



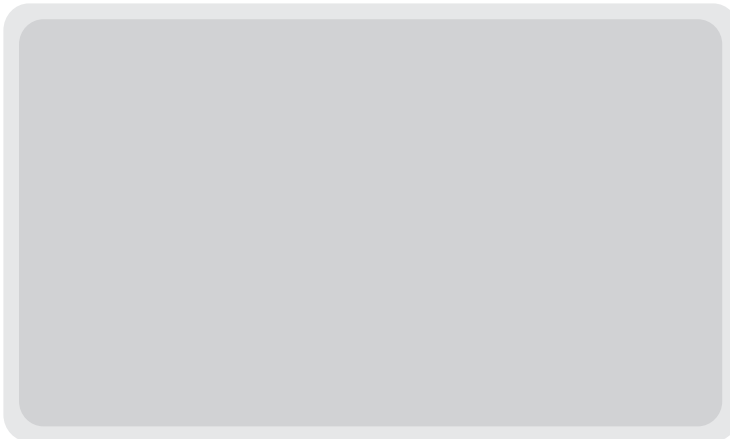
# GUARDIAN ELOG

POWERED BY  **DTI**  
DIESEL TECH INDUSTRIES



*Driving Innovative Technology*

## Home Page Introduction



This is your Home Page. Users can use NFC card as a quick login through the Account application.

## The Account Activity



## Home Page



First page contains six activities that are frequently used by drivers.

## Content of Home Page



### Log Button



Log Book contains the driver's log record for the past seven days up to the current date.

### Vehicle



Vehicle and Inspection Page contains session information of vehicles, trailers, shipping documents and driver's pre/post trip inspections.

### Duty Status



Navigate to the Change Duty Page which allows the user to switch their working status. There are 6 options for the user to choose from



### Timer | HoS



Timer | HoS Button contains countdown timers for driving time, shift time, cycle time.

### Warning



This contains a list of warning alerts, malfunctions, and unassigned time. This also acts as an alert indicator for drivers. If red light is flashing, it requires immediate attention.

### Account



Account button is used to log in and log out of the user's account. The ELD allows log in of multiple drivers.

# 1

## Log Book Introduction



### Incident Report



Vehicle Incident reporting form.

### DOT Inspection



Contains documents for roadside inspections.

### Data Transfer

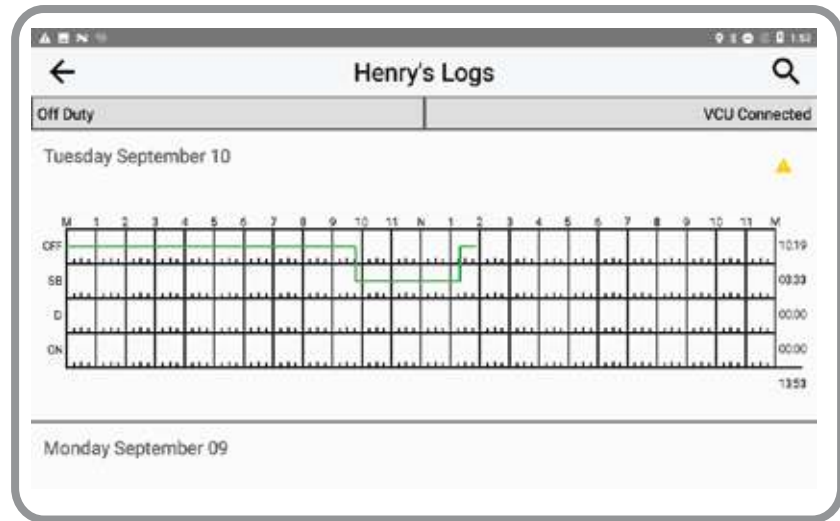


Used during roadside inspection.

### Setting



Navigates to Settings page. More features can be added.



## HoS Grids | Hours of Service

The hours of service grid of the current date is displayed. Scrolling further down the page, the HoS for the previous 7 days is displayed.

## Warning

Notifies the driver when they are missing data or certification.

## Current Duty Status Bar

Off Duty

Displays the duty status of the current driver.

## Search

Search

Searches previous records.

## ECM Connection Bar

ECM Disconnected

Displays the status of the ECM connection

## Back

Navigates back to the Home Page

## Length of the grid

The HoS grid presents 24 hours of activity trend from 00:00 to 23:59.

## YM | Yard Move

Under On-Duty-Not Driving category. It will be shown in the same row as On-Duty-Not-Driving in the color blue.

## OFF | Off Duty Status

The time at the end of the row represents the total time spent in the Off Duty Status

## ON | On Duty Not Driving

The time and end of the row represents the total time spent in the On Duty Status

## PC | Personal use of CMW

Under Off-Duty Category, it will be shown in the same row as Off Duty but with an orange color.

## D | Driving Status

The time and end of the row represents the total time spent in the Driving Status.

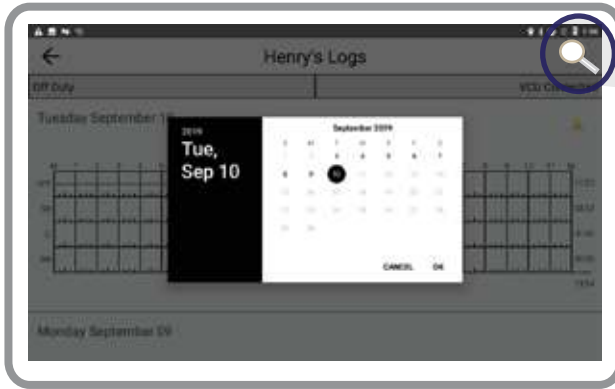
PC

## SB | Sleeper Berth Status

Time time on the end of the row represents the total time spent in the Sleeper and Berth status



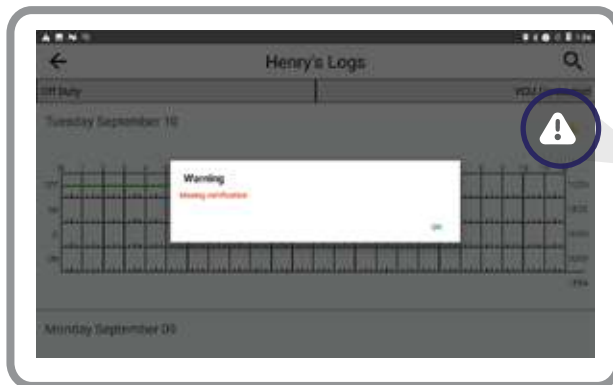
## Usage of Search Icon



Click the magnifier sign on the top of the right of the Log Activity. The date selection calendar will prompt as the image shown.

Select the date that needs to be reviewed and click **OK**. It will navigate to the Log Details of the selected date as shown in section 3.1 of this ELD User Guide.

## Usage of Warning Icon



When the warning icon appears on an HoS grid for a specific date, it indicates that there is some missing data. Data and certification of records is required for that date.

To fix, click on the warning icon. The ELD will prompt a list of missing data types. The driver is required to add the missing data.

## Log detail Introduction

### Log Detail Page

VIN	1GCEK19TX4E301998	Power Unit #	ELD-TEST
Trailers Unit #	PUN-001		
Document ID	Missing Shipping Documents		
Time	Duty Status	Location	Comment
09:47 AM	Sleeper Berth	4 mi WNW Edmonton AB	eeeeee
01:21 PM	Off Duty	4 mi WNW Edmonton AB	

HoS Grid as described in section 2.2 of this ELD

**Trip Information** | Displays the daily trip information of the truck, trailers and shipping documents.

**List of Duty Status Change** | All duty status change records of the day.

**Certify Button** | To certify the driver's records at the end of a 24-hour period.

**Log Edit Button** | Make changes within the selected date as described in section 4.

**Back Button**

### 3.2 Trip Information

VIN	1GCEK19TX4E301998	Power Unit #	ELD-TEST
Trailers Unit #	PUN-001		
Document ID	Missing Shipping Documents		

The trip information chart summarizes the information of the truck, the trailers that were operated and documents that is on board.

#### Displays

VIN number and Power Unit number  
Trailer Unit numbers  
Document IDs for shipping documents

### 3.3 List of Duty Status Change

Time	Duty Status	Location	Comment
09:47 AM	Sleeper Berth	4 mi WNW Edmonton AB	eeeeee
01:21 PM	Off Duty	4 mi WNW Edmonton AB	

All duty status change records of the day will be shown. They are sorted ascendingly.

Time | Duty Status | Location | Comment will be displayed on the list.

**Changing Comment**  
You are editing the comment of the record on 01:21 PM

Enter annotation

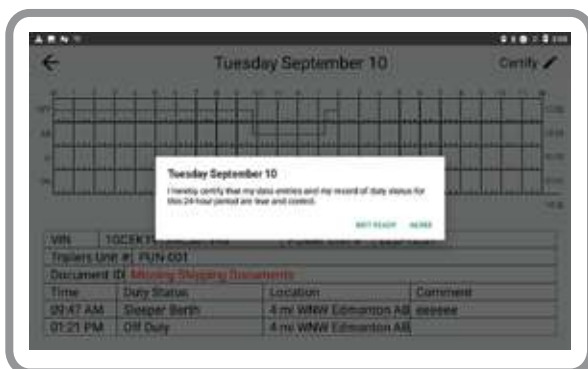
CANCEL OK

To add a comment for a specific record, click comment area of the record. A prompt will pop up to enter comments.



# 3

## Usage of Certify Button



Certify button is used to certify ownership of hours. To certify the records of a 24-hour period, click on the **CERTIFY** button. It will prompt a certification window as the image shown below for the driver to **AGREE** or **NOT READY** the term.

Clicking the certify button will prompt a popup window. You are required to follow 4.3.2.3 (a)(2), Functional Specifications for All ELDs.

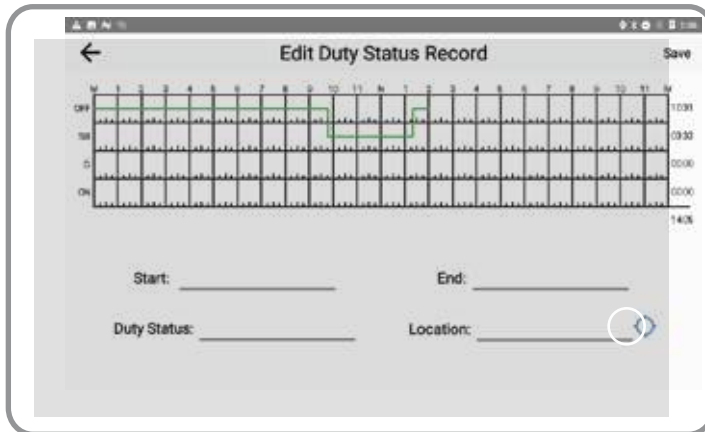
If any edits are made after the driver certifies the records for a selected 24-hour period, the ELD will notify the driver to re-certify the updated records according to 4.3.2.3 (c), Functional Specifications for All ELDs.

Multiple certifying action will be recorded as from "First Certification" to "Ninth Certification". Any certification after ninth certification will be recorded as "Ninth Certification" according to Table 6, 7.20 in Functional Specifications for all ELDs.



# 2

## Log Detail Introduction Content of Log Detail Page



HoS Grid as described in section 2.2 of this ELD User Guide

Start Time Picker

End Time Picker

Duty Status Picker

Location Input

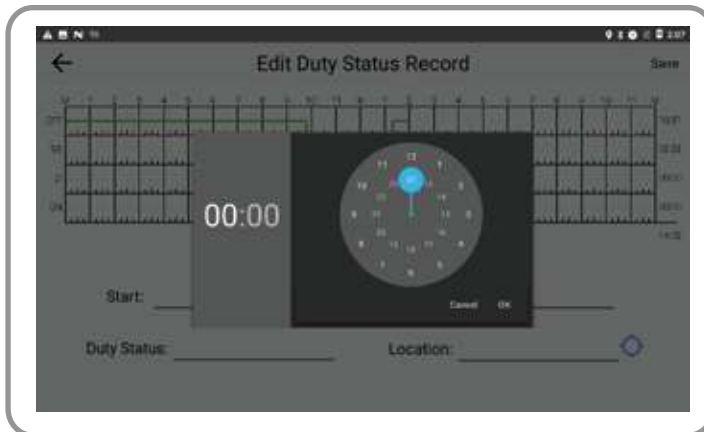
Locating Button

Save Button

To edit daily records, click the Log Edit button described in section 3.1 to navigate to the Record Edit Activity.

### How to edit record

Start: \_\_\_\_\_ End: \_\_\_\_\_



#### Step 1

Enter Start and End period of time you want to edit.

Click the Start and End Button to prompt a time selector diagram. Select the exact time.



#### Step 2

Once the time period is selected, click **DUTY STATUS**. A window will prompt the driver with 4 Duty Status and 2 driving options.

The driver can select any Duty Status to set the selected time period to be.

PC (Personal Use of CMV) option is under **OFF DUTY** category and **YM (Yard Move)** option is under **ON DUTY** category.

**Edit Duty Status Record** Save

Start: 03:30 End: 06:30

Duty Status: On Duty Location: 4 mi WNW Edmonton AB

### Step 3

The location can be entered manually to describe where the driver was at that point.

The driver can also press the location icon to obtain current location.

**Edit Duty Status Record** Save

Comment: You are about to insert 2 new record(s). Please enter at least 5 characters comment to continue saving.

Start: 03:30 End: 06:30

Duty Status: On Duty Location: 4 mi WNW Edmonton AB

### Step 4

Click **SAVE** and the comment request will pop up.

*Note: The driver is required to input at least 5 characters comment for attempting records every time.*

**Tuesday September 10** Certify

VIN	1GCEK19TX4E301998		Power Unit #	ELD-TEST
Trailers Unit #	PUN-001			
Document ID	Missing Shipping Documents			
Time	Duty Status	Location	Comment	
03:30 AM	On Duty - Not Driving	4 mi WNW Edmonton AB	this is demo	
06:30 AM	Off Duty			
09:47 AM	Sleeper Berth	4 mi WNW Edmonton AB	eeeeee	

The record you edited will be shown in the Log Detail Activity with the comment that was added to the records editing action.

## Duty Status Change Introduction

### Contents of Duty Status Change



#### Off Duty



Personal Use of CMV is under Off Duty category. This is only available if the motor carrier is authorized to the driver. Once the driver claim the Personal use of CMV, the recorded driving time will not be recorded for DOT Inspection.

#### Sleeper



Sleeper and Berth duty status.

#### On Duty



Click on the button once to expand Specific Status under On-Duty-Not-Driving.

#### Yard Move



Yard Move Driving condition under On-Duty status. This is only available if the motor carrier is authorized to the driver. Once the driver claim the Yard Move, the information that was automatically recorded will not be recorded for DOT Inspection.

#### Load



Load button is to change the duty status with the comment "Load".

#### Unload



Unload button is to change the duty status with the comment "Unload".

Note: Comment required for duty status changing

#### Location Description Input

Location description is captured by GPS and translated to Geo-Location automatically. In case of failure of capturing from GPS, the driver must input a description of the current location manually.

#### Comment Input

Enter text in the comment area. Any comments for attempting change duty status. Comment Input is a requirement for changing to Personal Use of CMV or Yard Move. It is optional for any other duty status change.

#### Back Button

Top left of screen.  
Navigate back to the Home Page

#### Hide Button

Hide text areas and show all duty status button options.

#### Save Button

Save the selected duty status to be current status.

*Note: There is no DRIVING button for drivers to switch their current duty status to DRIVING manually. The driver will be switched to the DRIVING status automatically when the vehicle starts moving. The speed must exceed 5mph or 8km/hr. For declaring a time period to be DRIVING, please refer to section 4.2 How to edit record.*

## How to change the current duty status

- Step 1:** Select any duty status order other than the current duty status.  
Click ON DUTY to expand for more buttons such as **YARD MOVE, LOAD, UNLOAD**.
- If driver wants to change to Personal Use of CMV status, click on **OFF DUTY** button first. Next, check the checkbox displayed on the bottom left. Yard move and personal use requires authorization.
- Step 2:** Location is auto captured. In case the device cannot obtain the location when there is no signal, the driver must enter the description of the location. The description must be more than 5 letters.
- Step 3:** Comments are can be left blank since it is only required when the driver is attempting to use the vehicle for personal use or yard move. Personal use of CMV and Yard Move is only available for the driver if the driver is authorized by the motor carrier.
- Step 4:** Click **SAVE** Button

## Vehicle and Inspection Introduction

### Vehicle Information

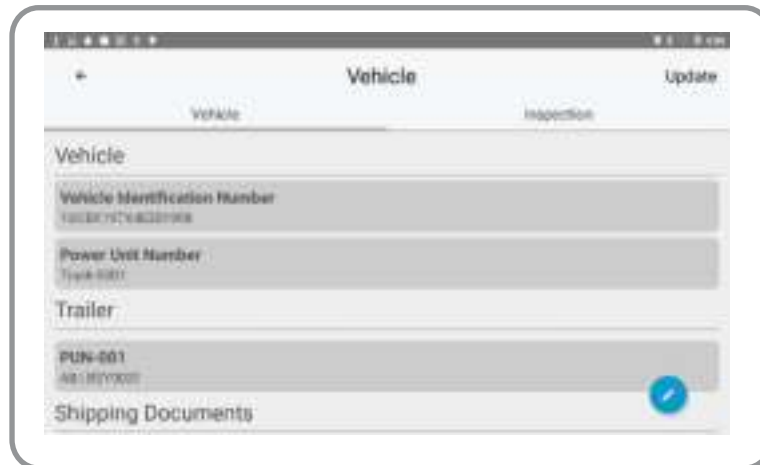
Display VIN and Power Unit Number for the operating vehicle  
VIN will be able to receive automatically with connection to ECM that's in progress.

### Trailers Information

Trailer details if required.

## Vehicle and Inspection Introduction

### Contents of Trip Information about vehicle



#### Expanding Button

The button is used to expand more button options



#### Trailer Button

Trailers List  
The driver has an option to add or delete trailers in the list.



#### Document Button

Shipping Document List. The driver has an option to add or delete shipping document on the list.

#### Back Button

Back to Home Page.



#### Update Button

Disabled. For debugging purpose only.



#### Vehicle Information

Display VIN and Power Unit Number for the operating vehicle  
VIN will be able to receive automatically with connection to VCU that's in progress.

#### Trailers Information

Displays Power Unit Number, Registered Province, Plate Number of trailers for the current trip. This information needs to be filled in manually

#### Shipping Documents Information

Displays Document IDs for the current trip. This information needs to be filled in manually. Driver can declare the document as **START** and **DELIVERED** in the next version of ELD.

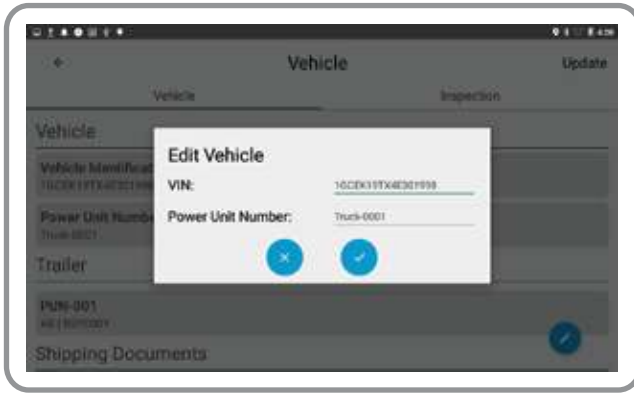
#### Tab



The Tab contains two sections. One section is the current section Trip information. The second section is for Inspection. Tap the INSPECTION or slide left on the screen to navigate to the Inspection section. The Inspection section will be described in section 6.5 of this ELD User Guide.

#### Truck Button

To view Truck information editing window.

**Step 1:**

To edit vehicle information manually, Click on the button

**Step 2:**

Click on the vehicle button . The truck information edit window will pop up.

**Step 3:**

Enter VIN and Power Unit Number. changes.

Save changes

Cancel editing

*Note: The vehicle that is added for the current trip must be registered on DTIs ELD online database for records storage purposes.*

### How to add or delete trailers

**Step 1:**

To add or edit trailers information manually, click on the button.

**Step 2:**

The button will expand.

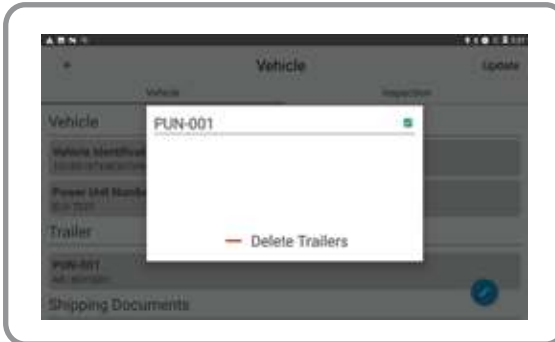
Click on the Trailer button . A window will popup with a list that contains all trailers that the driver has registered in the ELD system for the current trip.

**Step 3:**

To delete the trailer, check the checkbox of the trailer that the drivers wants to delete. Next, **ADD TRAILER** button will transform to **DELETE TRAILER**.

**Step 4:**

Click Delete Trailers to delete the selected trailers.

**Step 5:**

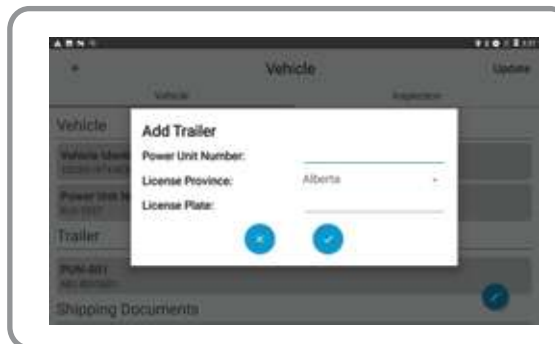
To add a trailer, click Add Trailer button. A window will popup which will allow you to enter the trailer information.

**Step 6:**

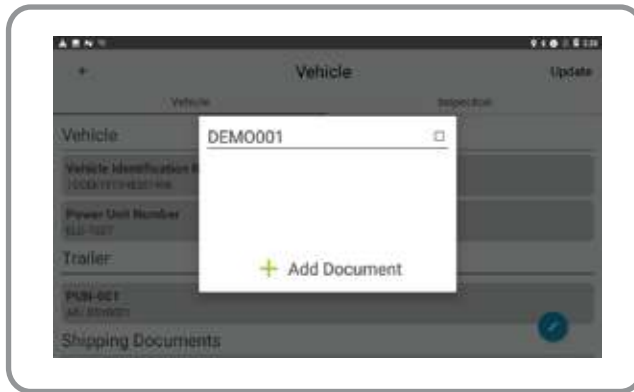
Enter Power Unit Number and other information.

Save changes

Cancel editing




*Note: The trailers that the driver wants to add for the current trip must be registered on DTIs ELD online database for records storage purpose.*

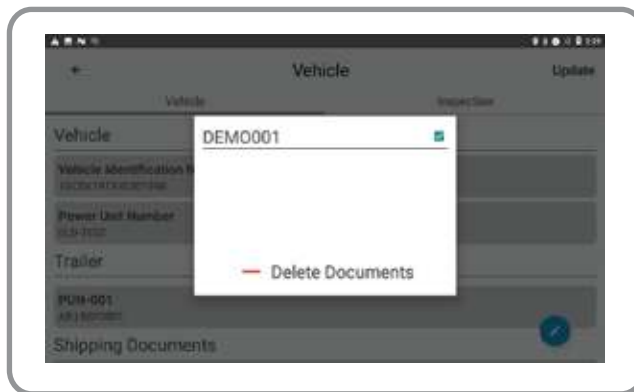


### Step 1:

To add or edit trailers information manually, click on the  button.

### Step 2:

The button will expand out. Click on the document button . A popup window will appear with a list containing all shipping documents that the driver has registered in the ELD system for the current trip.




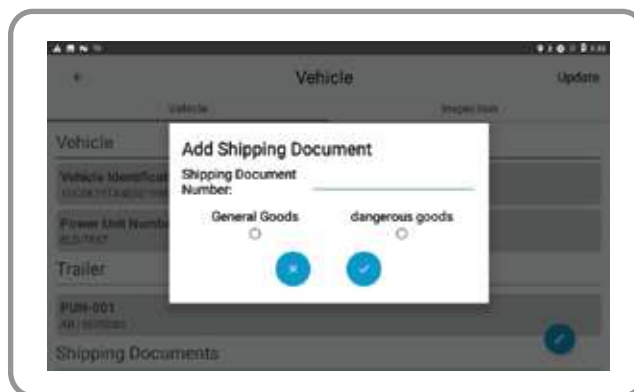
### Step 3:

To delete the documents, check the checkbox of the shipping documents that the driver wants to delete.

ADD DOCUMENT button will transform to DELETE DOCUMENTS

### Step 4:

Click  to delete the selected shipping documents.



### Step 5:

In order to add a document, click button.

A window will popup that allows the driver to enter the document number manually.

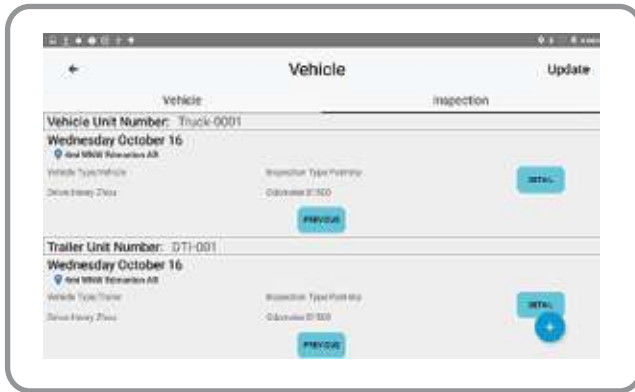
*Note: The status of each shipping document will be in the implementation schedule. The driver will be allowed to claim the document as START DELIVERY and DELIVERED. The timestamp of each status will be recorded.*

### Step 6:

Enter Power Unit Number and other information.

Click  to save the trailer or click  to cancel





To change the Vehicle Inspection page, slide to the right from the Vehicle Page.

### Basic Information area

The latest inspection record for each vehicle and trailers is displayed

Date of the Inspection

Geo-location of the inspection

Vehicle type: Vehicle or Trailer

Inspection Type: Pre-Trip or Post-Trip

Driver Name

Odometer

### Detail Button

DETAIL

Details of inspection of the selected vehicle/trailer.

### Previous Button

PREVIOUS

To obtain the inspection history of the selected vehicle/trailer

### Add Inspection Button



Start a new inspection

### Tab

Vehicle

Inspection

The Tab contains two sections.

One is the current section Trip information. Another one is Vehicle section.

Tap the Vehicle or slide right on the screen to navigate to the Vehicle section.

The Vehicle section is described in section 6.1 of the ELD User Guide.

### Back Button

BACK

Back to Home Page

### Update Button

Disabled. For debugging purpose only.

# 3

## Usages of Vehicle Inspection



Detail button

**DETAIL**

A popup window will appear displaying the latest inspection information for the selected vehicle or trailer.

Previous button

**PREVIOUS**

A popup window will appear displaying all the inspection history of the selected vehicle or trailer from the last 30 days in a brief format.



Add Inspection Button

To create a new inspection for the current trip, click the button on the screen to navigate to an inspection creation page. This page will describe what is in section 7 of this ELD User Guide.

## How to create a new inspection for the trip



### Step 1



Click on the Add Inspection Button to navigate to the New Inspection Creation page (as described in section 6.5 of this ELD User Guide).

### Contents

**Drivers Name** Auto filled by the device

**Date of Inspection** Auto filled by the device

**Location of Inspection**

- Auto filled by the device
- Driver can manually edit the location description.
- Driver must manually enter the location when GPS is not working.

**Odometer**

This will be filled automatically from the parameters that is received from the vehicle after reimplement the interface with the new version of VCU.

For demo purpose, enter the odometer manually.

**Inspection Type** Pre-trip inspection or Post-trip inspection.

**Note:** The driver is required to do a Pre-trip inspection prior to starting current trip. It is also required for a post trip inspection after finishing the trip by the regulation.

The screenshot displays a mobile application titled "Inspection Checklist". It features a list of inspection items. The first item is "Truck Inspection", which has a "START" button and a progress indicator of "4.3%". The second item is "Trailer#1 Inspection", also with a "START" button. Below the list is a "Remark:" section containing a text input field with the placeholder text "Track Inspection Remark:". At the bottom of the screen, there are two buttons: "FINISH" and "CLEAR".

### Step 2

Check that each field has been completed and filled out. Click **START INSPECTION** button to create a new inspection for the trip. This will navigate to an Inspection Checklist page.

### Step 3

#### Checklist

The checklist would have a maximum of 4 individual inspection for the current number of trailers that's been registered for the current trip.

#### Remark

This section summarizes all the defect remarks from each individual inspection.

#### Percentage

Beside the **START** button, there will be a percentage that indicates the inspection progress of a started inspection. The percentage would become a check mark after the inspection has been completed.

#### Start

Click on the button to start an individual inspection for the selected truck or trailer.

#### Finish

This button will navigate to the confirmation page as the last step of the inspection. The button is only available when all inspections have been done.

#### Clear

This button will navigate to the confirmation page as the last step of the inspection.

to start the inspection for the truck or trailers, click the **START INSPECTION** button to start an inspection for selected truck or trailer.

1	Air Brake System	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
2	Cab	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
3	Cargo Securement	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
4	Coupling Devices	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
5	Dangerous Goods	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
6	Driver Controls	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
7	Driver Seat	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
8	Electric Brake System	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
9	Emergency/Safety Equipment	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
10	Exhaust System	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
11	Frame and Cargo Body	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
12	Fuel System	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
13	Glass & Mirrors	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
14	General	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
15	Heater/Defroster	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
16	Horn	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
17	Hydraulic Brake System	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
18	Lamps & Reflectors	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
19	Steering	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
20	Suspension System	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
21	Tires	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
22	Wheels, Hubs & Fasteners	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R
23	Windshield Wiper & Washer	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> R

## Contents

### Parts Name

Indicates parts that need to be inspected by the driver

Truck inspection is different from trailer inspection since some are not available in trailers.

### Results options ☐ P ☐ F ☐ R

The driver needs to pick one of P F and R

P represents PASS

F represents Failed

R represents Repaired

A remark input request window would prompt when F is selected

### Finish Button

Click to save and finish the current truck/trailer inspection and navigate back to Checklist page

### Reset Button

Click to reset the current truck/trailer inspection.

### Select All Button

Click to reset the current truck/trailer inspection.

### Back Button

Back to Checklist page without saving.

Incase the driver selected FAILED for one part, the remark requesting window will pop up as the image shown below.

Make sure all parts in the list has been checked, click  to save the current inspection for truck/trailer.

Repeat step 4 depending on the number of trailers that the driver has registered for the trip.

## Step 5

An example of a complete Inspection

button would not be available if the inspection steps are not completed.

Once the entire Checklist has been finished, click on the finish button to save and navigate to the Confirmation page.



### Step 6

Check to agree all terms and click on the SAVE button to complete the inspection.

### Timer Screen



The Lock screen will pop up automatically when the vehicle starts to move and exceed 5mph (8km/h)

The driver can click on the button on the homepage as described in section 1 to get in the Lock screen as well.

### Driver Timer

The countdown timer of the total hours that a driver can drive in a shift for the current selected working cycle. This timer starts to count down only when the driver is in Driving Status.

### Shift Timer

The countdown timer of the total hours that a driver can work in a shift for the current selected working cycle. This time starts to count down when the driver is not in Off Duty or Sleep and Berth Status.

### Cycle Timer

The countdown timer of the total hours that a driver can work in a cycle for the current selected working cycle. This timer starts to count down when the driver is not in Off Duty or Sleep and Berth Status.

### Timer to next break

Based on the Hours of Service Regulation, drivers must have at least two hours of rest during one shift. Here set the break time to be half of the total hours of a shift.

### Timer to Suggest Coffee Break

Based on the Hours of Service Regulation, drivers must take at least 30 minutes break every 8 hours of driving. Motor carrier can adjust the suggest coffee break.

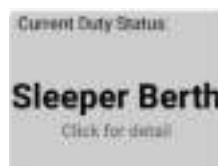
### Timer to break remain

Once the driver starts a break or coffee break, the timer starts to countdown for the remaining time. Motor carrier can adjust the time of each break.

### Current Duty Status

Indicates the current duty status of the driver.


Click on the area below to pop up a window to remind the driver how many times they have rested since the last Duty Status change to OFF DUTY or SLEEPER BERTH.



Helps the drivers avoid violations

## The Warning Screen



Click on the  button on the Home page as described in section 1 of this ELD User Guide to navigate to the Warning Screen.

There are two sections in the Warning Messages, one in the Compliance Monitoring Section described in this section. Another one is Unidentified Records Section described in section 13 of this ELD User Guide.

The ELD device has a self monitoring during the operation of the system.

Each monitor has the current status WORKING or MALFUNCTIONING.

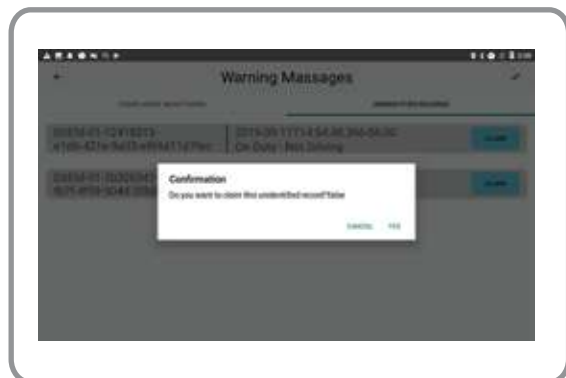
Each monitor has the last checked date and time.


## The Unidentified Records Claim



Slide left from the Compliance Monitoring Section as described in section 12 of this ELD User Guide to the Unidentified Records Page.

This page contains all unidentified records that are found in the ELD device.

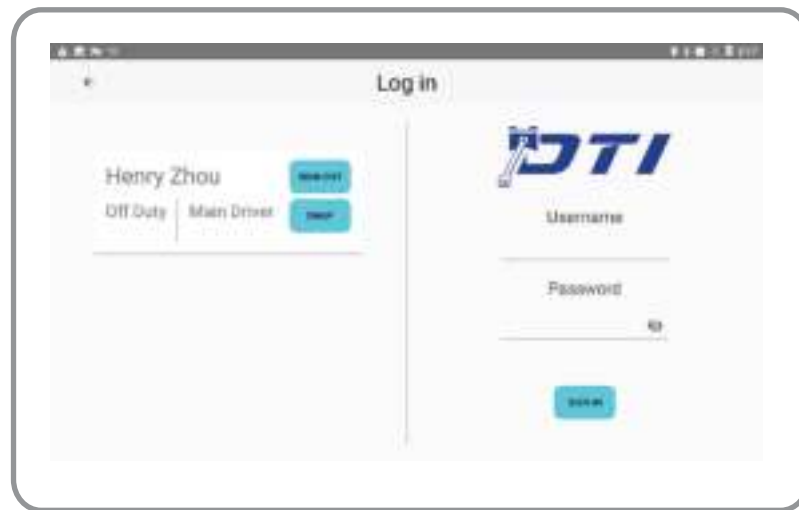


User can click on the  button of a record that the driver wants to claim it under the driver's profile. A confirmation window will pop up for the driver to confirm the action.

# 3

## The Account Introduction

Only accounts that has been registered in DTIs ELD Database can be logged in to the ELD system.



Example Log-In Page with one driver has logged in



### Driver status box

Contains each logged-in driver's duty status.  
Indicates the role of each drivers: Main driver/Co Driver.

SIGN IN

### Sign In Button

Used to sign in a driver.  
The button becomes unavailable if Username and Password is blank.

SIGN OUT

### Sign Out Button

Used for a logged-in driver to log out from the system.  
The next driver, after the main driver logs out, will become the new main driver.

SWAP

### Swap Button

When multiple drivers are logged in, they may swap roles.

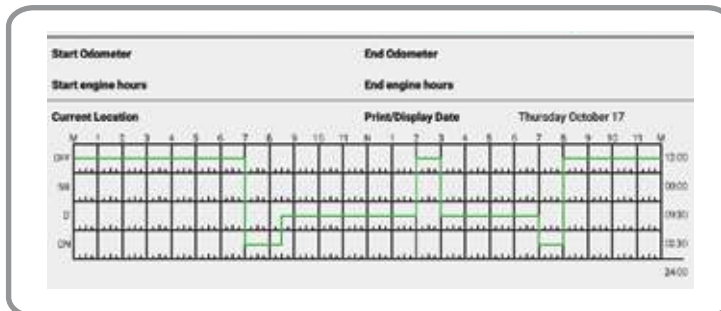
## DOT Inspection

**DOT Inspection**

THURSDAY OCTOBER 16    FRIDAY OCTOBER 17    SATURDAY OCTOBER 18    SUNDAY OCTOBER 19    MONDAY OCTOBER 20    TUESDAY OCTOBER 21    WEDNESDAY OCTOBER 22    THURSDAY OCTOBER 23    FRIDAY OCTOBER 24

Date	Wednesday October 16	Current Time	15:33:36
Timezone	08:00	Start Time	12:00 AM
Driver Name	Henry Zhou	Driver ID	Henry1000
Co-Driver		Co-Driver ID	
Identified Driver Records	None	Exempt Driver Status	None
License #	333-66666	License State	AB
VIN	12345678901234567890	Trailer ID	PLM001
Motor Carrier	David Tech Industries	Shipping ID	
ELD ID	TEST	ELD Provider	David Tech Industries

The DOT Inspection displays records for the current 24-hour period and the previous 7 consecutive days as described in section 4.8.1.3 (a) in Functional Specifications for all ELDs.



**DOT Inspection**

THURSDAY OCTOBER 16    FRIDAY OCTOBER 17    SATURDAY OCTOBER 18    SUNDAY OCTOBER 19    MONDAY OCTOBER 20    TUESDAY OCTOBER 21    WEDNESDAY OCTOBER 22    THURSDAY OCTOBER 23    FRIDAY OCTOBER 24

**Duty Status Changes, Intermediate Logs, and PC/MV**

Time	Event	Status	Location	Lat	Long	Distance	Hours	Odometer	Eng Hours	Comments
07:00:00	On Duty Not Driving	1	Driver	48.14169	-113.57	0	0.0	0	0.0	Load
08:00:00	Driving	1	Suburban	48.14169	-113.57	0	0.0	0	0.0	
14:00:00	Off Duty	1	Driver	48.14169	-113.57	0	0.0	0	0.0	Break
15:00:00	Driving	1	Suburban	48.14169	-113.57	0	0.0	0	0.0	
16:00:00	On Duty Not Driving	1	Driver	48.14169	-113.57	0	0.0	0	0.0	Unload

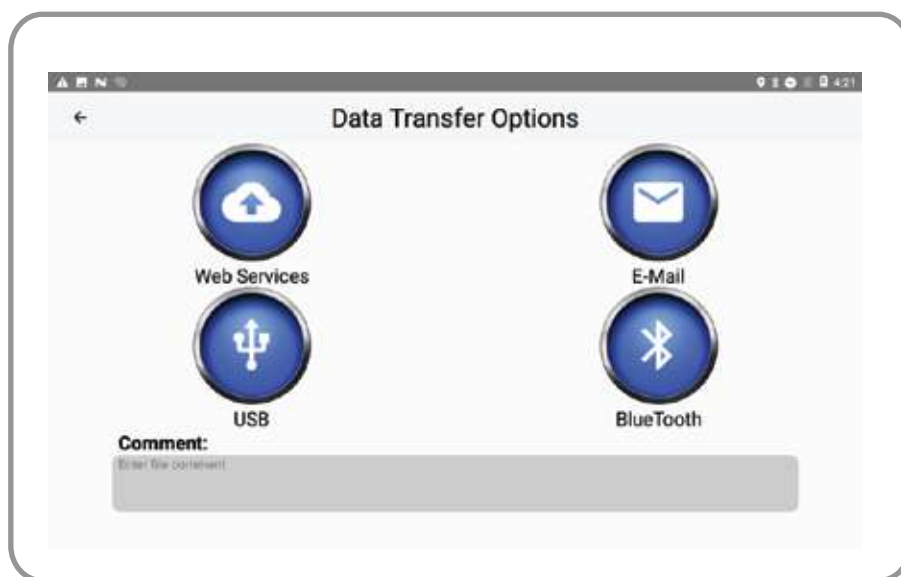
**Engine Power Up and Shut Down**

Time	Event	Location	Lat	Long	Odometer	Eng Hours	Seq. No.
06:55:00	Engine On- Precise Location	48.14169 Edmonton AB	53.57	-113.57	0	0.0	28
13:59:00	Engine Off- Precise Location	48.14169 Edmonton AB	53.57	-113.57	0	0.0	31
14:55:00	Engine On- Precise Location	48.14169 Edmonton AB	53.57	-113.57	0	0.0	33
19:10:00	Engine Off- Precise Location	48.14169 Edmonton AB	53.57	-113.57	0	0.0	36

Note: The DOT Inspection example above meets the requirements of FMCSA.



## 13.1 Contents of Data Transfer



### Web Services Transfer Button

To send dataset of the driver's records via Web Service that FMCSA provide to ELD provide.

Will be available in production version of DTI's ELD. This method of transfer requires internet access of the device.

### USB Transfer Button

To send dataset of the driver's records via USB. This method of transfer is available for demo. Must use an authorized USB 2.0 to complete the transaction. The authorized USB must pre-contain a license file that is provided by FMCSA. Make sure to use the correct USB during the demo.

### Email Transfer Button

To sent dataset of the driver's records via Email that the authorized safety official provided. This will be available in production version of DTI's ELD. This method of transfer requires internet access of the device.

### Bluetooth Button

To receive internet access via Bluetooth connection. Then the driver is able to pick either Web Service or Email transfer to complete the dataset transaction.

### Back Button

Back to Home Page

### Comments Area

For authorized safety officials to enter any comments for the driver's roadside inspection. This is required to fill before the ELD device to generate the actual dataset file.

## 13.2 How to use USB to complete the data transfer



### Step 1

Click on the **comment** area

Then a comment input window will pop up for the authorized safety official or demonstrator to input any comment for the inspected driver as shown.



### Step 2

Click on the **USB Transfer Button**. A pop up authentication window for the driver to input the driver's password to authorize the continuous actions.



### Step 3

File is generated.

The **SEND FILE** button is unavailable now since there is no USB attached.



### Step 4

Connect the USB 2.0 that meets the requirements described in section 9.1 of this ELD User Guide

Once the ELD device observed the USB, the system will prompt a window for the driver to click "OK" to give permission for the USB to access the file system of the ELD device, as the image shown below:



### Step 5

After the USB has the permission to access the device, the button will be available and change the color to green as the image shown below:

Click on the **SEND FILE** button to complete the data file transaction.



## **Additional Information about automatically recording**

There are some types of record and data that will be recorded automatically by the ELD Device.

### **Log in | Log Out Record**

Everytime the driver logs in or logs out, the ELD will record the Log in | Log out record with a timestamp and location automatically.

### **Engine Power Up | Power Down**

Everytime the driver powers up or powers down the engine of the vehicle, the ELD will record the Engine Status record with timestamp, location, odometer, and engine hours automatically.

This feature requires VCU connection.

### **Driving records**

Everytime the vehicle starts to move and the speed of the vehicle exceeds 5 mph (8km/hr), the ELD will record a driving record and let the duty status to Driving for the driver.

This feature requires VCU connection.

### **Data Diagnostic records**

The ELD device will record a Data Diagnostic Logged record when there is any data missing during the operation of the device.

The Diagnostic cleared record will be recorded after the driver enters the missing data.

### **Malfunctioning records**

The ELD device will record a malfunctioning record for any type of Monitoring Malfunction that was found during the operation of the ELD device.

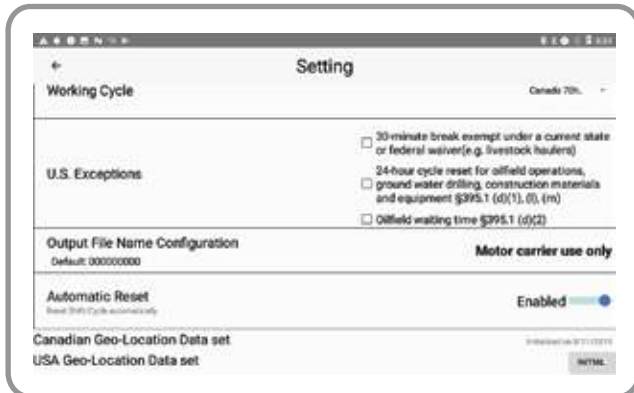
For example, when the GPS signal is bad, the ELD device cannot receive geo coordinates. The ELD device will record a Positioning Malfunction record. Once the GPS Signal is back, the ELD device will record a Positioning Malfunction cleared record.

### **Geo Coordinates**

Receiving latitude and longitude from GPS.

## Functionalities of Setting

Click on the Setting button to navigate to Setting Page



### Working Cycle

The driver can use this to switch current working cycle.

Click on the spinner and the cycle list will show up.

### US Exceptions

Can be used to declare exemption of using CMV  
Not fully implemented

### Output File Name Configuration

The file name of the output file for transferring to the authorized safety official can be configured by motor carrier according to 4.8.2.2 (f), Functional Specifications for all ELDs.

### Automatic Reset

Enable to let the ELD device to reset the driver's cycle or shift when the drive gets enough rest.

Disable to let the driver to decide when to reset cycle or shift.

### Canadian Geo-Location Data set

Geo location information for all Canadian jurisdictions must be derived from a database that contains all locations (cities, towns, villages, municipalities, etc.) listed in the latest database provided by the ELD Certification entity, according to 4.4.2 (b) Technical Standard for Electronic Logging Devices

Date set used to convert geo coordinates to Geo location within Canada.  
Needs to be initialized before operating in Canada Area.  
Only one initialization needed for one ELD device.

### USE Geo-Location Data Set

Geo location information must be derived from a database that contains all cities, towns and villages with a population of 5000 or greater and listed in ANSI INCITS 446-2008 (R2013), according to 4.4.2 (b), Functional Specifications for All ELDs.

Data set used to convert geo coordinates to Geo Location within USA  
Need to be initialized before operating in USA Area.  
Only one initialization needed for one ELD device.

Canada 70hr/7days  
Canada 120hr/14days  
Canada (North of 60) 80hr/7days  
Canada (North of 60) 120hr/14days  
U.S. 60hr/7days  
U.S. 70hr/8days  
Alaska 70hr/7days  
Alaska 80hr/8days  
California 80hr/8days