



Rollingtrans

Accurate One ELD

User Guide

Copyright

Copyright © RollingTrans 2017

Contents subject to revision without prior notice. The information in this manual is subject to change without notice.

Disclaimer

RollingTrans does not warrant that the hardware will work properly in all environments and applications, and makes no warranty and representation, either implied or expressed, with respect to the quality, performance, merchantability, or fitness for a particular purpose. RollingTrans has made every effort to ensure that this User's Manual is accurate; RollingTrans disclaims liability for any inaccuracies or omissions that may have occurred. Information in this User's Manual is subject to change without notice and does not represent a commitment on the part of RollingTrans. RollingTrans assumes no responsibility for any inaccuracies that may be contained in this User's Manual. RollingTrans makes no commitment to update or keep current the information in this User's Manual and reserves the right to make improvements to this User's Manual and/or to the products described in this User's Manual, at any time without notice. If you find information in this manual that is incorrect, misleading, or incomplete, we would appreciate your comments and suggestions.



Table of contents

Copyright.....	1
Disclaimer.....	1
Table of contents	2
1. Installation	4
1.1 Important Safety and Product Information	4
1.2 System requirement	4
1.2.1 Hardware requirement	4
1.2.2 Android and iOS system setting	4
1.3 ELD interpreter.....	6
1.4 ECM to ELD Interpreter connection.....	6
1.5 Bluetooth Connection.....	7
2 Main Menu.....	7
2.1 Bottom Tabs.....	7
2.2 HOS (Home)	7
2.2.1 HOS main screen.....	7
2.2.2 Bluetooth connection	8
2.3 DVIR.....	9
2.3.1 DVIR Summary	9
2.3.2 DVIR Checklist	10
2.4 ELOGs.....	10
2.4.1 E Logbook Event.....	10
2.5 Menu.....	11
3 Account Setting.....	12
3.1 Driver	12
3.2 ORG OWNER	12
3.3 Account	13
3.4 Modify an Account.....	15
3.5 Add a Vehicle	16
3.6 Modify a Vehicle	17
4 E Logbook.....	18



4.1	DVIR.....	18
4.1.1	DVIR Item Checklist.....	18
4.2	ELogs	20
4.2.1	System Automatic Judgment	20
4.2.2	System Manual Status Change.....	20
4.2.3	Edit a Log.....	21
4.2.4	E Logbook ADD Event or Remark	21
4.2.5	Certify a Log	22
4.2.6	Reactivate a Log	24
4.3	Edit and Modify the Log Record	24
4.3.1	Driver and Carrier’s Authority.....	24
4.3.2	Edit a Log Record.....	24
5	DOT Roadside Inspection Guide	25
5.1	Roadside inspection guide	25
5.1.1	HOS record Inspection options	25
5.1.2	Submit to FMCSA Web Service	26
5.1.3	Mail Option	26
5.1.4	Display HOS Record on device screen.....	27
5.2	Back-up Driver Log Data.....	27
6	Appendix	28
6.1	Contacting Rollingtrans.....	28



1. Installation

1.1 Important Safety and Product Information

WARNING

Failure to heed the followings could result in an accident or collision resulting in death or serious injury.

Distraction Warning

This device and system is intended to enhance the situational awareness when used properly. If used improperly, you could become distracted by the display, which could lead to an accident serious personal injury or death. Only access the information displayed on the device with a glance. Always maintain awareness of your surroundings and do not stare at the display or become distracted by the display. Focusing on the display could cause you to miss obstacles or hazards. You assume sole responsibility and risk for using this system.

Vehicle Installation Warnings

- When installing the device in a vehicle, do not place the device where it obstructs the driver's view of the road or interferes with vehicle operating controls, such as the steering wheel, foot pedals or transmission levers...etc. Do not place unsecured on the vehicle dashboard. Do not place the device in front or above airbag
- If user use windshield mount to mount wireless device please be aware the windshield mount may not stay attached to the windshield in all circumstances. Please check the installation instruction of your windshield mount before installing it into your vehicle. Do not place the mount where it will become a distraction if it should become detached. Keep your windshield clean to help ensure the mount stays on the windshield.

1.2 System requirement

1.2.1 Hardware requirement

The following components are required for FMCSA compliant ELD rule

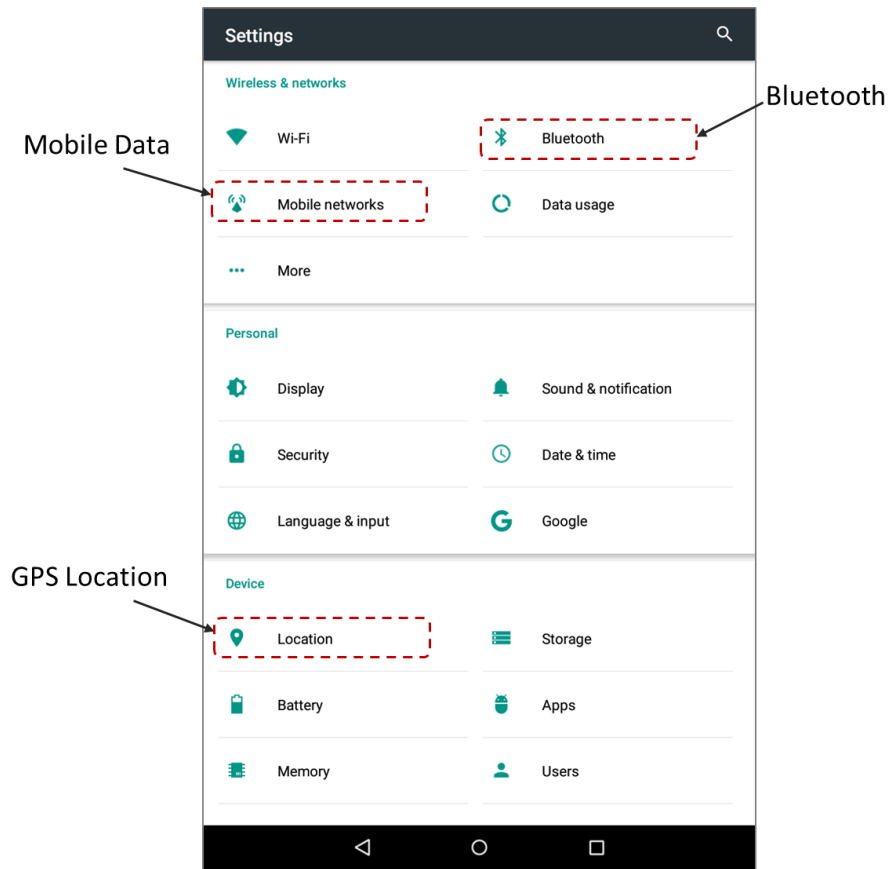
- ACCURATE ONE ELD Interpreter hardware
- Vehicle ECM (Engine Control Module) using SAE J1939, J1708 Protocol
- Connection Cable of 1939 9Pin, 1708 6Pin, and Custom OBD-II Cable for Volvo and Mack 2013+ model
- Android 5.0+ or iOS 9.0+ Smartphone or Tablet with 2G/3G/4G GSM data, Bluetooth, and GPS function
- Access to Rollingtrans ELD APP from Android Play Store[®] or iOS App Store[®]
- An activate Rollingtrans user account

1.2.2 Android and iOS system setting

For Android or iOS phone and Tablet, please always turn on following wireless function

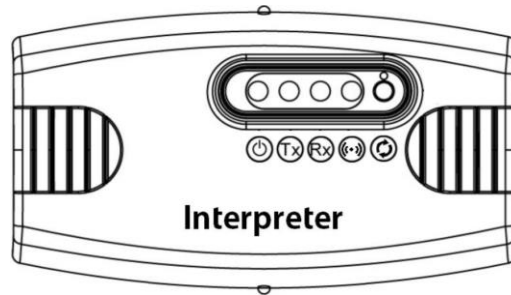


1. Mobile Data
2. Bluetooth
3. GPS Location



1.3 ELD interpreter

ELD interpreter is the ELD hardware device connect to your commercial vehicle’s ECM. The interpreter captures your ECM J1939 or J1708 protocol and transfer ECM information to Wireless device on board. The functionality of each indicator LED as following.

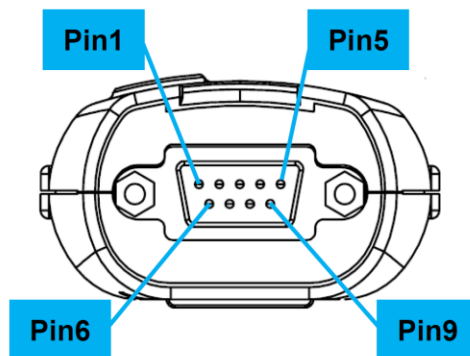


LED Indication and Status			
Icon	Function	Behaviors	
	Power	Solid on	
	Tx (Scan Protocol)	Blink	
	Rx (Can Bus connection)	Blink	
	RS232 Command	Blink	
	Reset Button		

1.4 ECM to ELD Interpreter connection

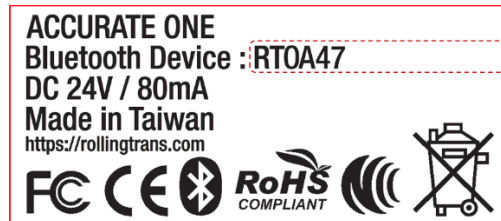
The ELD Hardware interpreter use RS232 DB9 connector. User needs to use SAE J1939 9 pin, SAE J1708 6 Pin, and our customized OBD-II cable to connect to your vehicle’s ECM.

ELD interpreter RS232 DB9 connector



1.5 Bluetooth Connection

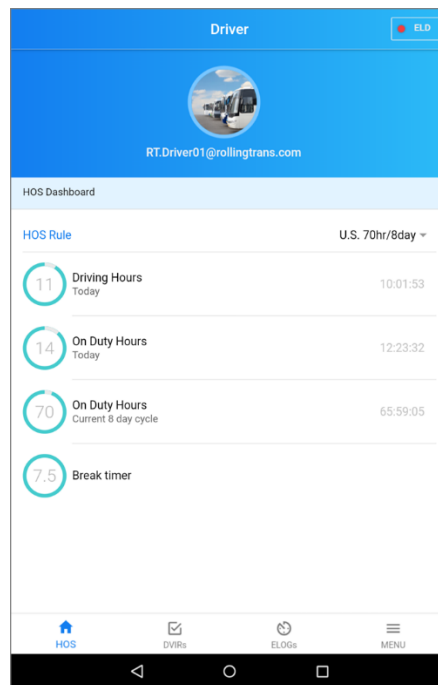
The ELD Hardware interpreter use Bluetooth wireless connection to your Smartphone or Tablet. From your Smartphone or Tablet go to **Bluetooth** and **choose the correct ELD**. Make sure you pair with correct ELD interpreter. You can find Bluetooth Device Serial Number on device label.



2 Main Menu

2.1 Bottom Tabs

In the Home Screen, there are four different main bottom tabs for HOS, DVIRs, eLogs, and Menu four main functions.

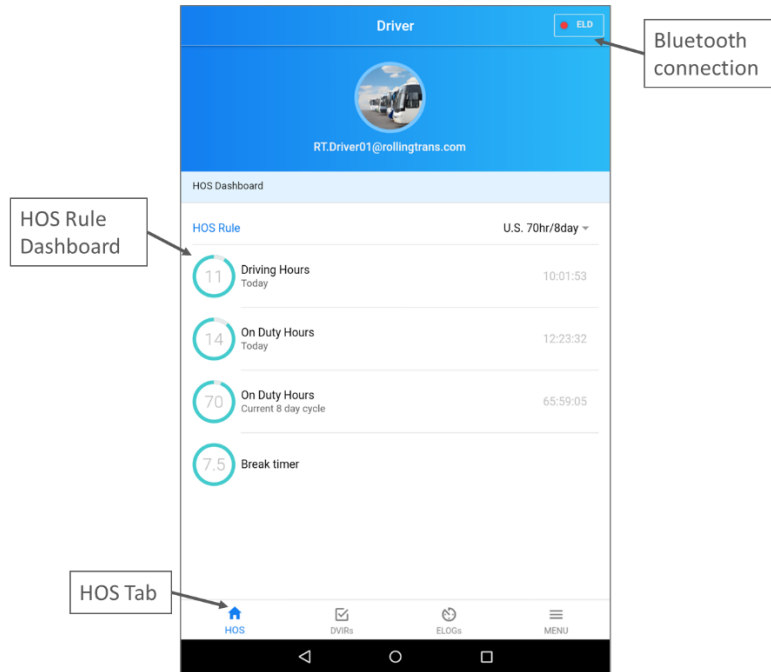


2.2 HOS (Home)

2.2.1 HOS main screen

HOS Dashboard shows you current driver ID, HOS rule, and your current Driving Hours, On Duty Hours, and current HOS Cycle remaining hours.

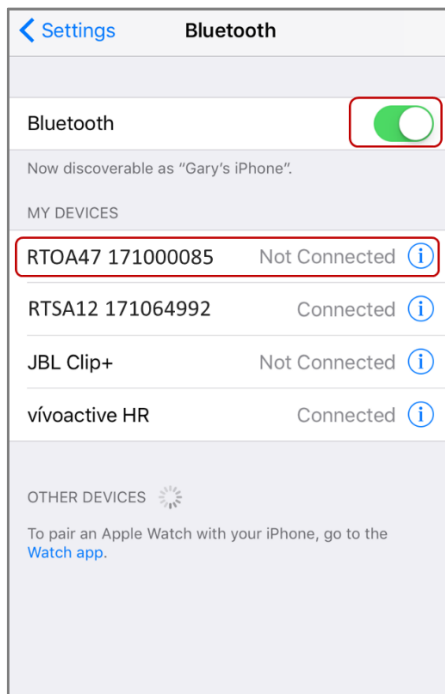




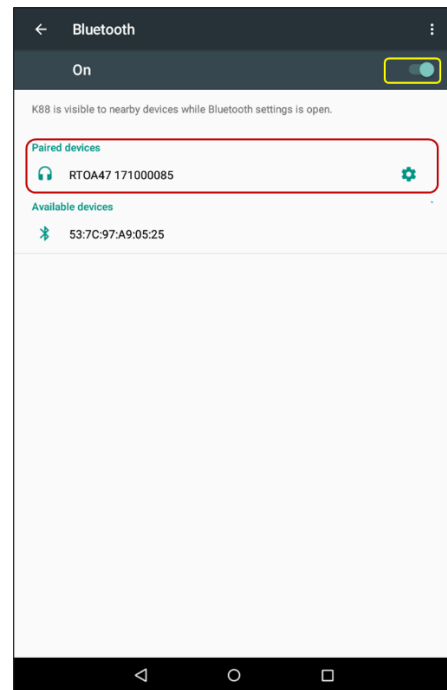
2.2.2 Bluetooth connection

1. To pair ELD interpreter to your Phone or Tablet, please go to your iOS or Android **SETTING** → **Bluetooth** → **Pair with your ACCURATE ONE ELD device**.

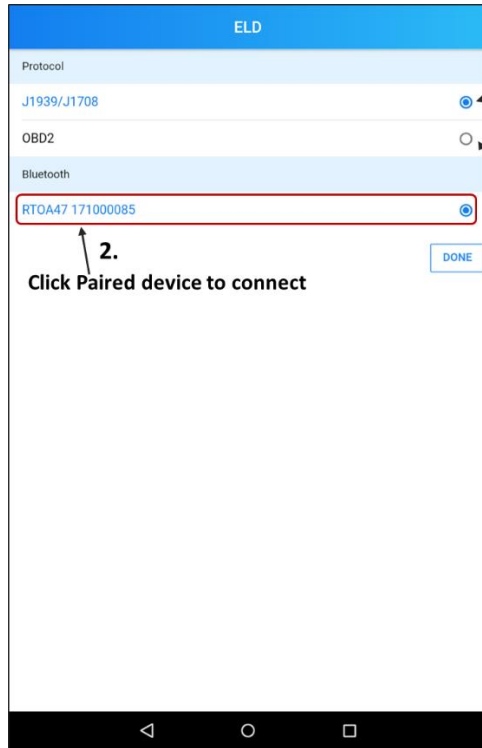
Apple iOS Bluetooth Pair



Android Bluetooth Pair



- After pair ELD interpreter with your Phone or Tablet please go to Rollingtrans ELD App. Then click top right corner Bluetooth connection button to connect ELD Bluetooth device



For Truck/Bus use ACCURATE One interpreter
Select J1939/1708 Protocol



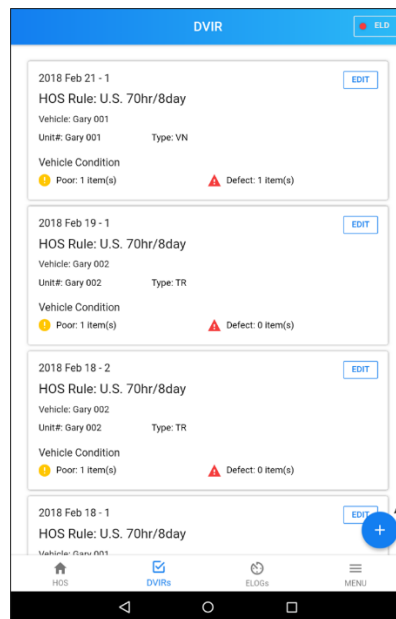
For Pick up/Van use ACCURATE SE interpreter
Select OBD2 Protocol



2.3 DVIR

2.3.1 DVIR Summary

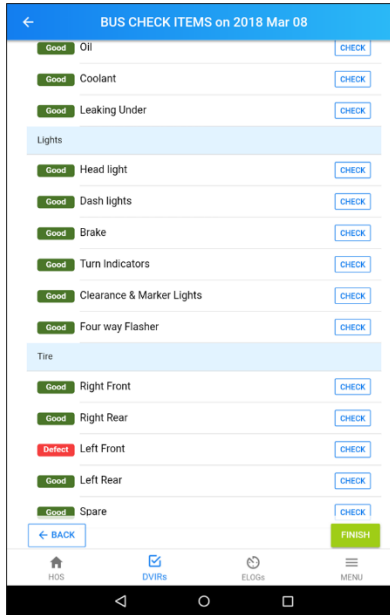
DVIR summary list can shows you daily vehicle condition and notify you poor condition and defect items.



Create New DVIR and
Driver Log

2.3.2 DVIR Checklist

Check all your vehicle items and change the condition according to driver's daily vehicle inspection. Press **Finish** to finish then your inspection report and inspection result will automatically upload to cloud database.



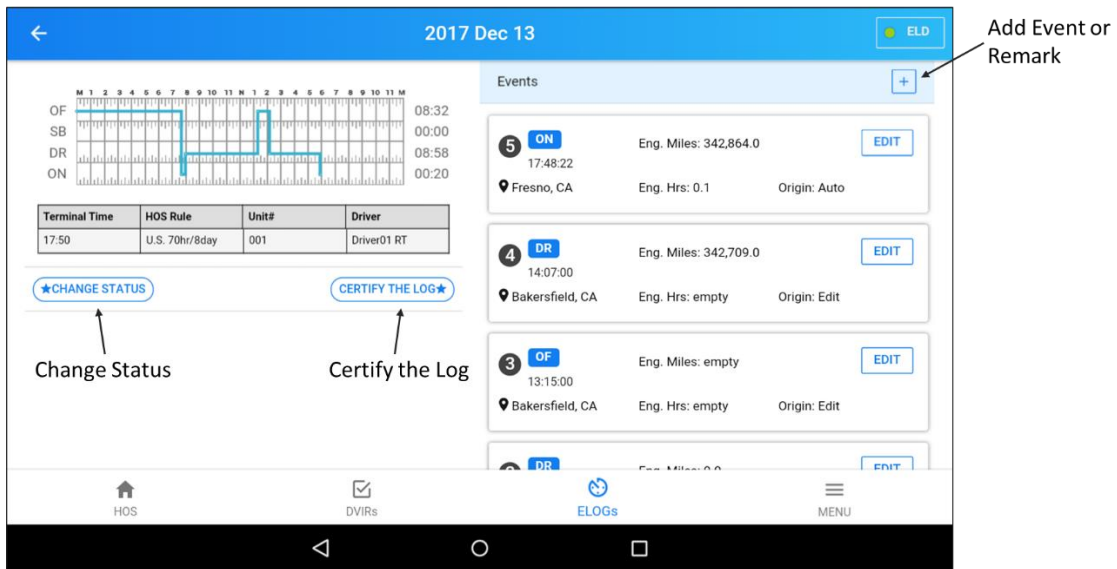
2.4 ELOGs

2.4.1 E Logbook Event

To Create a new log please start from DVIRs and create a new DVIR. Your new log for today will automatically create after you finish your DVIR.

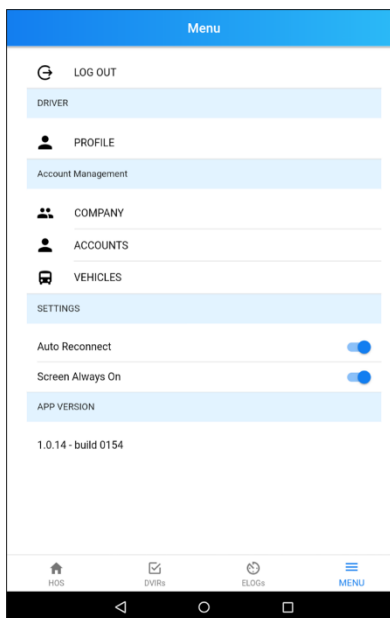
To Operate your driver log just go to ELOGs Tab and select today's log

- **Change Status:** Click "CHANGE STATUS" and select your current status
- **Add Remark:** Click "+" button and Click "Remark"
- **Add Event:** Click "+" button and Click "EVENT"
- **EDIT Event:** Click "EDIT" and modify event contents.
- **Certify the Log:** At the end of the day, please don't forget to certify this log and verify your daily driving information.



2.5 Menu

In Menu Tab you can Add/Edit your account information. If you are owner you can modify Company, Driver, and Vehicle account. If you are using driver account, you can only View/Edit your own driver account information.

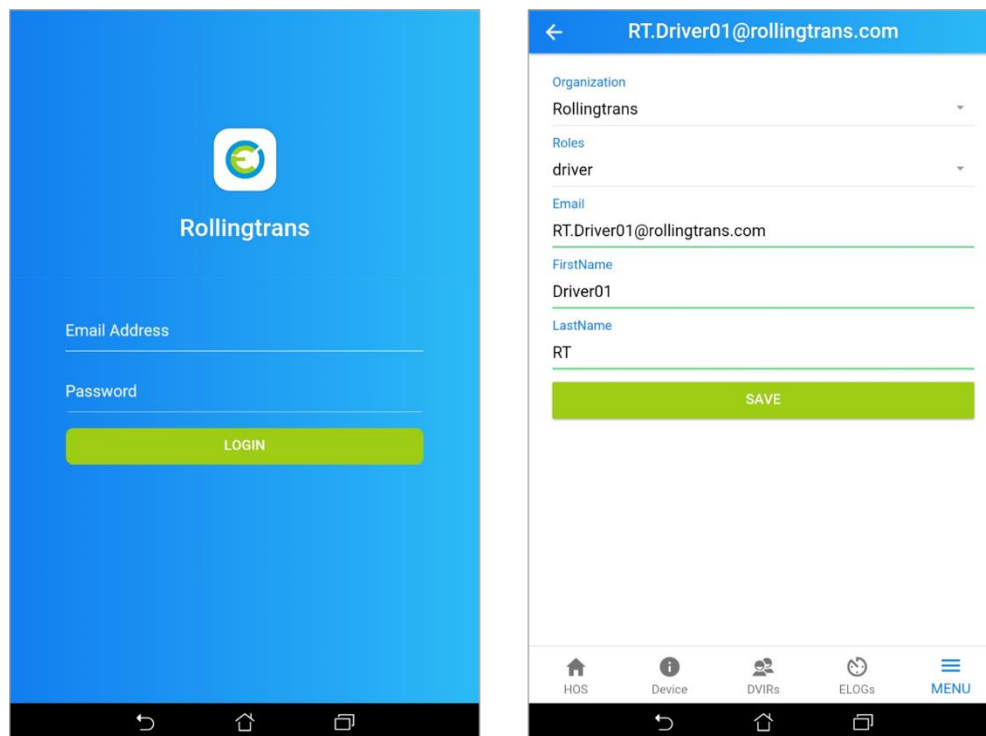


3 Account Setting

3.1 Driver

Driver must acquire the username and password from the fleet manager. Each driver will have unique username and password.

1. Enter your user id
2. Enter the password. The entered password will not be displayed
3. Click on Login button to login into RollingTrans app.
4. If the ELD app does not connect automatically, go to Home Screen, and check the Bluetooth icon if it is connected to appropriate ELD. Select the right ELD.
5. After your log in the App, please go to **Menu → DRIVER → Profile** to view driver's profile



3.2 ORG OWNER

1. Click **MENU → ORG OWNER**
2. Enter the following information
 - Company Name
 - DOT Number
 - Company Address
3. After entering the information, click **SAVE**



Rollingtrans

Name
Rollingtrans

DOT Number
123456789

Address
Test

City State
Pasadena CA

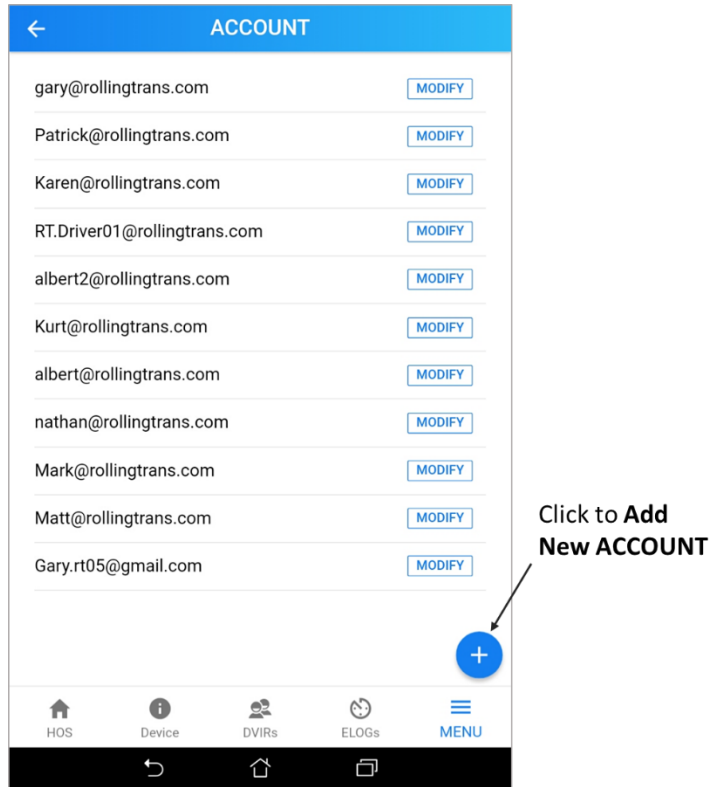
ZIP Code Country
91101 USA

SAVE

HOS Device DVIRs ELOGs MENU

3.3 Account

1. Click **MENU**→ **ORG ORGANIZATION**→ **ACCOUNT**
2. Click “+” to add a new driver

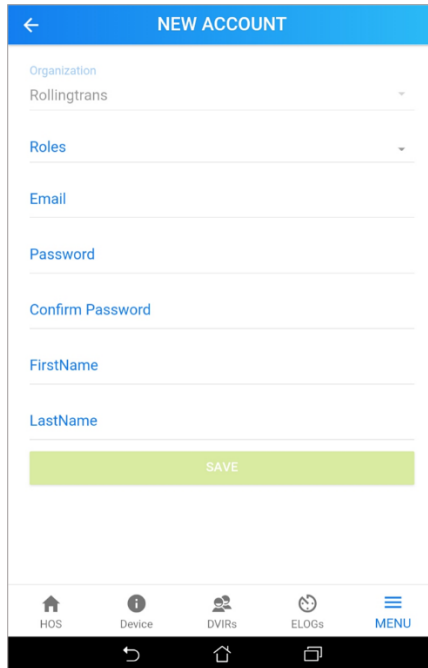


3. Enter the following information

- Organization (Default)
- Roles (driver or orgOwner)
- Email
- Password
- Confirm Password
- FirstName
- LastName

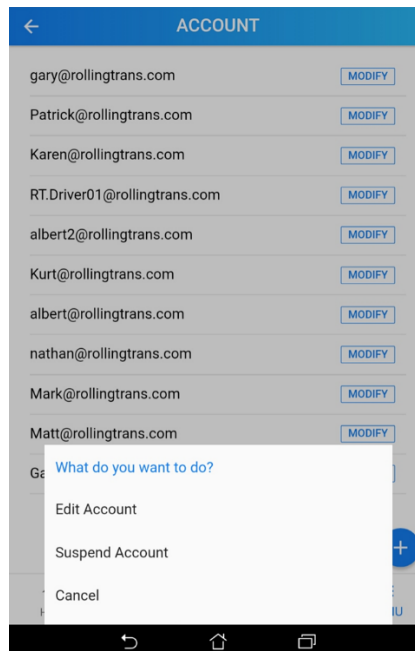
4. After entering information, click **SAVE**





3.4 Modify an Account

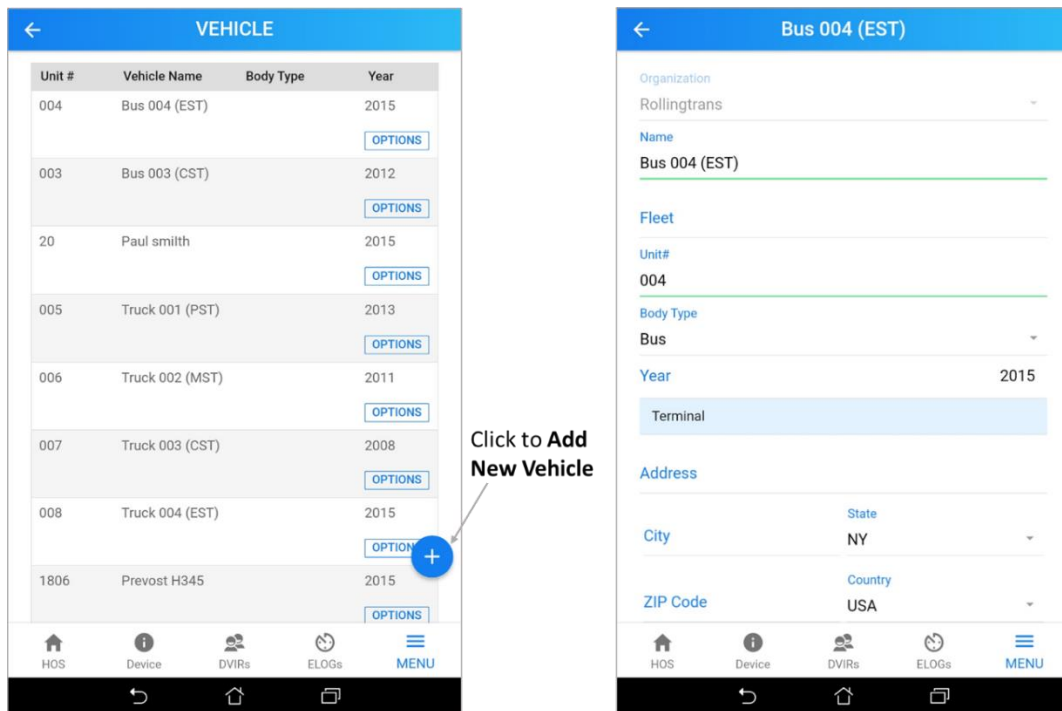
1. Next to the Driver's email, Click **OPTIONS**
2. Under Option: What do you want to do?
3. You can choose "Delete Account", "Update Account", or "Cancel"



3.5 Add a Vehicle

Click “+” to add a vehicle

- Enter the following information
- Organization (Default)
- Title
- Odometer
- Unit #
- Body Type
- Year
- Address
- Timezone



Here below is iOS and Android City time zone reference chart for you to choose your terminal timezone.

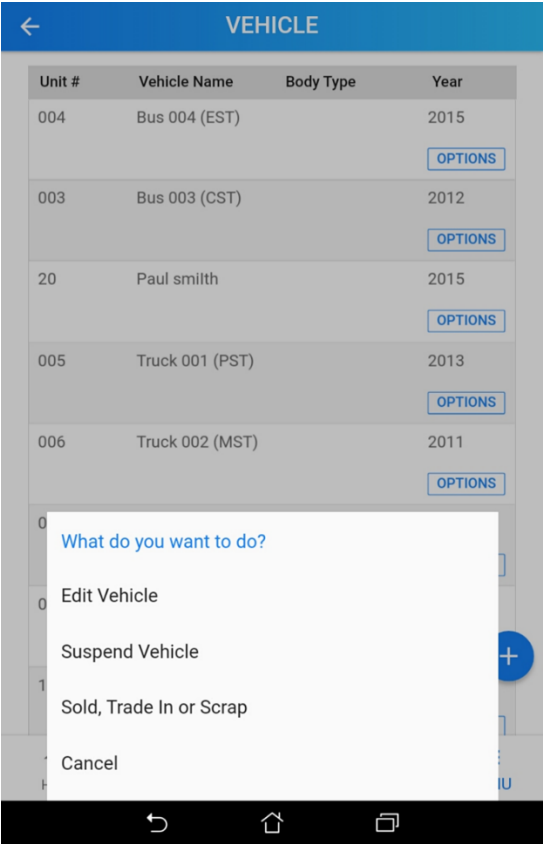
City Time zone	Time Zone
America/ Halifax	Atlantic Time
America/ New_York	Eastern Time
America/ Chicago	Central Time
America/ Denver	Mountain Time
America/ Phoenix	Mountain Time (No daylight saving)
America/ Los_Angeles	Pacific Time
America/ Anchorage	Alaska Time



3.6 Modify a Vehicle

Choose your vehicle and click OPTIONS

Under What do you want to do? You can click “Delete vehicle”, “Update vehicle”, or “cancel”.



4 E Logbook

4.1 DVIR

4.1.1 DVIR Item Checklist

The driver can View, Edit, or Delete, the signed DVIR

1. Click **DVIR Tab** → “+”
2. Check and choose the appropriate action
 - Company
 - Driver
 - Co-Driver (if required)
 - HOS Rule
3. Click **Next**

← DVIR CHECK ITEMS

Company
Rollingtrans/123456789

Driver
Driver01 RT

Co-Driver

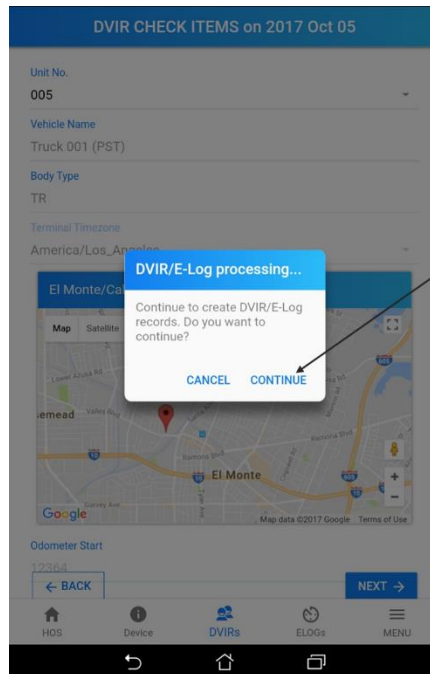
HOS
U.S. 70hr/8day

NEXT →

HOS Device DVIRs ELOGs MENU

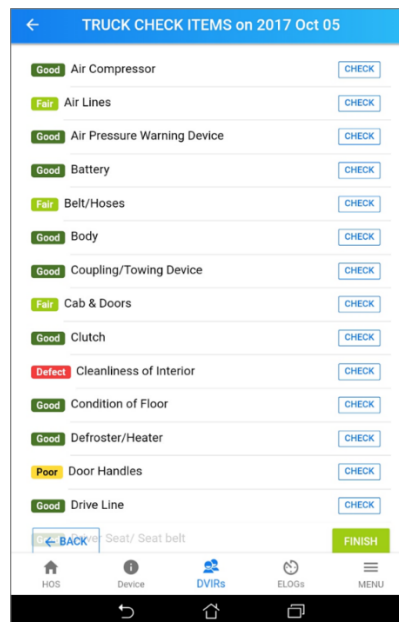
4. Choose your Unit #, body type and vehicle name. Then, verify the Timezone
5. Scroll the bar to the right next to Trailer. Select your trailer type and enter unit #
6. Verify the current position. Click **Next**
7. Screen will shows Continue to create DVIR/E-log records. Do you want to continue?
Click Continue. By click continue, the system will generate today’s log and automatically create a **On Duty** event at this time





Click **CONTINUE** to create today's Logbook and start On Duty

8. At the BUS Check items, system will identify the condition of previous selection on the item. Define the rating → Click **Confirm*** If there is an issue on the item, enter the notes at Notes section
 - Good
 - Fair
 - Poor
 - Defect



9. After checking all items, click **FINISH**
10. Options: **Save DVIR** to Finish today's DVIR and the inspection result will upload to cloud database. If not, Click **Cancel**



4.2 ELogs

4.2.1 System Automatic Judgment

According to FMCSA ELD final rule, when ELD connect to the system, there will be four different status.

On Duty

- When engine is on, the status will be changed to **ON** or **ON Duty**

Driving

- When the driving speed is over 5 mph at least 30 seconds, the status will be changed to **DR** or **Driving**
- When the driving speed is below 5mph at least 5 minutes, system will show a reminder” Are you still driving?” You can press the Yes bottom to keep the status or press No or ignore for 1 minute to change the status to **On** or **On Duty**.

Off Duty

- When you are in the driving or on duty status and turn off the engine, the status will be changed to **Off** or **Off Duty**.

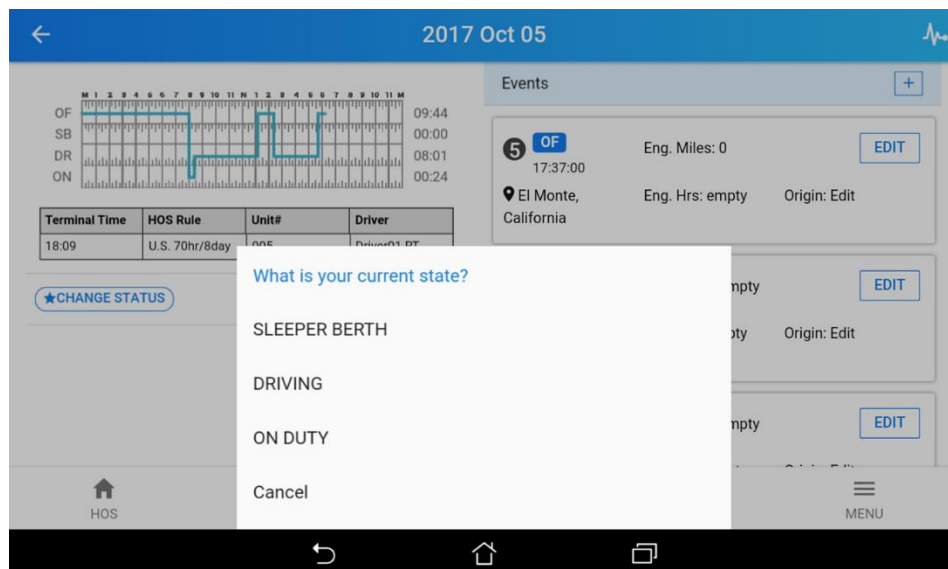
4.2.2 System Manual Status Change

If drivers need to manually change the status, Click **Change Status**

You can select the status on your own

- Off Duty
- Sleeper Berth
- Driving
- On Duty

Or Cancel



4.2.3 Edit a Log

Drivers can edit the event by click the log that they want to edit

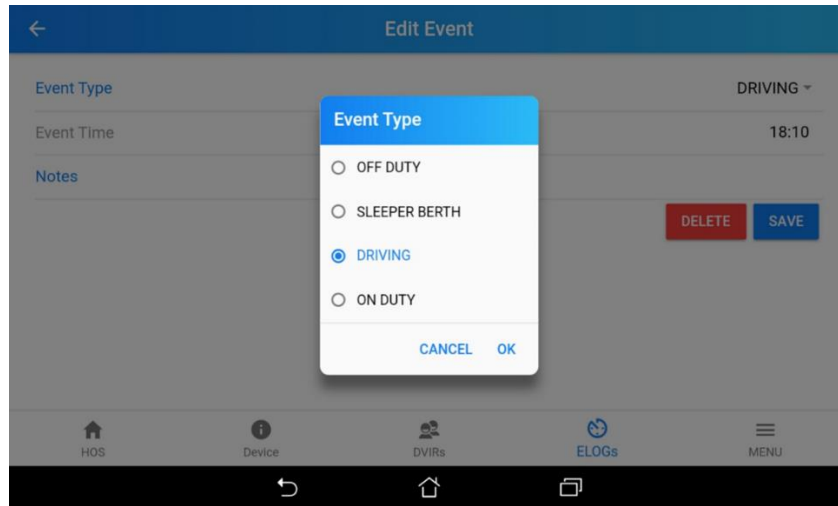
1. On the Event Type, you can select

- **OFF DUTY**
- **SLEEPER BERTH**
- **DRIVING**
- **ON DUTY**

2. After you select, click **OK** to save or **Cancel** to Return.

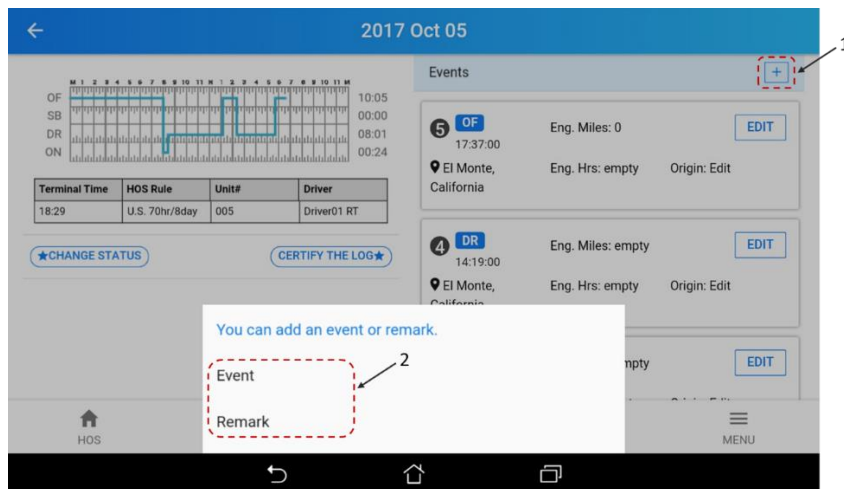
3. In the Notes Section, you can enter the information during the event.

4. Click **Save**



4.2.4 E Logbook ADD Event or Remark

Click “+” to add an **Event** or **Remark**



1. Add Event

Select and input following information to add event.

- **Event Type**
- **Event Time**
- Click **SAVE** to finish

2. Add Remark

To record your fuel fill-up for IFTA report, please click “+” → **Remark** and then input following information

- **Time:** Input remark time
- Slide **Fuel fill-ups** toggle switch
- **State:** Your current State will be captured by GPS Location
- **Fuel Type:** Select your fuel type
- **Unit Price \$/Gal**
- **Gallons**
- **Total**
- Click **SAVE** to finish

The screenshot shows the 'Add Remark' screen in a mobile application. The top bar is blue with a back arrow and the title 'Add Remark'. Below the title, the 'Time' field is set to '14:13'. Under the 'Notes' section, there is a toggle switch for 'Fuel fill-ups' which is currently turned on. Below this, the 'Location' is 'California', 'Fuel Type' is 'Diesel', 'Unit Price \$/Gal' is '3.399', 'Gallon' is '250', and 'Total' is '849.75'. At the bottom right, there are two buttons: 'DELETE' (red) and 'SAVE' (blue). The bottom navigation bar shows icons for 'HOS', 'Device', 'DVIRs', 'ELOGs', and 'MENU'.

Switch to enable key in Fuel fill-up information

4.2.5 Certify a Log

After you finish the day, you can click **CERTIFY THE LOG**.

1. First, you need to verify your driving log today. View/Edit to correct your log today and click **“VERIFY”**

2017 Oct 05-1

08:01

On Duty Time

00:24

HOS Rule

U.S. 70hr/8day

Driver Name

Driver01 RT

Co-Driver Name

N.A

Unit#

005

Starting Mileage

256984

Ending Mileage

257641

Total Mileage

657

Starting Eng Hours

3647

Ending Eng Hours

3655

CANCEL VERIFY

- Then, System will need you confirm, “ I hereby certify that my data entries and my record of duty status for this 24-hour period are true and correct”. Click **Agree** to certify or **Cancel** to return.

2017 Oct 05

Events

5 OF 17:37:00 Eng. Miles: 0 Eng. Hrs: empty Origin: Edit EDIT

3 OF 13:07:00 Eng. Miles: empty Eng. Hrs: empty Origin: Edit EDIT

I hereby certify that my data entries and my record of duty status for this 24-hour period are true and correct.

CANCEL AGREE

Terminal Time	HOS Rule	Unit#
18:15	U.S. 70hr/8day	005

★CHANGE STATUS

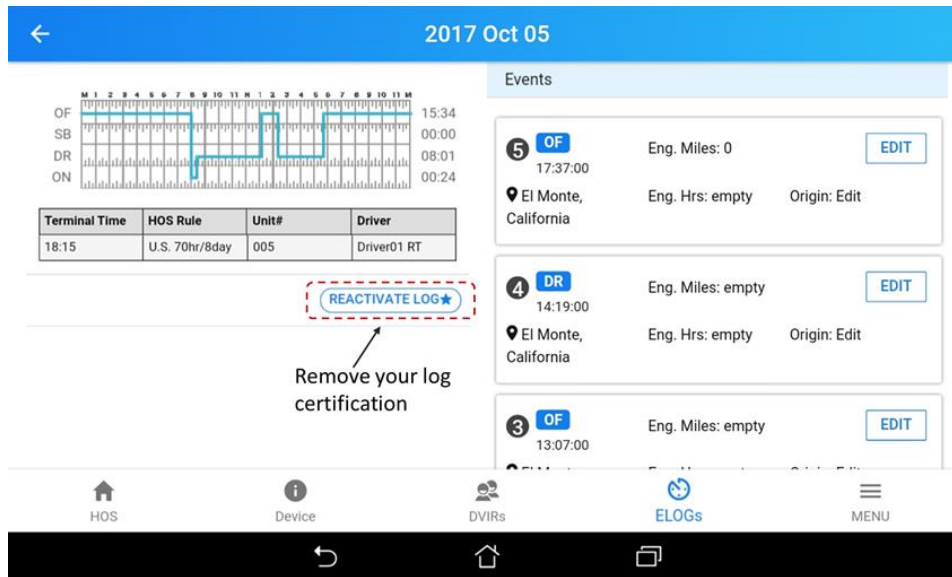
HOS Device DVIRs ELOGs MENU

- After you certify the log, if you want to edit your driver log again, please click “REACTIVATE LOG” to remove certification and edit your log.

4.2.6 Reactivate a Log

Click **REACTIVATE LOG** if

- You want to continue to record your driving log today.
- You want to edit the log



4.3 Edit and Modify the Log Record

Only assigned driver can edit the log and certify the log. Once you edited or modified the log, it will show the original log and modify version.

4.3.1 Driver and Carrier's Authority

Drivers have authorities to modify their own log during the current trip. Carrier also can modify the log after receiving permission from the driver. It will show the original and modified version for both drivers and carriers.

4.3.2 Edit a Log Record

Go to the log record need to modify, click edit to edit existing log and click add to add an log record in driver's log.

Please note, driver and owner have different authority to modify log record. The default setting, driver can only modify current day's log record.

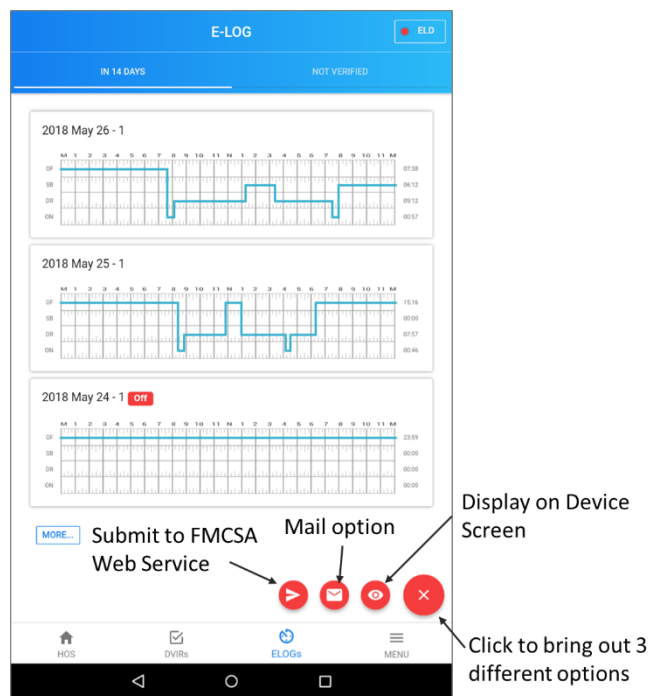
5 DOT Roadside Inspection Guide

5.1 Roadside inspection guide

When in contact with safety authorized officers or any other DOT roadside inspection, please follow the following procedures to provide your HOS record to safety authorized officer. There are three different option to provide your driver log record for inspection.

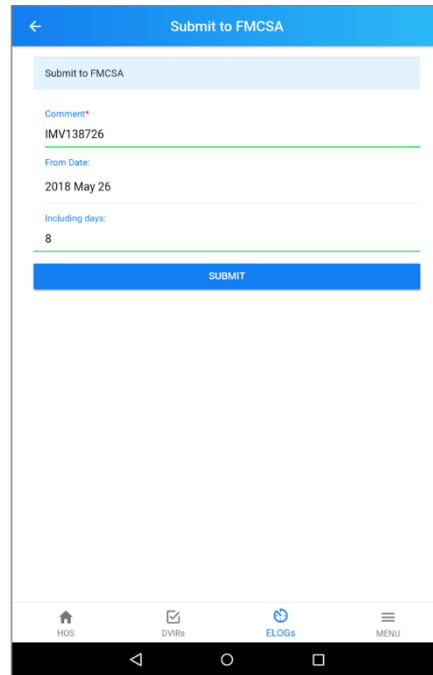
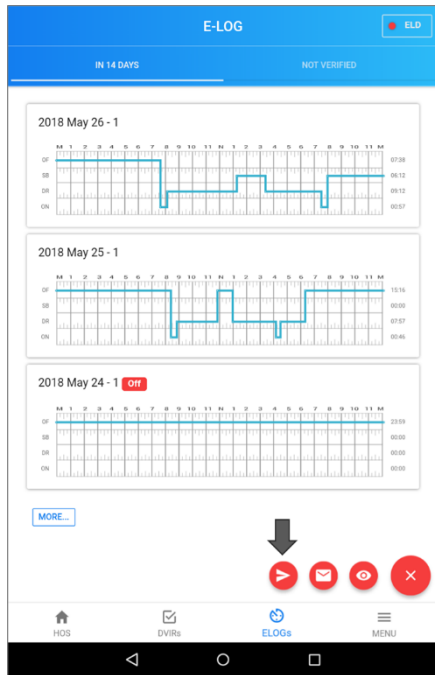
5.1.1 HOS record Inspection options

1. Submit to FMCSA Web Service
2. Mail HOS records to safety authorized officer's email
3. Display on the device



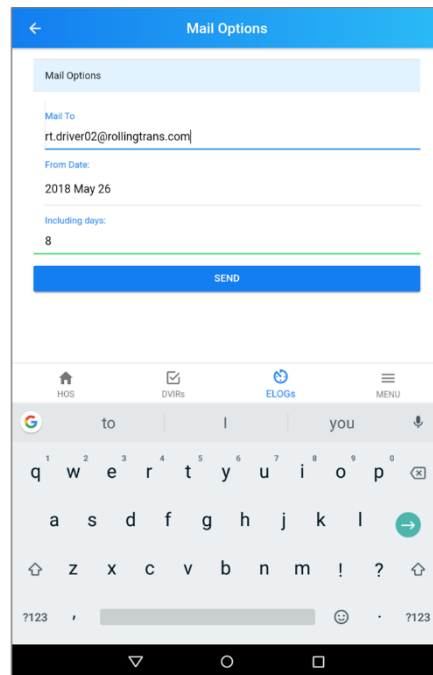
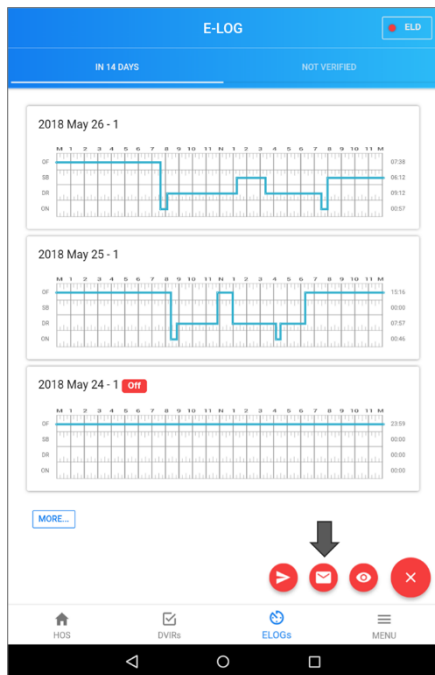
5.1.2 Submit to FMCSA Web Service

Click Submit to FMCSA Web Service button to submit your HOS record to FMCSA Web Service. Your Safety authorized officer might ask you to key in his/her inspection code in submit comments.



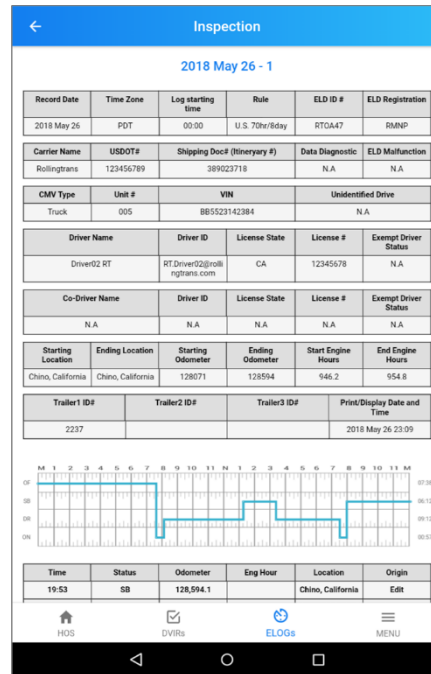
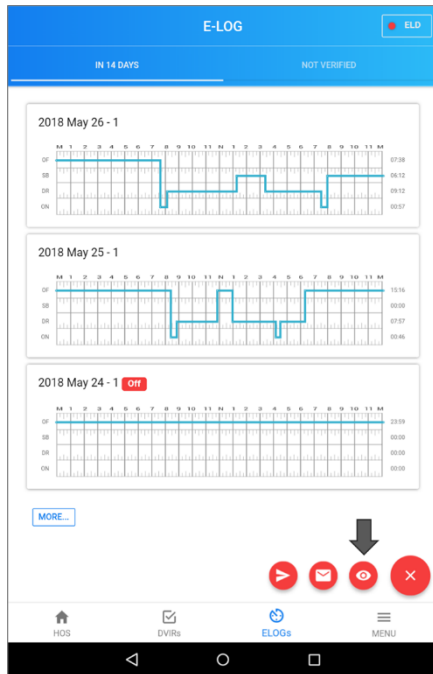
5.1.3 Mail Option

Click Mail option button and select date and including days to send your HOS record to Safety authorized officer's designated email address.



5.1.4 Display HOS Record on device screen

Click Display HOS record button, then you can display your past 8 days HOS record on your device screen for Safety authorized officer's inspection



5.2 Back-up Driver Log Data

Owner account of motor carrier has responsibility to export each driver's log record and store in your local storage location or any other place to back-up your drivers date. According to FMCSA ELD final rule ELD system provider will only back-up your driver's HOS Record for 6 months.



6 Appendix

6.1 Contacting Rollingtrans

Drivers should first contact their fleet manager in their motor carrier who owns ELD System App Owner account with any questions. Fleet manager may contact their Rollingtrans representative, when needed.



Rollingtrans

Add: 155 N Lake Ave
Pasadena, CA 91101

Tel: 626-993-6655

Email: Service@rollingtrans.com

[Https://Rollingtrans.com](https://Rollingtrans.com)

