



GPSINSIGHT  
Engage Your Fleet.

# ELD Complete Driver Guide



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# ELD DRIVER OPERATION

## Driver Authentication

The ELD has three different accounts:

- **Driver:** Unique, per-driver account used by drivers Hours of Service and ELD regulations. This account records duty status changes (RODS) and allows the export of driver's records for printout, display and agent output file generation.
- **Support:** Account used by the carrier and ELD manufacturer to setup, configure, update and troubleshoot the ELD. No duty status changes are recorded with this account and no access to driver's record of duty status changes is permitted under the support account.
- **Non-authenticated:** All operation of a commercial motor vehicle (CMV) is recorded under this account (a.k.a Unidentified Driver) if no driver has logged into the ELD. Non-authenticated records (vehicle movement and on-duty time) are stored on the ELD as well as the carrier and should be assumed by a driver account.

Log in using your driver's credentials. Login IDs, and the driver's license associated with the login ID, cannot be duplicated and are unique in the ELD system.

- Each driver using the system will have a unique login ID.
- This login name and password is for the specific driver's use only and must not be shared with any other person (driver or not). The login name belongs to the driver and is linked to the driver's personal information (e.g. driver's license, etcetera). If the driver changes carrier and is now driving for a different carrier, the login name, under certain circumstances, will remain the same and it is the driver's obligation to ask the home base carrier to update the carrier name and DOT number on the system.

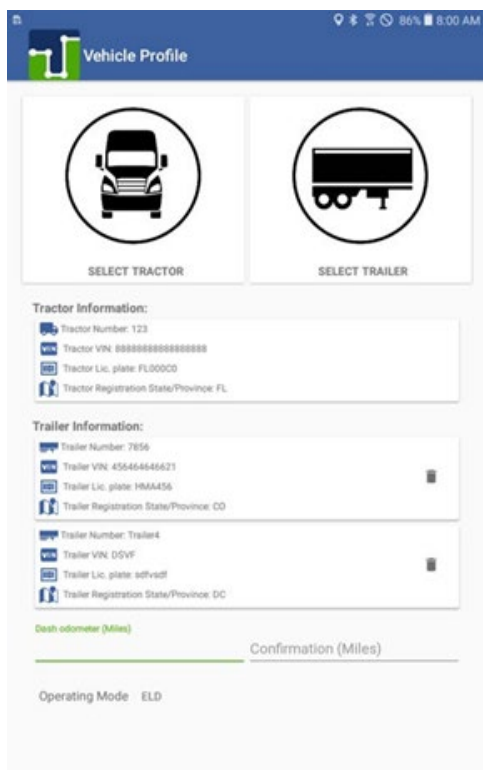
The driver is restricted to be logged on to only one ELD at any time. In order for the driver to logon on a different mobile device, the driver must change to off duty status and logout from the previous device.

**Driver's Unlock** - In an event the driver is still logged on a ELD, but the device ceased to function or gets lost, the driver must call the home base carrier and ask for his login name to be unlocked. The unlock process will change the driver's status to off duty at the time the driver solicited the login unlock.



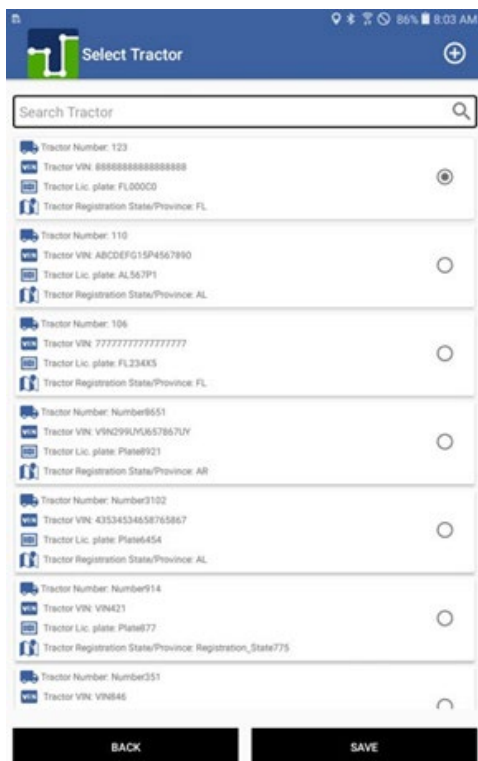
## SELECTING A VEHICLE PROFILE (ASSETS)

Before driver's logs can be exported and shared with an authorized agent, the driver must update the correct vehicle information. Please tap on the truck or trailer image to pick from the asset list downloaded during the login (see list below) or to manually enter (if allowed) a new truck or trailer. Once you select a tractor or trailer from the downloaded list the ELD will always use the VIN number, license plate and registration state displayed on the list.

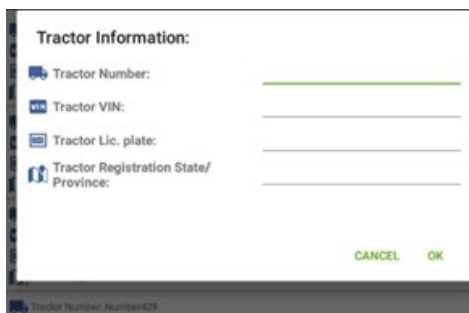


**Important:** Enter your vehicle's dashboard's odometer value (twice) in order for the ELD to adjust discrepancies between the dashboard and engine odometer.

Make tractor and trailer selection:



You can also add a new tractor or trailer (if allowed by your carrier) by selecting the + button located on the top right of the screen:



- Once a new asset is created on the ELD, the asset information is broadcasted to the ELD portal and other ELDs operating under the same carrier.

## DRIVER PROFILE (PREFERENCES)

We recommend verifying the driver's profile. Please make sure the information is correct: carrier name, your rule set (60-hour or 70-hour) and the home base time zone. Select the ruleset drop-down to change rule set from 60h to 70h and vice versa. Select the units of measurement (miles, gallons, kilometers or liters). Starting 24h time is set by your carrier but could be changed at any time. Just keep in mind that the new 24h starting time will take effect on your next cycle (after the 36h restart).



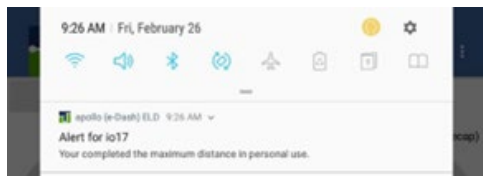
Driver Profile	
Name	John Smith
ID	JD16FL222
Carrier Name	CTIA Trucking
Carrier ID	163453803
Home Base	apollo NY
Time Zone	Pacific
License State	FL
License Number	P500101894490
Operating Mode	ELD
Rule Set	60 Hours/7 Days
Distance/Volume	Miles/Gallons
Starting 24h time	Midnight

## PERSONAL USE (PU) AND YARD MOVES (YM)

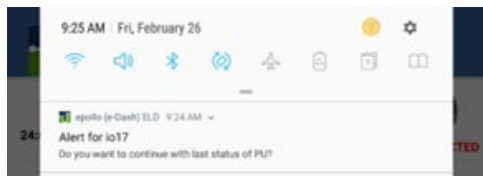
As a driver, current regulations allow up to 75 Km of driving for personal use. This provision allows you to, for instance, drive to the nearest rest area, drive home among other reasons. The ELD will prompt you to add a pre-defined remark or type a different reason.

- The ELD must be connected to the ECM device in order for the Personal Use provision (button) to be available.

Once you have reached the 75 Km limit you will receive a notification and you will be automatically switched to Driving duty status:



If the ELD shuts down (e.g. power loss) or restarted, you will be prompted to either exit or continue the Personal Use status:



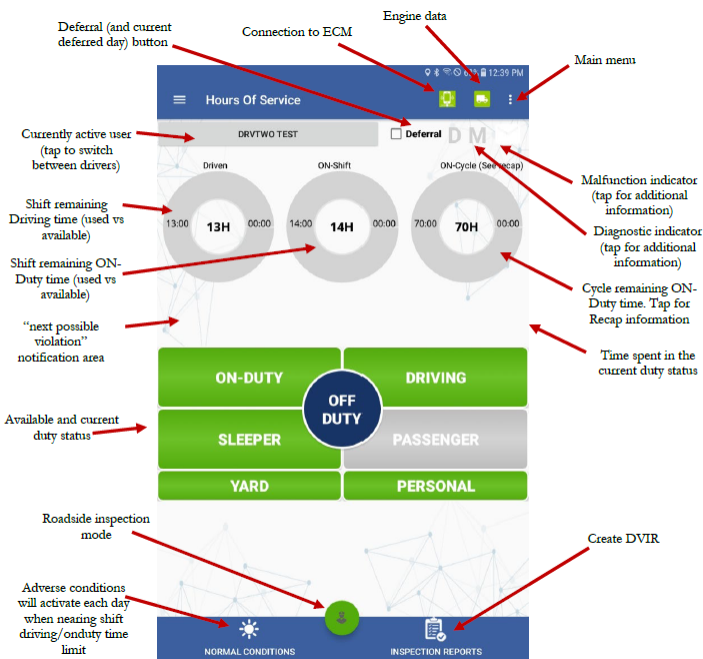


The ELD also allows you to drive the vehicle inside a yard. Please, switch to Yard Move (YM button) before putting the vehicle in motion. If the vehicle's speed exceeds 32 Km/h you will be switched (automatically) to Driving duty status.

Same as Personal Use, if the ELD is restarted, you will be prompted to either remain in the Yard Move status or exit such a status.

## ELD Main Operation Screen

### INTERACTIONS



### CHANGING DUTY STATUS

To change the duty status, tap on the desired duty status button. Changing to (and out of) ON-DUTY, YARD and PERSONAL will prompt you to select a pre-defined remark or enter your own remark.

- When coming out of ON-DUTY status, you can input the number of gallons fueled into the vehicle which are required for proper IFTA reporting.

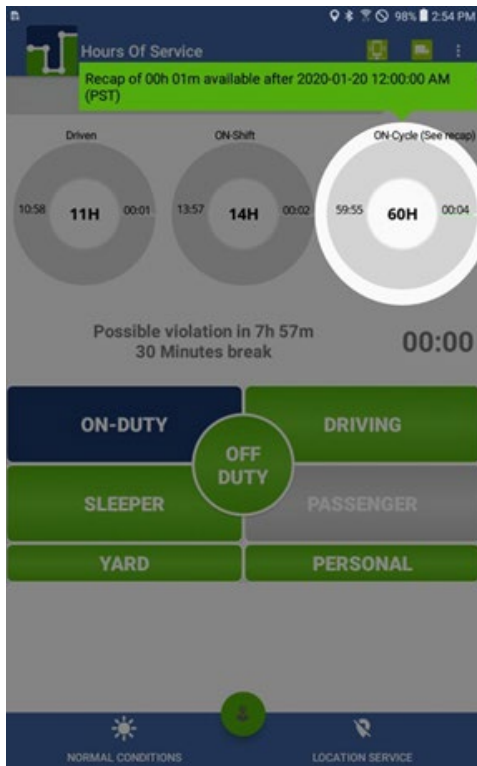
### TIME REMAINING

The three donuts constantly show the actual time spent on each status (driving, ON- Duty and cycle ON-Duty). The corresponding donut will turn yellow or red to indicate proximity to the time limit.



## RECAP

Tap on the “ON-Cycle (see recap)” donut to see how much ON-Duty time will be removed once the 7th or 14th day is reached. The recap summary message also tells you the day and time when the next available recap will take place. This information has great value for the driver, so you can plan your weekly cycle and be aware of how much time you will get back each day, after the 7th or 14th day (according to the currently selected ruleset).



## POSSIBLE VIOLATIONS

This area shows the closest possible violation. It also triggers a notification pop-up one hour before the violation and another one thirty minutes before the next possible violation.

## ANNOTATIONS & REMARKS

When changing to (and out of) ON-DUTY, YARD and PERSONAL duty status, the ELD will show you the pre-defined remarks to simplify the use of the ELD. You can also type your own remark:





## FUEL PURCHASE CAPTURE (IFTA REPORT)

Please, enter the number of gallons put in the vehicle (when refueling) for an accurate IFTA report:






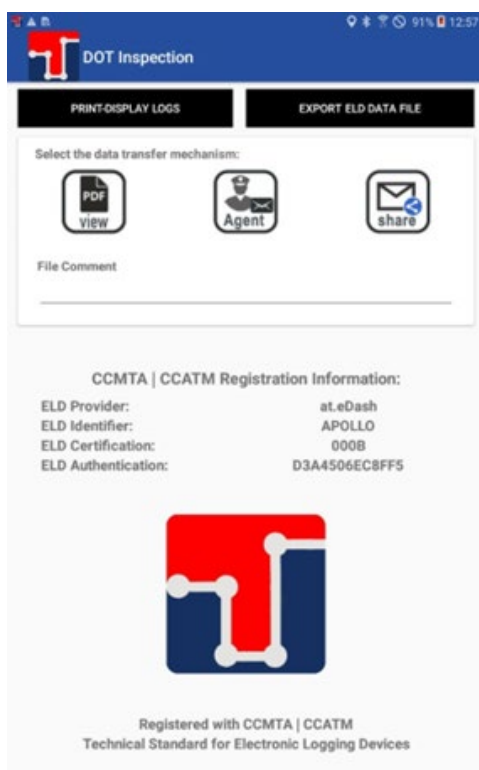
## CO-DRIVER OPERATION (AUTHENTICATION & REMARKS)

A co-driver can authenticate by tapping on the currently active driver button (which brings the login screen) or the co-driver can go to the menu and select the Co-Driver Login option.

## ROADSIDE INSPECTION MODE

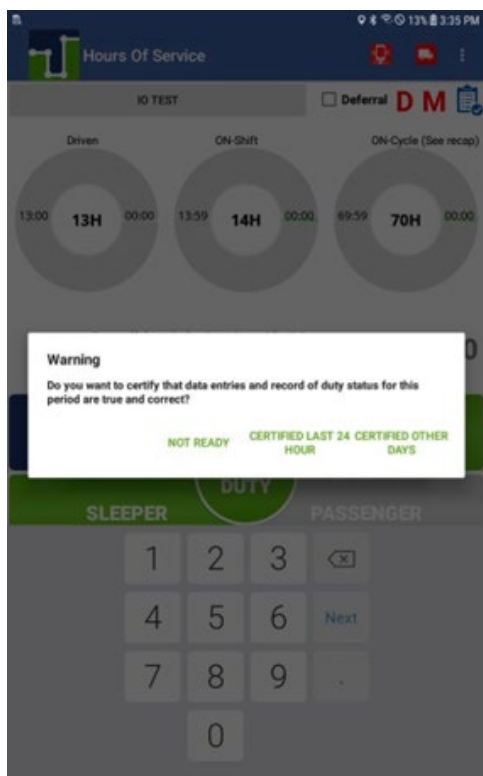
If you are stopped on the road, we recommend that you enter the Roadside Inspection Mode by tapping on  the button.

This mode allows you to export the Printout/Display document as well as exporting the ELD data file:

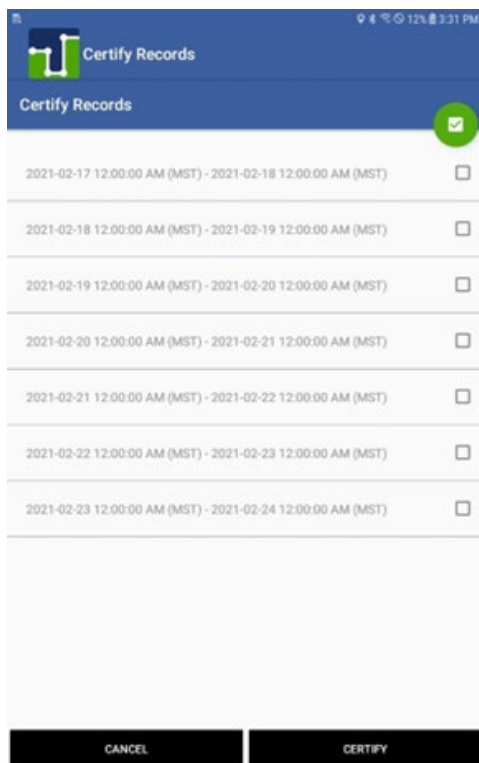


## CERTIFYING YOUR RECORDS AND LOG EDITS

Every duty status change must be certified before exporting the driver's logs. Select the "Certify Logs" option from the menu to list all unverified logs. Select each day and tap on the "Certify" button. At the end of each 24-hour period, the ELD will automatically prompt the driver to certify logs for the last 24 hours period. During the driver login and logout, the driver will be prompted to certify the logs.



You can also certify your logs at any time by going to the main menu and selecting Certify Logs. Select the day or days you would like to certify:



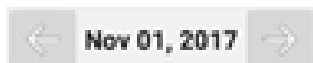


Select the 24-hour period you want to certify then tap on the CERTIFY button. You need to agree to the statement.

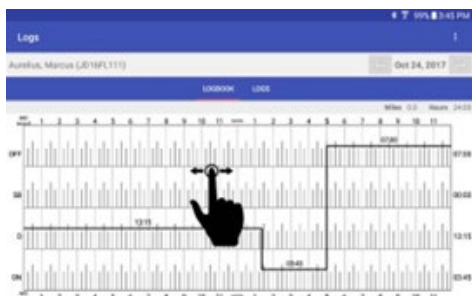
To view your Logbook, edit your logs or export Logs/ELD data file, go to the “Logbook” option in the menu.



You can move to a different day by selecting the left and right arrows:

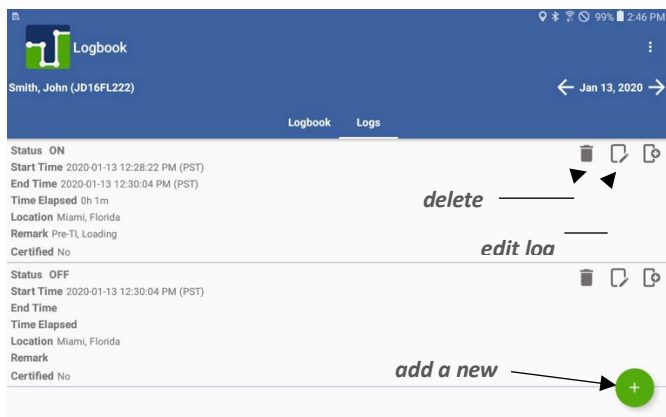


The Logbook tab shows the logbook for the selected day and the Logs tab has a list with all the logs for that day, where you can edit an existing log. You can use the mobile device’s swipe option to move between the Logbook and the Logs tabs:



**Adding, deleting and editing an existing record (log):** On the LOGS tab select the edit icon. Make the necessary changes, input the mandatory remark explaining the reason of the change and then Confirm Changes. Remember, driving time can only be increased, on automatically recorded records; and deleted, reduced or increased on manually recorded records! Your ELD must be synchronized to your tractor’s ECU (via ECM device). Failure to read engine values will make you non-compliant.

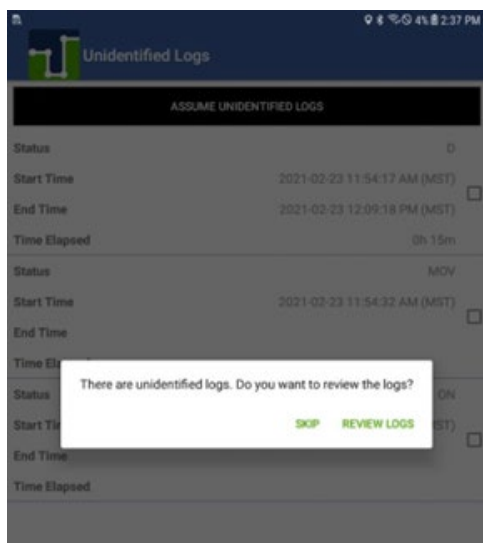
Daily ON-DUTY, cycle ON-DUTY and possible violations will be calculated according to the new record change.



## ASSUMPTION OF UNIDENTIFIED LOGS

During the login process, you will be prompted to review the existing unidentified logs.

If the unidentified logs do not belong to you, just tap on SKIP. If some, or all, unidentified logs belong to you select REVIEW LOGS, select the checkbox associated to the logs that belong to you and assume the logs. The carrier can later revert those logs back to the unidentified if needed for which you will be asked to confirm.



## MOTOR CARRIER SUGGESTIONS

For time to time, the carrier you work with may suggest some changes to your logs. You are responsible for assuming or rejecting those suggestions.

- Carrier-proposed edits will show on your ELD at different times. They will show during login and logout process and they will also be shown as a new ELD message on the main screen:

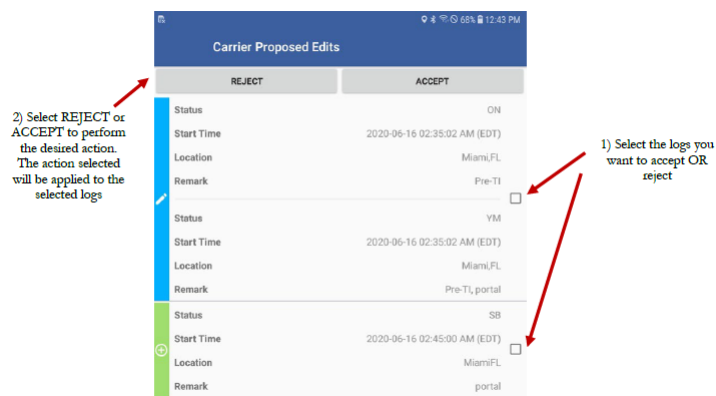


Carrier-proposed log edits are shown during the login, logout and in the message inbox (see image above).

Please make sure:

- You are not driving while attending to carrier-proposed log edits
- You re-certify your ELD records if a carrier-proposed log edit is assumed

Once you tap on the ELD message button a list of carrier-proposed log changes will be shown:





## EXPORTING THE ELD OUTPUT FILE

To submit the Output File to an authorized safety official, the driver selects the “Export ELD Data File” from the Logbook screen. The driver will then select the following method:

**FMCSA web service:** This option securely communicates to FMCSA's end-point and obtains submission ID. NOTE: An email share option is also available for drivers to share Print/Display logs and ELD Data File by sending an email to any destination.

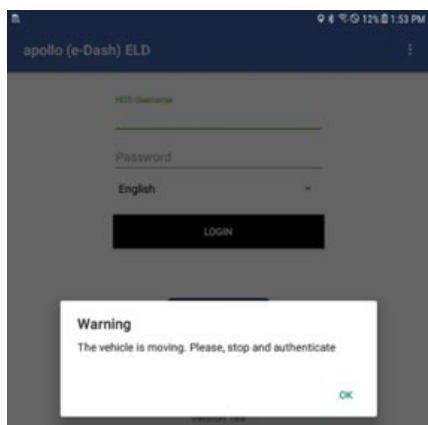
## ELD GENERAL MESSAGES AND NOTIFICATIONS

Some notifications are shown while operating the ELD. Some of them are errors, warnings or just specific information regarding an operational change. These are the most common notifications:

During authentication:

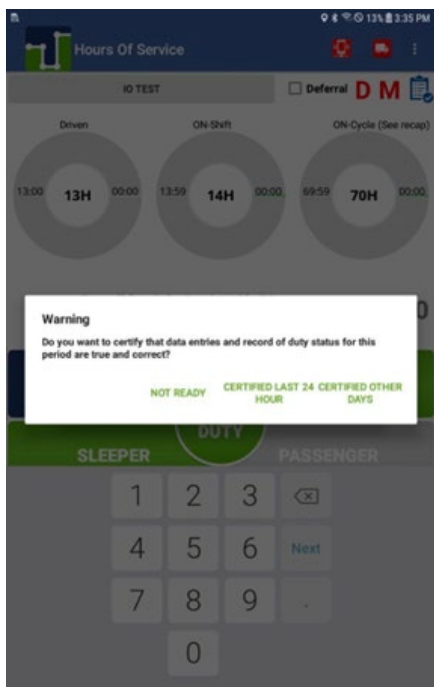
- **You are logged on a different device:** A driver can only use credentials to log in to one ELD. The same driver account cannot be used on multiple ELDs. If you lost your ELD while authenticated, contact your company and ask them to Unlock your account. You will be able to log in after your account is unlocked.
- **Wrong authentication:** Make sure your Username and Password are correct. Also, make sure you have internet access and good upload/download speed.
- **Downloading (e.g. shipments, events, violations, etcetera) error:** Make sure you have internet access and good upload/download speed.

Unidentified Driving: Once the vehicle, to which the ELD is connected to, begins moving a Driving event is created. The ELD will show a visual and audible notification indicating the driver to stop and authenticate on the ELD. The driver could continue to the destination, authenticate later on and review/accept unidentified events.

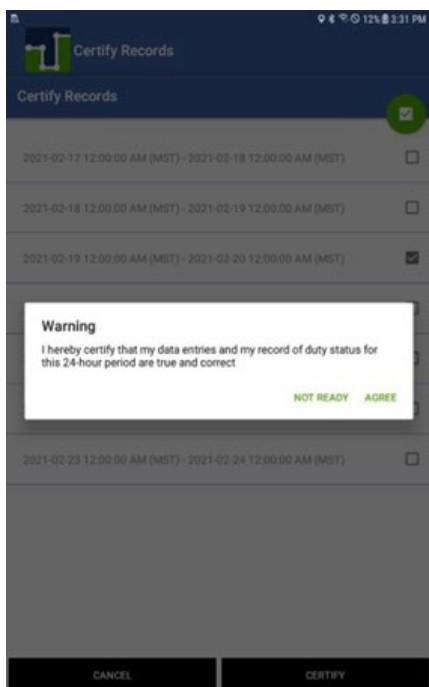




Logs Certification: At the beginning of every 24-hour period, the ELD shows a notification to the driver asking to certify the logs for the previous day or past days. You can select not to certify your logs (yet), certify the previous 24-hour period or all pending logs.



Once you are ready to certify your logs, please agree to the following statement:





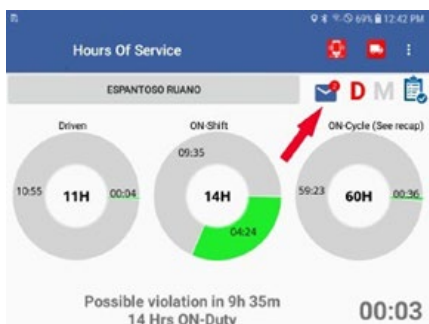


Automatic Driving status with multiple drivers authenticated: If the vehicle moves, there is more than one driver authenticated on the ELD and no driver is on Driving duty status; the ELD shows an audible and visual notification prompting drivers to select the driver currently operating the vehicle.



Carrier-proposed log edits: If the carrier's back-office personnel propose a change to the driver's logs, a notification is shown on the ELD. The driver can assume or reject the carrier-proposed edits during login, logout or by tapping on the new message icon.

Notification of carrier-proposed edits during normal ELD operation:



## ELD Diagnostics and Malfunctions (Resolution)

### DIAGNOSTICS:

1- Power Data/Compliance Diagnostic (ECM parameters must be available within 1 minute of powering the vehicle's engine on)



*Resolution: Make sure you are connected to the ECM device. On the menu, go to Scan Devices and select your ECM device. Make sure all engine parameters pass the diagnostics (all green)*

2 - Engine Synchronization Data Diagnostic (not all ECM parameters are available when the ELD records an event e.g. duty status change)

*Resolution: Make sure you are connected to the ECM device. On the menu, go to Scan Devices and select your ECM device. Make sure the diagnostic passes all engine parameters (all green)*

3 - Missing Required Data Elements Data Diagnostic (other required data e.g. location, coordinates) not available when recording an event)

*Resolution: Make sure the GPS module is enabled on your ELD*

4 - Data Transfer Data Diagnostic (An ELD must verify this functionality at least once every 7 days)

*Resolution: Verify that you have an active cellular or wifi connection all the time. Confirm that your logs are always updated on the ELD portal*

5 - Unidentified Driving Records Data Diagnostic (more than 30 minutes of driving without a driver logged on the ELD)

*Resolution: You are not logged on the ELD and the vehicle moves for an extended period. Please log in and select your Driving time*

6 - Other ELD identified Diagnostic (ELD provider may implement additional, technology-specific malfunction and data diagnostic detection schemes)

## **MALFUNCTIONS:**

*(most malfunctions relate to a Diagnostic, but a malfunction is generated when the same diagnostic occurs for at least 30 minutes in the last 24 hours)*

**P-** Power Compliance (related to diagnostic 1)

**E-** Engine Synchronization Compliance (related to diagnostic 2, for instance multiple periods of no ECM data that, when added together are more than 30 minutes in the last 24 hours)

**T-** Timing Compliance (the time on the ELD, compared to an external time source are different)

*Resolution: Make sure the date and time on your mobile device is properly set. DO NOT (manually) change the date or the time on your ELD*

**L-** Positioning Compliance (no location available, (related to diagnostic 1)



**R-** Data Recording Compliance (monitor storage capability to store records) Resolution: Make sure you have sufficient internal storage on your ELD. Delete files if necessary

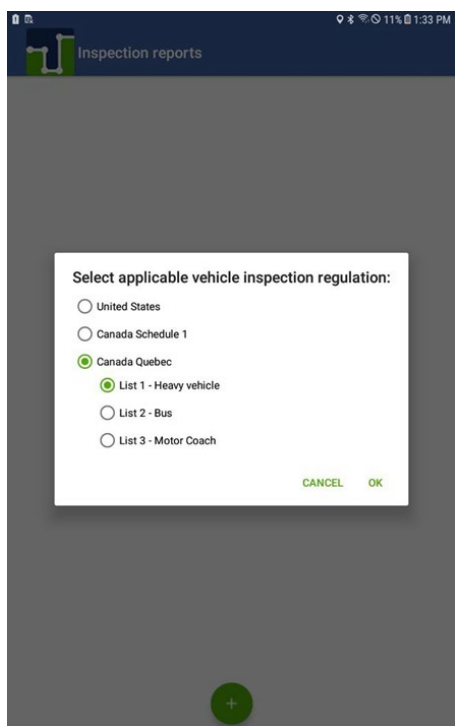
**S-** Data Transfer Compliance (ELD records not able to be uploaded)

*Resolution: You probably don't have internet access. Restart the ELD (if needed) and confirm you reconnect to the network*

## Driver Vehicle Inspection Reports (DVIR)

Select the DVIR button on the main screen. The tap on the + button (bottom of screen) to select the applicable region (USA, Canada Schedule 1 or Canada Quebec). Additional options are available for Quebec compliance: heavy vehicle, bus and motor coach.

A compliant checklist is shown. Select any defect you might have found during your vehicle and trailer inspections. On the last step enter a remark and indicate if the defects were corrected or not.



Select the item with defects and tap on NEXT.



We have separated items under the C-TPAT 17 agreement in order to help you reduce border delays (if applicable) and minimize risks.

Check all. Minor and major, defects accordingly. Take pictures of defects which are uploaded to the ELD portal and could be shared later on.

On the last step, enter the remark and sign the inspection report:

If defects were found and corrected, you can ask the mechanic for a signature. There is a third, optional signature which some carriers require before a vehicle leaves the yard.