; see A4.
- 6 **Documents / Trailers / Notes** — current shipping document and trailer numbers.
- 7 **Current status** — active duty status and how long you have been in it.
- 8 **Quick status buttons** — switch status in one tap.

A4

Reading the Circular HOS Timers

Each ring empties as you use the hours it represents. A full ring means the full allowance is available.



Timer	What it counts down	Property-carrying limit (49 CFR §395.3)
Until Break	Driving time left before a break is due.	A 30-minute interruption is required after 8 cumulative hours of driving. Off-duty, sleeper berth or on-duty-not-driving time all count.
Driving left	Driving time left in the current duty period.	Maximum 11 hours of driving after 10 consecutive hours off duty.
Shift left	Time left in the on-duty window.	No driving after the 14th consecutive hour since coming on duty. Off-duty breaks do not extend it.
Cycle left	On-duty hours left in the rolling cycle.	No driving after 70 on-duty hours in 8 consecutive days. A 34-hour off-duty period may restart the cycle.

Remember: Timers are a planning aid calculated from your recorded log. When a ring reaches 00:00, stop driving — legality is always judged against the regulations and your actual record.

A5 Pairing with the Vehicle

The app must be paired with the vehicle unit so engine hours, miles and motion are captured automatically.

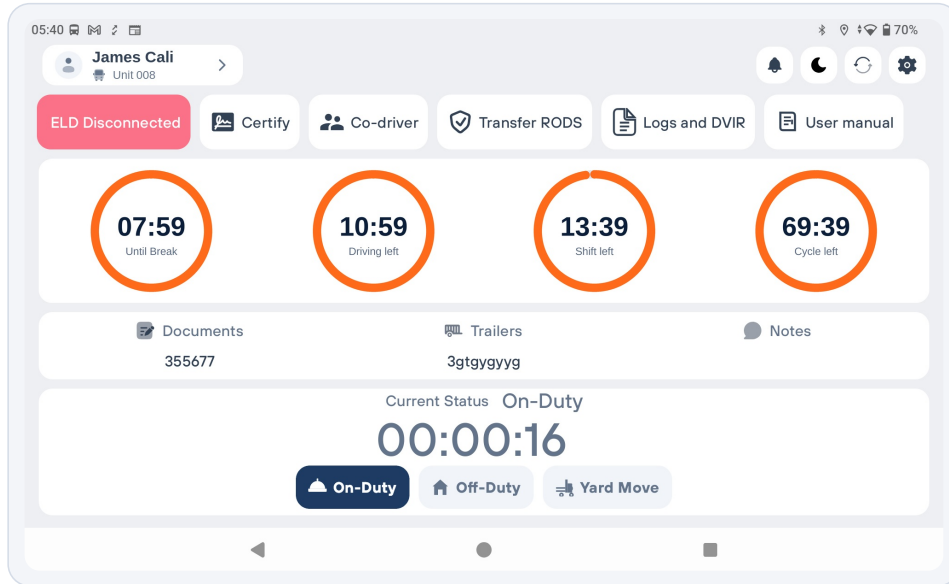


Fig A5a Status pill shows ELD Disconnected (red).

- ① Turn the ignition on and make sure tablet Bluetooth is enabled.
- ② Tap the red **ELD Disconnected** pill.
- ③ Tap **Search for devices** and wait while it scans.

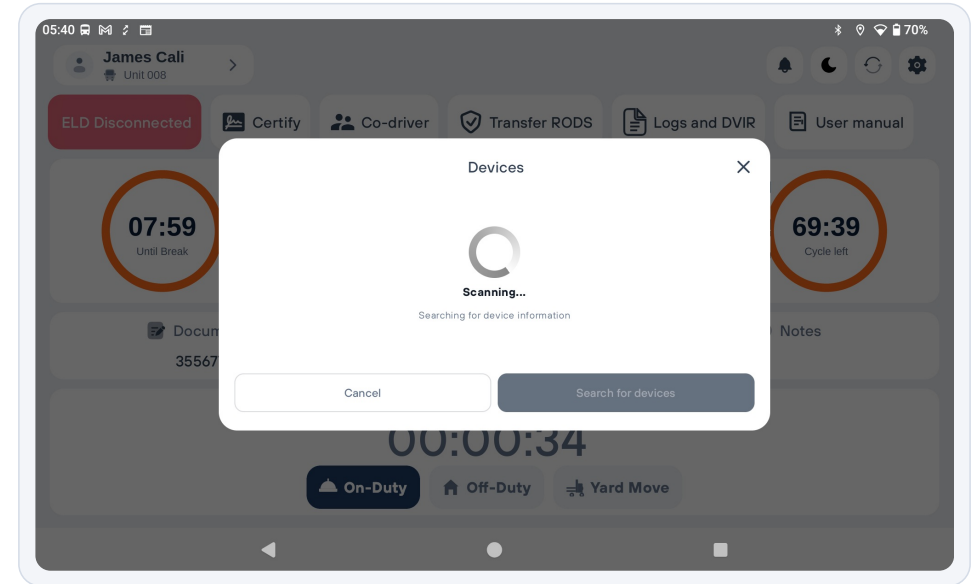


Fig A5b Devices dialog scanning for the vehicle unit.

- ④ Select the vehicle unit for truck 008 from the list.
- ⑤ Confirm the pill turns navy and reads **ELD Connected**.

A6

Disconnecting

Unpair only when you are finished with the truck or switching vehicles.

- 1 Stop the vehicle in a safe place.
- 2 Tap the navy **ELD Connected** pill.
- 3 Read the prompt *Do you really want to disconnect device?*
- 4 Tap **Change** to disconnect, or **Cancel** to stay connected.

Caution: Driving while disconnected means motion and engine data are not captured. A prolonged loss of connection can trigger an engine-synchronization diagnostic or malfunction (Part E).

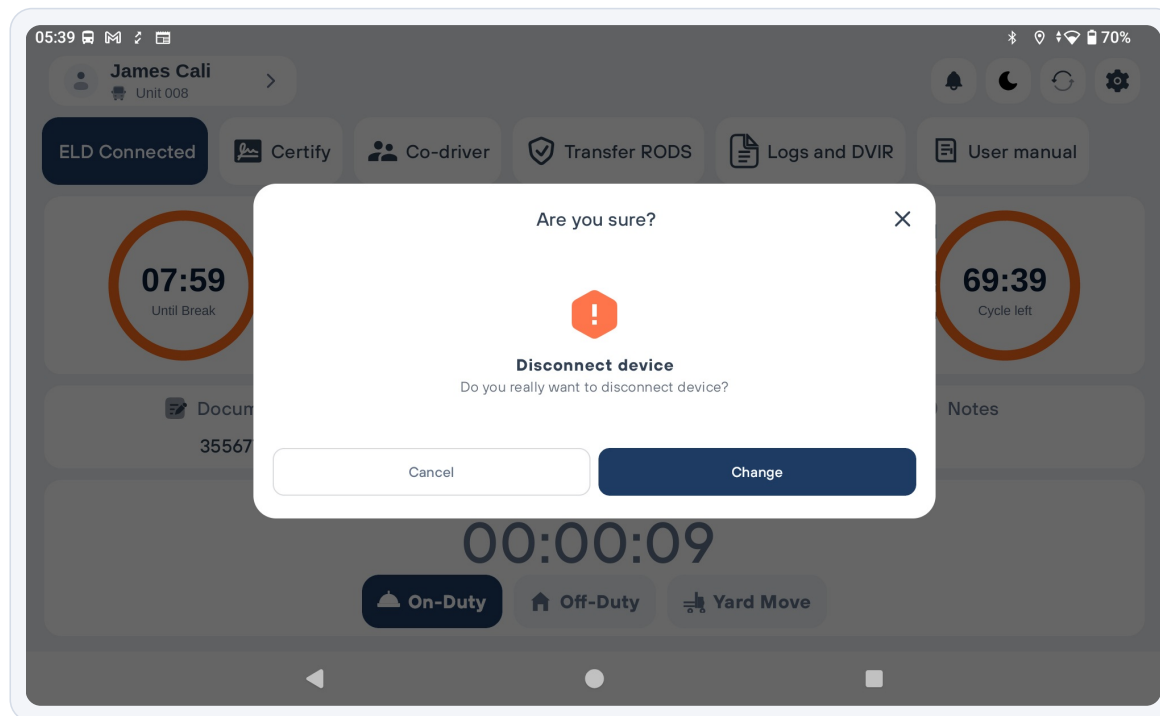


Fig A6 Disconnect confirmation prompt.



PART B

Duty Status on the Road

Record what you are doing, every minute of the shift, the way §395.8 requires.

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B1

Changing Duty Status

Your status must always match what you are actually doing (\$395.8).

- 1 On the home screen, tap a quick status button, or open **Change duty status**.
- 2 Choose **Off-Duty**, **On-Duty** or **Pers. Con.** (personal conveyance). **Yard Move** appears when your carrier enables it.
- 3 Check the GPS **Location**.
- 4 Add **Notes** if useful (60 characters).
- 5 Confirm **Trailers** or tick **Bobtail**.
- 6 Confirm **Documents** or tick **N/A / Empty**.
- 7 Tap **Save**.

Special categories: Personal conveyance is off-duty time and Yard Move is on-duty time. Use them only as your carrier's policy and FMCSA guidance allow.

The screenshot shows the 'Change duty status' screen on a mobile device. At the top, the status is 'Off-Duty'. Below this, there are three buttons: 'Off-Duty', 'On-Duty' (which is highlighted with a dark blue background and a white truck icon), and 'Pers. Con.'. The 'Location' field shows '2.24 NW from'. The 'Notes' field has a placeholder 'Enter notes' and a character count of 60. The 'Trailers' section has a 'Bobtail' button and a checkbox for 'Bobtail' which is checked. The 'Documents' section has an 'Empty' button and checkboxes for 'N/A' and 'Empty', with 'Empty' checked. At the bottom, there are 'Cancel' and 'Save' buttons. The device's status bar at the top shows the time as 05:35 and battery at 71%.

Fig B1 Change duty status screen, On-Duty selected.

B2

Driving Mode

The app takes over automatically as soon as the truck moves.

WHAT HAPPENS AUTOMATICALLY

- At no more than 5 mph the status switches to **Driving** — you cannot choose it manually.
- The screen simplifies to the timers and current status so you are not distracted.
- Location is logged at least every 60 minutes while you drive.
- After the truck stops for 5 minutes, you are prompted to pick a new status. With no response within 1 minute, the app records On-Duty (not driving).

ENDING A DRIVING SEGMENT

- 1 Bring the truck to a complete, safe stop.
- 2 Tap **Change duty status** and choose the correct status.

Safety: Do not handle the tablet while the vehicle is moving.

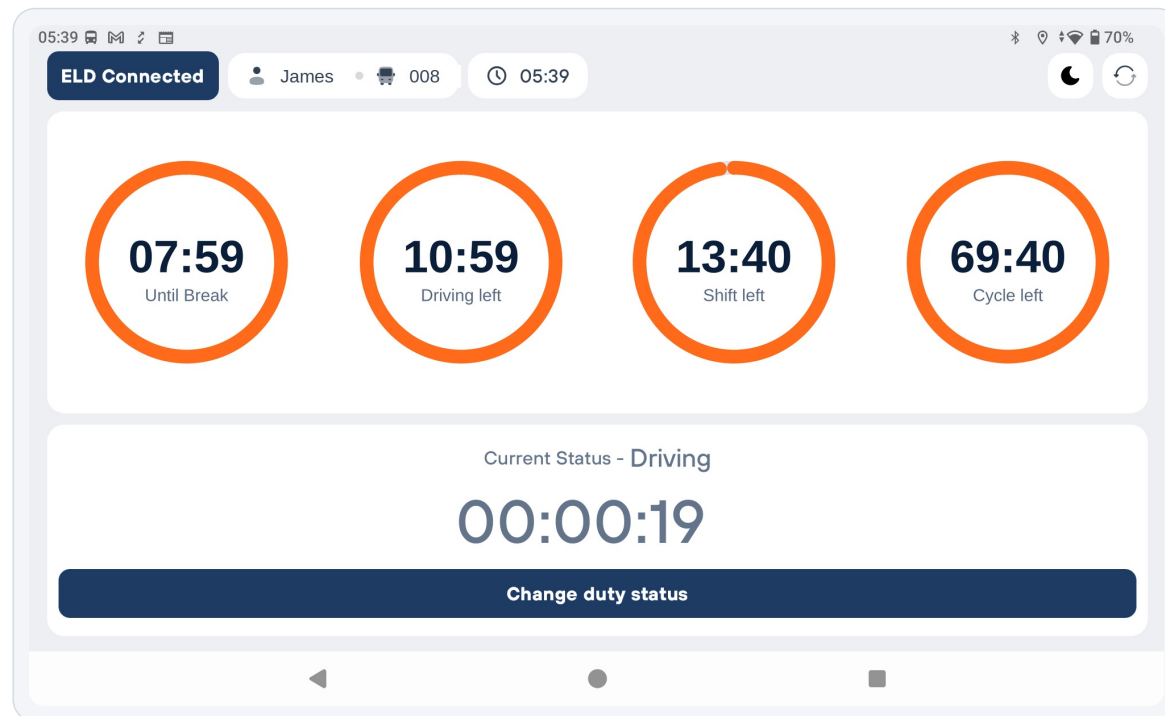


Fig B2 Driving mode: compact header (James · 008) and circular timers.

B3

Trailers & Shipping Documents

Update trailer and shipping-document numbers without changing your status.

- 1 Tap the **Documents** or **Trailers** field on the home screen.
- 2 The **Update duty status** sheet slides up.
- 3 Enter the trailer number, or tick **Bobtail**.
- 4 Enter the shipping document number, or tick **N/A** or **Empty**.
- 5 Optionally add a note.
- 6 Tap **Save**.

Why it matters: Shipping document numbers must be identifiable on your record of duty status (\$395.8). Update them every time you pick up a new load.

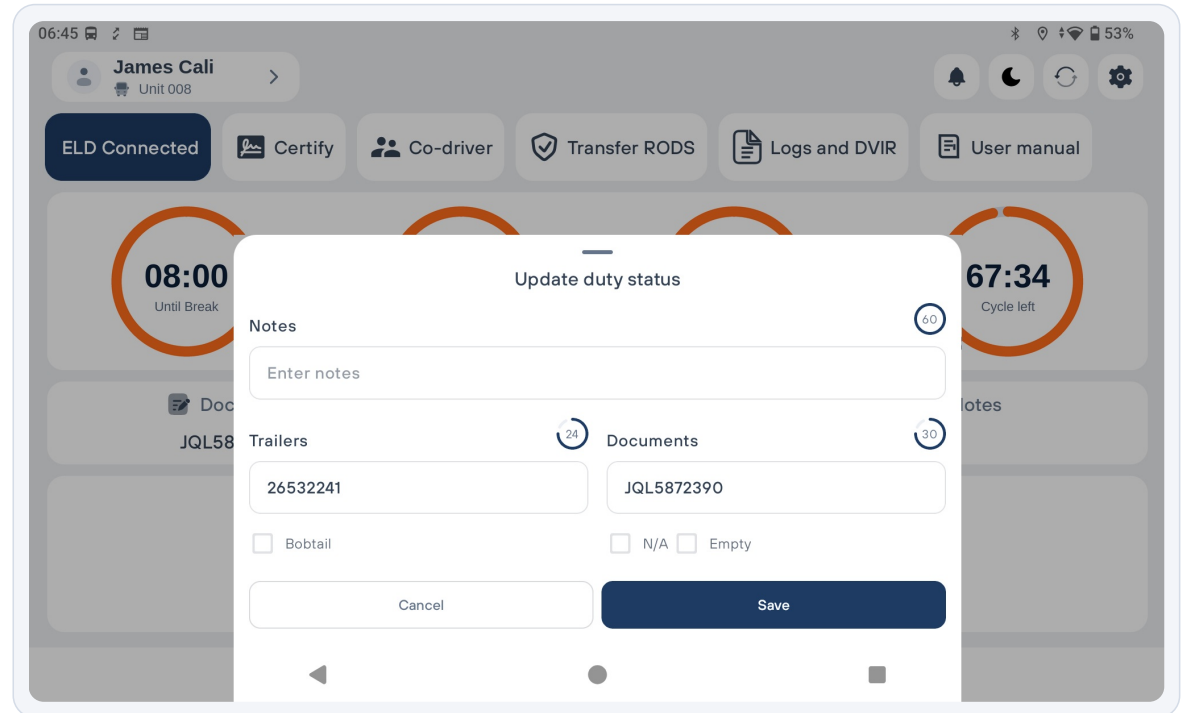


Fig B3 Update duty status sheet with trailer and documents.



PART C

Logs, Edits & Certification

Review your record of duty status, correct it properly, sign it, and hand it to an officer.

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C1

Your Daily Log

The current 24-hour period plus the previous 7 days are always available.

- 1 Tap **Logs and DVIR** on the home screen.
- 2 Pick a day from the list on the left.
- 3 Check the header: driver, unit 008, carrier and addresses.
- 4 Read the graph grid. Each row is a duty status: **OFF**, **SB** (sleeper berth), **DR** (driving), **ON** (on duty).
- 5 Totals for each row appear at the right edge.
- 6 Tap **Refresh** to pull the latest data.

Format: The graph grid reproduces the traditional paper log format of §395.8, so an inspector can read it at a glance.

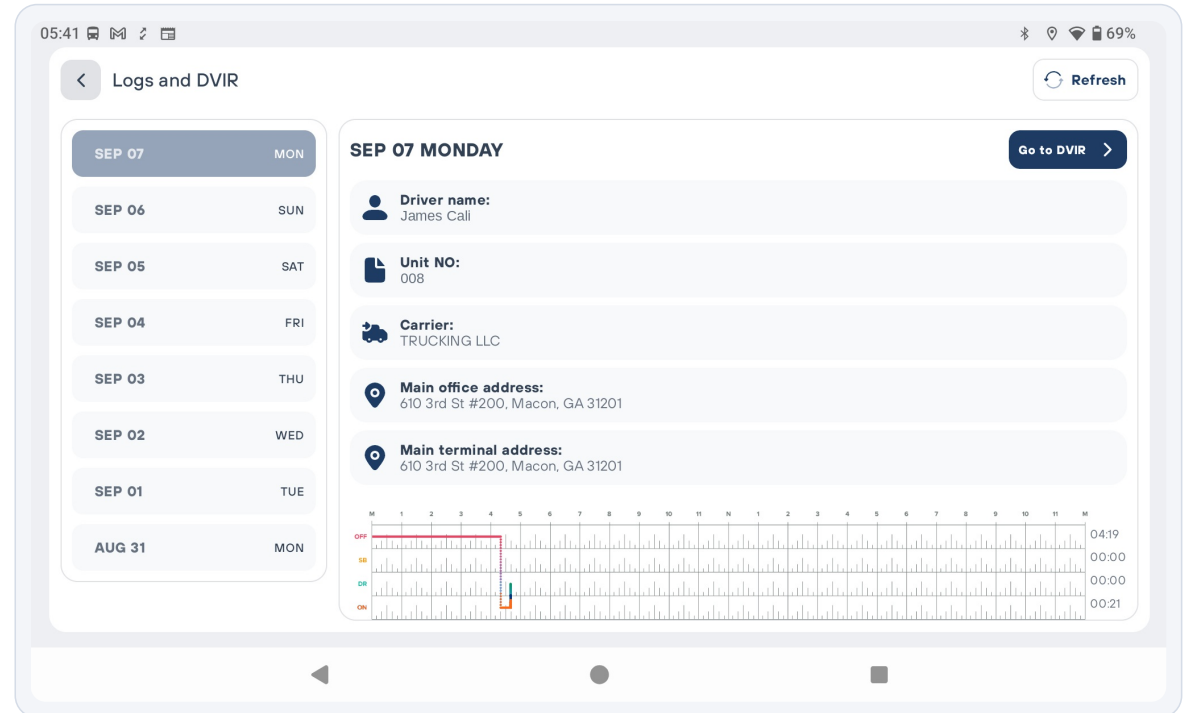


Fig C1 Daily log header and 24-hour graph grid.

C2 Event List

Every recorded event for the day, line by line.

COLUMNS

- **Status** — OFF (red), LOGIN (gray), ON (orange), DR (green).
- **Start / Duration** — when it began and how long it lasted.
- **Location** — recorded place description.
- **Unit number / Odometer** — captured from the vehicle.

ACTIONS

- The pencil icon opens the event for editing or annotation (C3).
- Automatically recorded driving events cannot be changed to shorten driving time.

05:44

</

Fig C2 Event list for the selected day.

C3

Editing or Annotating an Event

Fix a mistake the right way — the original stays on file (§395.30(c)).

- 1 In the event list, tap the pencil next to the event.
- 2 The **Annotation Log** opens with the segment highlighted on the grid.
- 3 Choose the correct status: **Off-Duty**, **Sleep** or **On-Duty**.
- 4 Adjust **Start Time** or **End Time** if needed.
- 5 Check odometer, truck, location, ship docs and trailers.
- 6 Enter the reason in **Remarks** (C4).

Carrier edits: Edits made by your carrier appear as proposals. They become part of your record only after you review and accept them.

The screenshot shows the 'Annotation Log' interface on a mobile device. At the top, the status bar shows 05:47, signal strength, and 68% battery. The title bar says '< Annotation Log'. Below is a grid with four rows: OFF (red), SB (yellow), DR (green), and ON (blue). The 'OFF' row is highlighted with a red bar from 00:00:00 to 04:19:32. Below the grid are three buttons: 'Off-Duty' (selected), 'Sleep', and 'On-Duty'. Underneath are four input fields: 'Start Time' (00:00:00), 'End Time' (04:19:32), 'Odometer' (399717), and 'Truck' (008). Below these are four more input fields: 'Location Name' (5.11 NW from Mooresville, IN), 'Ship Docs' (JQL5872390), 'Trailers' (bobtail), and 'Remarks' (Enter Remarks). At the bottom right are 'Cancel' and 'Save' buttons. The bottom of the screen shows the Android navigation bar.

Fig C3 Annotation Log for an Off-Duty segment.

C4

Giving a Reason & Saving

Every edit needs a written explanation.

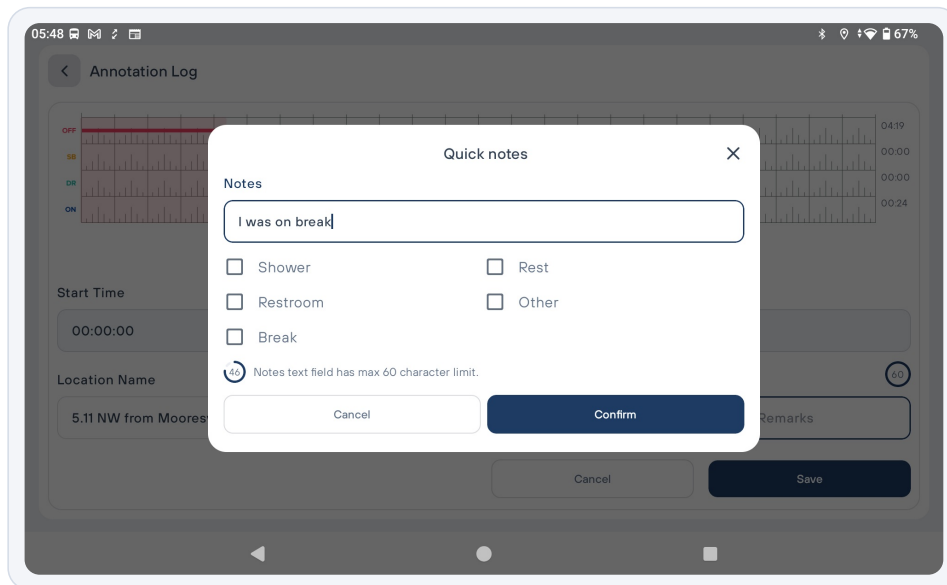


Fig C4a Quick notes: type a reason or pick a preset.

- 1 Tap **Remarks** to open **Quick notes**.
- 2 Type the reason (up to 60 characters) or tick a preset: Shower, Rest, Restroom, Break, Other.
- 3 Tap **Confirm**.

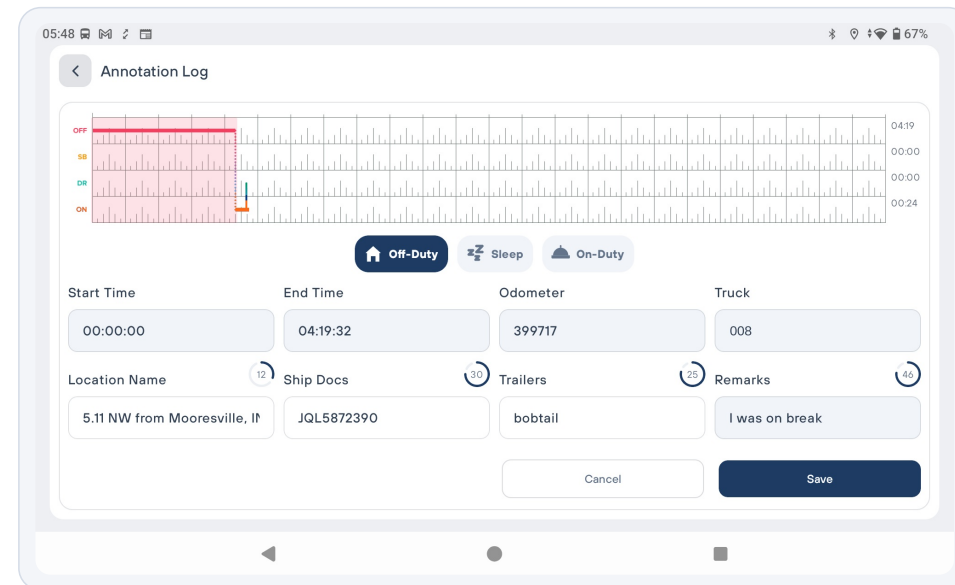


Fig C4b Remark filled in, ready to save.

- 4 Check that the remark appears in the Remarks field.
- 5 Tap **Save**. The day is now marked as needing recertification (C6).

C5

Certifying Your Logs

Sign each 24-hour record to confirm it is true and correct (§395.30(b)).

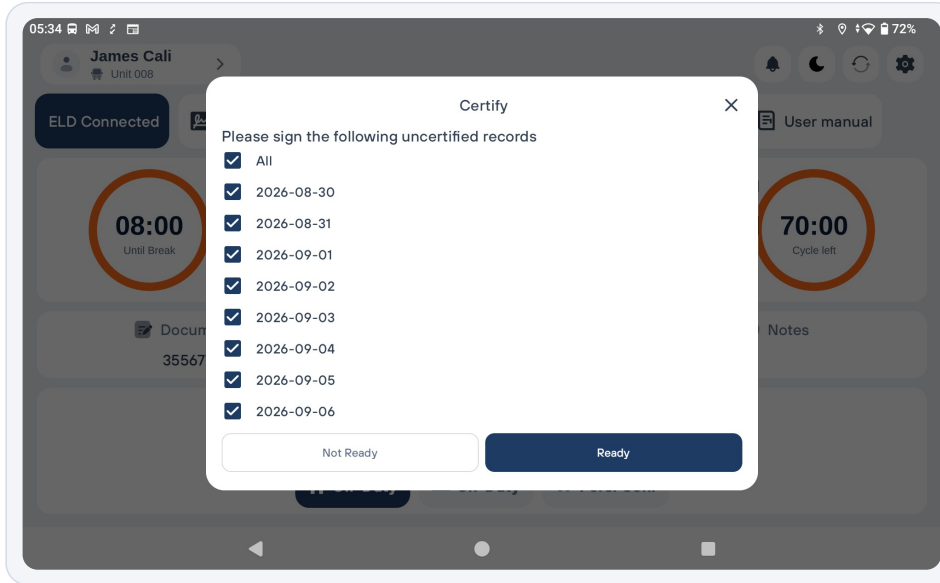


Fig C5a All uncertified days listed with checkboxes.

- 1 Tap **Certify** on the home screen.
- 2 Tick the days to sign, or tick **All**.
- 3 Tap **Ready** (or **Not Ready** to review first).

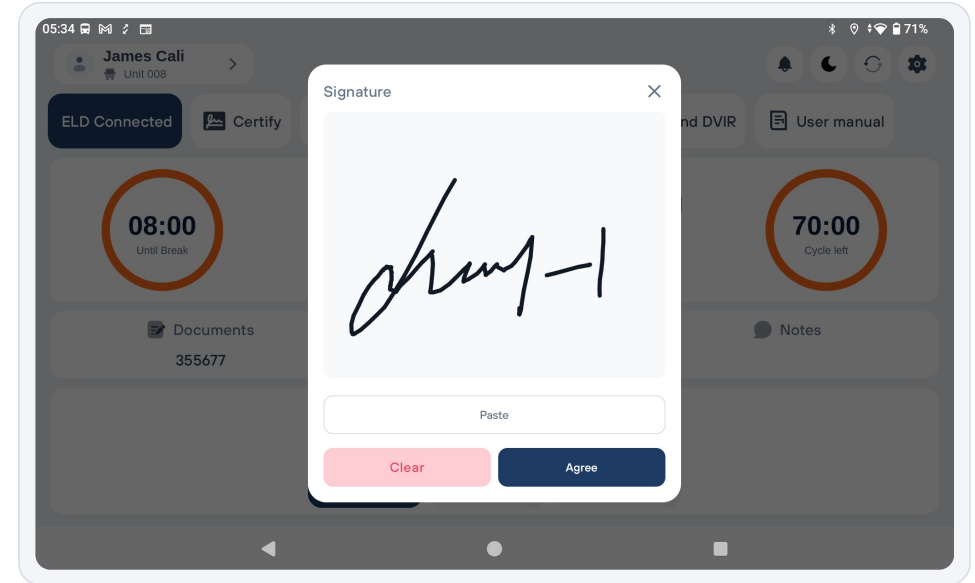


Fig C5b Signature pad.

- 4 Sign with your finger, or tap **Paste** for a saved signature.
- 5 Tap **Clear** to redo it.
- 6 Tap **Agree** to certify.

C6

Recertifying After a Correction

A changed day is not compliant until you sign it again.

- 1 After saving an edit, tap **Certify**.
- 2 The edited day appears in the uncertified list.
- 3 Read the statement: *I hereby certify that my data entries and my duty status record for these days are true and correct.*
- 4 Sign, then tap **Agree**.

Habit: Make a habit of opening Certify at the end of every shift. An empty list means all your days are signed.

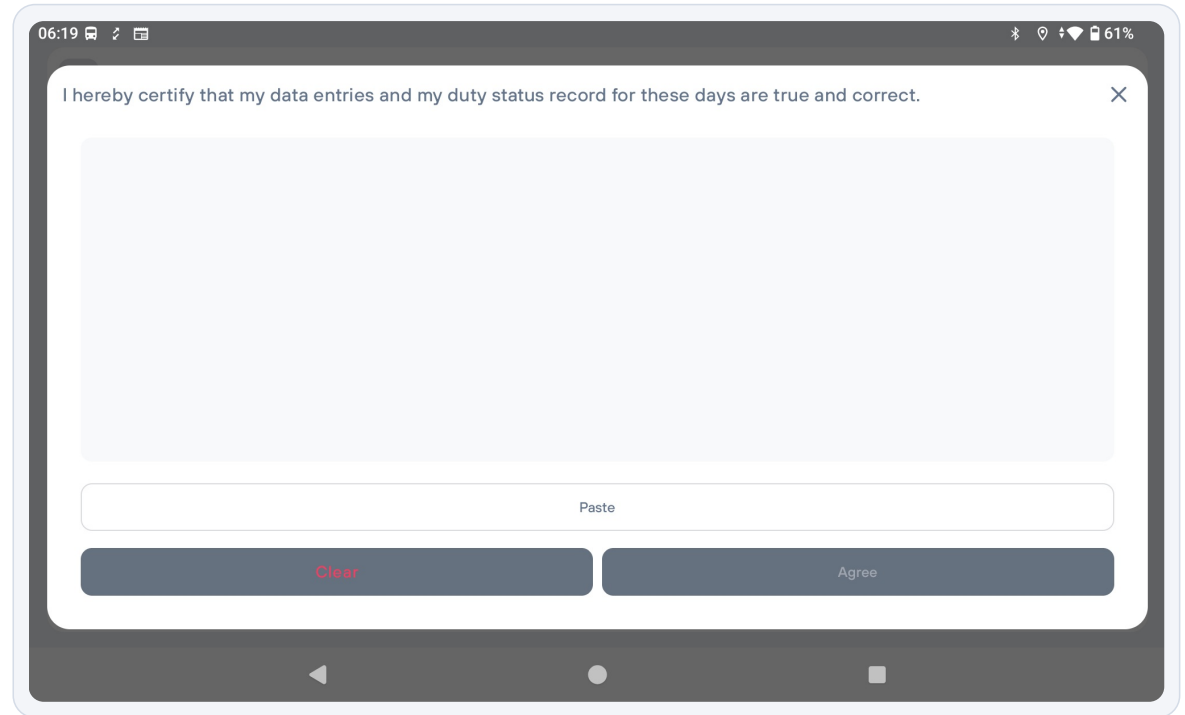


Fig C6 Recertification signature screen.

C7

Roadside Inspection: Transfer RODS

Show or send your records the moment an officer asks (§395.24(d)).

SHOWING THE LOG ON SCREEN

- 1 Tap **Transfer RODS**.
- 2 Pick any day from today back 7 days.
- 3 Hand over the tablet, or show the Driver's Daily Log preview.

SENDING THE LOG ELECTRONICALLY

- 4 Enter the comment or code the officer gives you.
- 5 Choose **Web** (wireless web services) or **Email**.
- 6 Tap **Send**.

No connection?: If the transfer fails, try the other method. If both fail, follow the malfunction procedure in Part E and show your records another way.

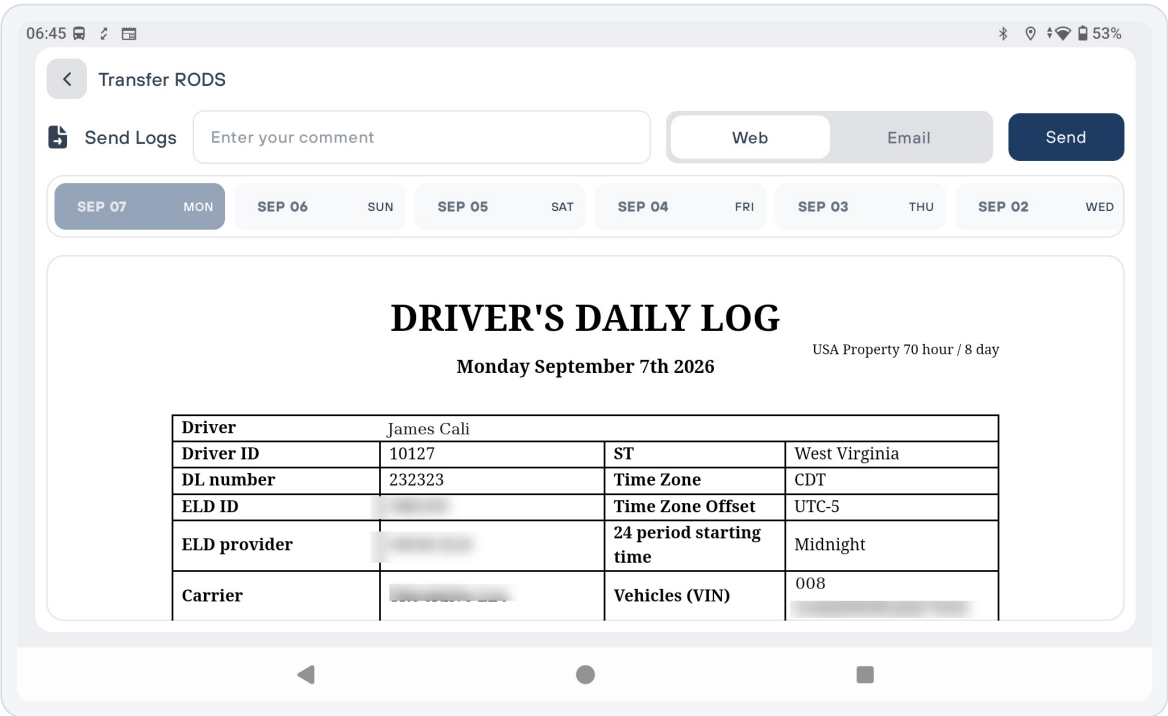


Fig C7 Transfer RODS: comment, Web/Email, day picker and log preview (sensitive fields blurred).



PART D

Vehicle Inspection Reports

Document vehicle defects found during your inspection under 49 CFR §396.11.

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D1

Starting a DVIR

Report the condition of truck 008 and any trailers (\$396.11).

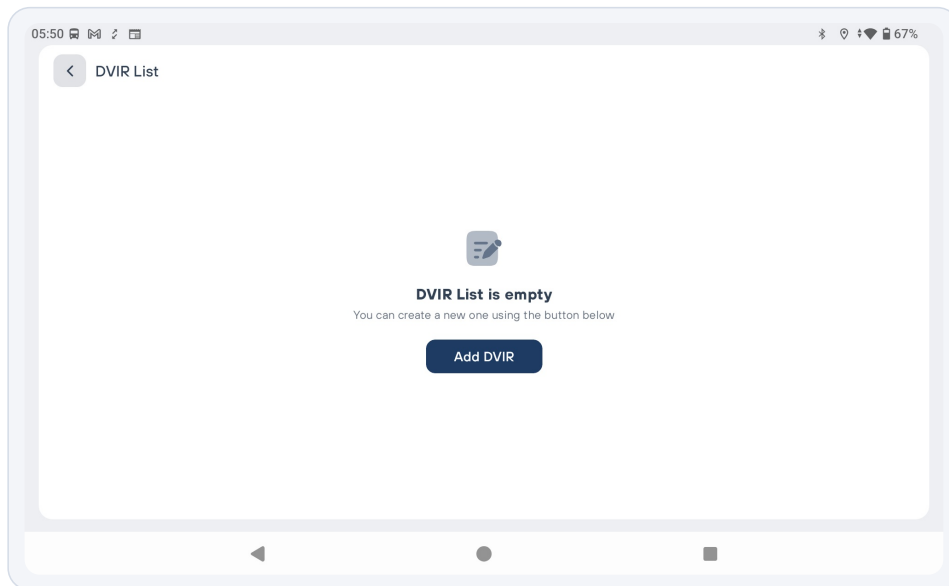


Fig D1a Empty DVIR list with Add DVIR.

- 1 Open **Logs and DVIR** and tap **Go to DVIR**.
- 2 Tap **Add DVIR** (or **Create DVIR**).
- 3 Check **Vehicle** (008), date/time, location and odometer.

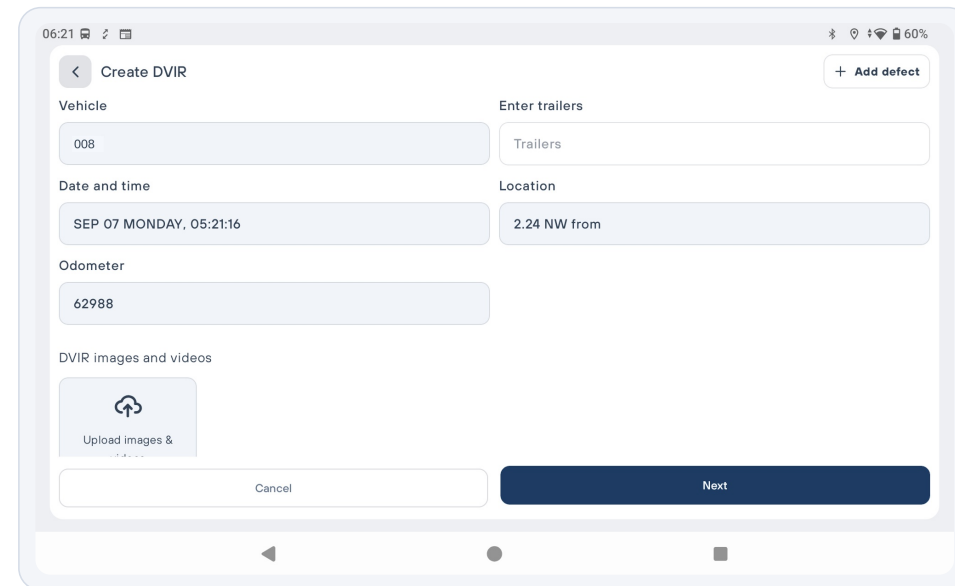


Fig D1b Create DVIR form.

- 4 Enter trailer numbers.
- 5 Tap **+ Add defect** for anything found (D2) and attach photos or video.
- 6 Tap **Next** to review and sign.

D2

Recording Defects

Pick the exact component so maintenance can act fast.

- 1 Tap **+ Add defect** on the Create DVIR form.
- 2 Choose **Unit defects** for the power unit, or **Intermodal defects** for intermodal chassis equipment.
- 3 Tick every defective item.
- 4 Tap **Save changes**.

ITEMS AN INSPECTION MUST COVER (§396.11)

Service brakes and trailer brake connections, parking brake, steering, lights and reflectors, tires, horn, wipers, mirrors, coupling devices, wheels and rims, emergency equipment.

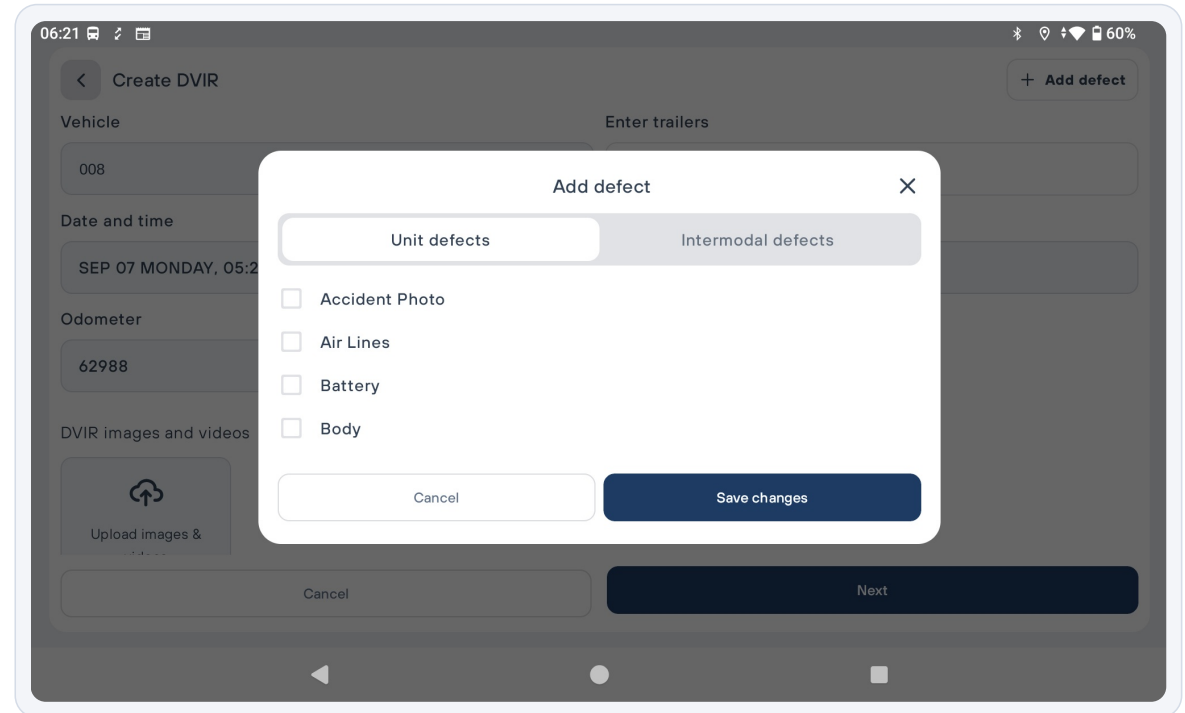


Fig D2 Add defect dialog with Unit and Intermodal tabs.

D3

DVIR History

Track every report and its repair status.

- **Time** — when the report was created.
- **Trailers / Location / Odometer** — captured details.
- **Status** — *TO BE CORRECTED* means a defect is open.
- **Create DVIR** adds a report; **Delete DVIR** removes one entered by mistake.

Before your next trip: Before driving, review the last DVIR. If defects were listed, the vehicle may not be operated until the repair is certified, and you must sign to acknowledge it (§396.11, §396.13).

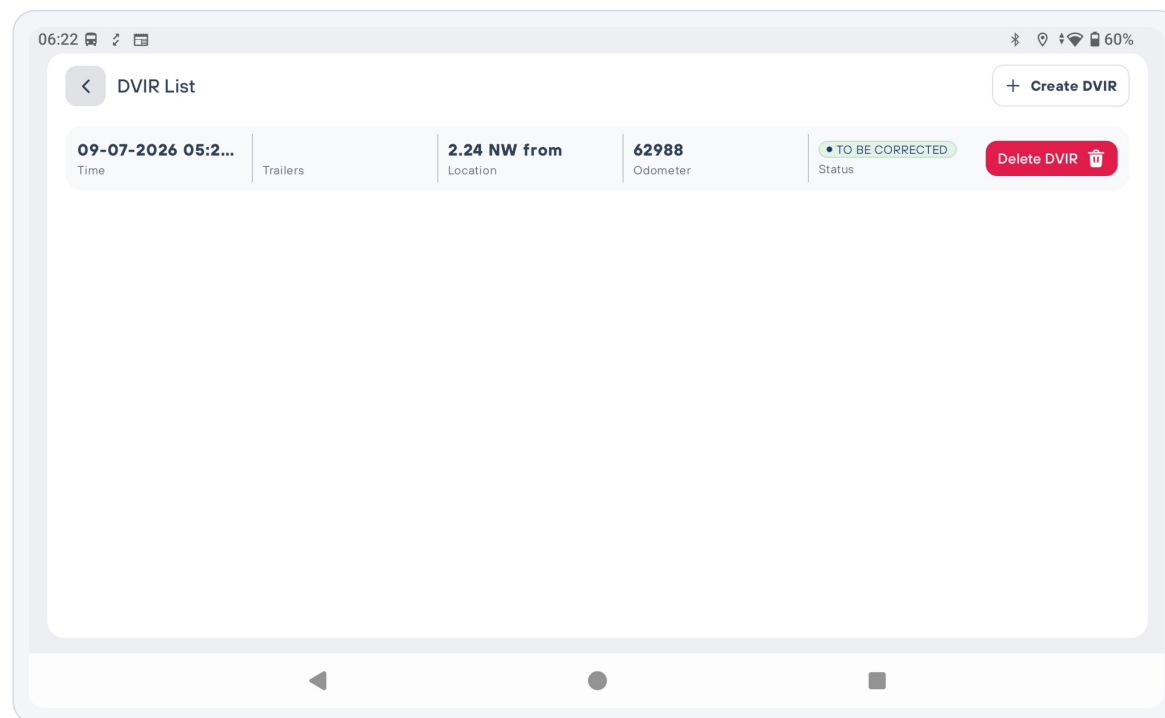


Fig D3 DVIR list with an open TO BE CORRECTED report.



PART E

Malfunctions & Diagnostics

Recognize ELD malfunction and diagnostic alerts and follow the §395.34 procedure.

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E1

Malfunction Codes

A malfunction means the ELD no longer meets a technical requirement (§395.34).

Code	Malfunction	Typical trigger
P	Power compliance	ELD not powered and functional within 1 minute of engine power, or 30+ minutes of power loss in 24 hours.
E	Engine synchronization	No engine data (motion, miles, engine hours) for 30+ minutes in 24 hours.
T	Timing compliance	ELD time drifts more than 10 minutes from UTC.
L	Positioning compliance	No valid location for 60+ minutes in 24 hours while moving.
R	Data recording	The ELD can no longer record or retain required events.
S	Data transfer	Data-transfer self-checks keep failing.
O	Other	Any other malfunction detected by the ELD.

HOW IT SHOWS UP

- The status pill on the home screen changes (for example to red **ELD Disconnected**).
- An alert names the code.
- The event is stored on your log as a malfunction indicator.

HOS still apply: A malfunction does not pause Hours of Service. Keep tracking your hours on paper until the ELD is repaired.

E2

Diagnostic Events & What To Do

Diagnostics flag data problems; malfunctions require the full procedure below.

Code	Data diagnostic event
1	Power — power interruption detected.
2	Engine sync — engine data temporarily lost.
3	Missing data elements — a recorded event lacks a required field.
4	Data transfer — a transfer self-check failed.
5	Unidentified driving — 30+ minutes of driving with no driver logged in during 24 hours.
6	Other — any other data inconsistency.

Good to know: Diagnostics usually clear once the cause is fixed — for example, a GPS fix is regained or unidentified driving is reviewed and assigned.

DRIVER PROCEDURE FOR A MALFUNCTION — §395.34(A)

- 1 **Note it** — record the code and the time you noticed it.
- 2 **Tell your carrier in writing** within 24 hours.
- 3 **Reconstruct** your records on paper for the current 24 hours and the previous 7 days, unless they can be retrieved from the ELD.
- 4 **Keep paper logs** until the ELD is serviced.
- 5 **At inspection**, show the paper records and any ELD data you have.

CARRIER OBLIGATIONS — §395.34(C)

Repair or replace the ELD within **8 days** of learning of the malfunction. If more time is needed, request an extension from the FMCSA Division Administrator within 5 days of the driver's notice.



APPENDIX

Appendix

Troubleshooting, regulation map and glossary.

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X1

Troubleshooting

Quick fixes for the issues drivers report most.

You see	Do this	See
Red ELD Disconnected pill	Ignition on, Bluetooth on, then Search for devices.	A5
Cannot pick a status while moving	Expected. Stop safely first.	B2
Prompt to change status after stopping	Choose your real status within 1 minute.	B2
Days keep appearing under Certify	A day was edited — recertify it.	C6
Officer's transfer failed	Switch Web ↔ Email; then malfunction steps.	C7, E2
DVIR shows TO BE CORRECTED	Do not drive until the repair is certified.	D3
Malfunction or diagnostic code	Note it, notify carrier in 24 h, go to paper if needed.	E1, E2
Unidentified driving alert	Review the records and accept the ones that are yours.	E2

Support: For anything not covered here, contact your carrier's safety department or 1S EW ELD support from the **User manual** button.

X2

Regulation Map & Glossary

Where each screen fits in the rules, and the terms used in this manual.

Screen	Regulation
Duty status, Driving mode	§395.8, §395.24, §395.26
Daily log & graph grid	§395.8
Annotation Log (edits)	§395.30(c)
Certify / Recertify	§395.30(b)
Transfer RODS	§395.24(d)
In-cab documents	§395.22(h)
Malfunctions & diagnostics	§395.34
DVIR	§396.11, §396.13
HOS limits (timers)	§395.3

Term	Meaning
ELD	Electronic Logging Device
HOS	Hours of Service
RODS	Record of Duty Status
DVIR	Driver Vehicle Inspection Report
PC	Personal conveyance (off duty)
YM	Yard move (on duty)
SB	Sleeper berth
UTC	Coordinated Universal Time
VIN	Vehicle Identification Number



Driver User Manual · Revision 1.0

Keep this manual in the vehicle at all times — 49 CFR §395.22(h)