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

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.

**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.

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

**Warning**
This contains a list of warning alerts, malfunctions, and unasigned 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.
Log Book Introduction

Incident Report
Vehicle Indicent 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.
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.

**HoS Grids | Hours of Service**
The hours of service grid presents 24 hours of activity trend from 00:00 to 23:59.

**Current Duty Status Bar**
Displays the duty status of the current driver.

**ECM Connection Bar**
Displays the status of the ECM connection

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

**OFF | Off Duty Status**
The time at the end of the row represents the total time spent in the Off Duty Status.

**PC | Personal use of CMW**
Under Off-Duty Category, it will be shown in the same row a Off Duty but with an orange color.

**SB | Sleeper Berth Status**
Time time on the end of the row represents the total time spent in the Sleeper and Berth status.

**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.

**ON | On Duty Not Driving**
The time and end of the row represents the total time spent in the On Duty Status.

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

**Warning**
Notifies the driver when they are missing data or certification.

**Search**
Searches previous records.

**Back**
Navigates back to the Home Page.
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

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.

3.2 Trip Information

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

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.

To add a comment for a specific record, click comment area of the record. A prompt will pop up to enter comments.
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 “Nineth Certification” according to Table 6, 7.20 in Functional Specifications for all ELDs.
Log Detail Introduction

Content of Log Detail Page

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.
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.

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.

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 of 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.

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

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”.

Sleeper
Sleeper and Berth duty status.

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.

Location Description Input
Location description is captured by GPS and translated to Geo-Location automatically. Incase 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

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. Incase 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

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.

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.

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.
To edit vehicle information manually, click on the button.

**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.

**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. The button will expand. Click on the Trailer button. A window will pop up 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 driver wants to delete. Next, the button will transform to DELETE TRAILER.

**Step 4:**
Click to delete the selected trailers.

**Step 5:**
To add a trailer, click on the button. A window will pop up which will allow you to enter the trailer information.

**Step 6:**
Enter Power Unit Number and other information.

**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**
Details of inspection of the selected vehicle/trailer.

**Previous Button**
To obtain the inspection history of the selected vehicle/trailer

**Add Inspection Button**
Start a new inspection

**Tab**
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 to Home Page

**Update Button**
Disabled. For debugging purpose only.
Usages of Vehicle Inspection

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

Previous button
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 reimplemnt 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.
Step 2
Check that each field has been completed and filled out. Click the 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 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 to start an inspection for selected truck or trailer.
Contents

Parts Name  Air Brake System
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  FINISH
Click to save and finish the current truck/trailer inspection and navigate back to Checklist page.

Reset Button  RESET
Click to reset the current truck/trailer inspection.

Select All Button  SELECT ALL
Click to reset the current truck/trailer inspection.

Back Button  BACK
Back to Checklist page without saving.

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

![Remark Request Window](image)

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

FINISH 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.

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.
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.
The Account Introduction

Only accounts that have 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 driver: Main driver/Co Driver.

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

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

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 send 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.

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.

Back Button
Back to Home Page
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.