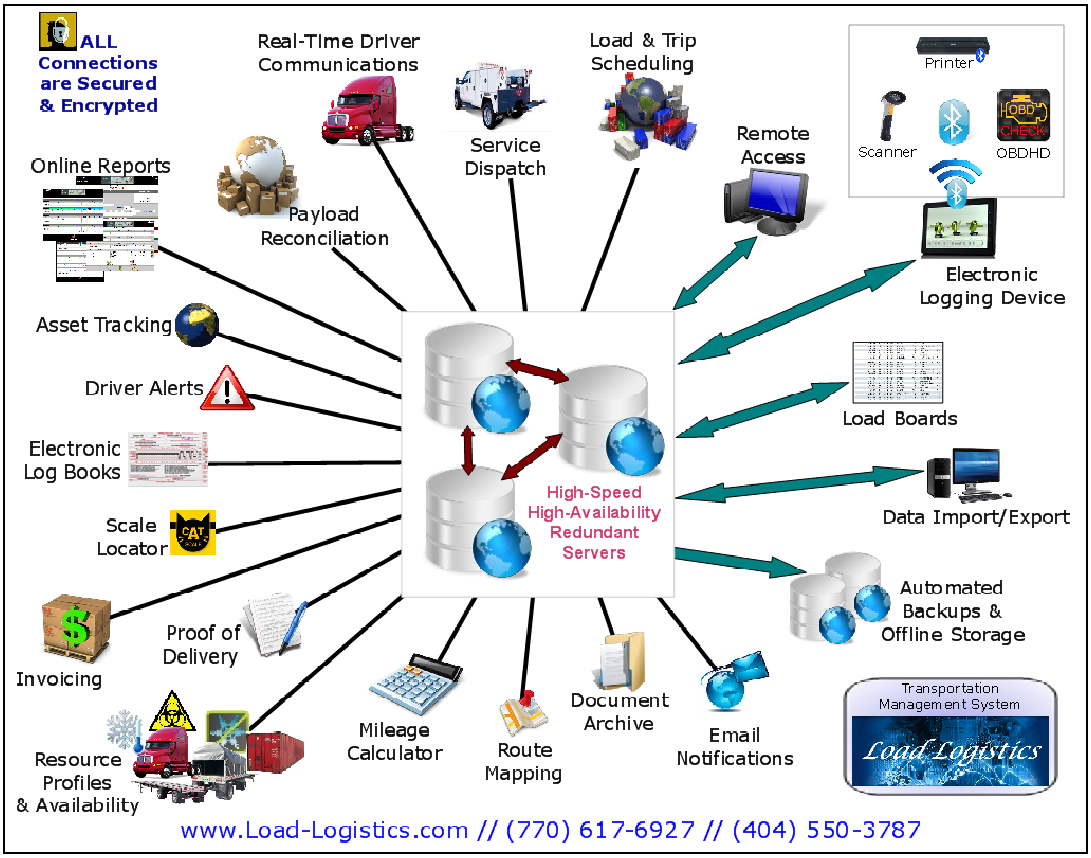
Load Logistics
Transportation Management System



ELD
APPLICATIONS
REFERENCE
MANUAL

Version 1.35

ELD APPLICATIONS OVERVIEW

This manual deals SPECIFICALLY with the ELD-related functions of the **LOGI-APPS®** applications. A separate manual defines ALL the LOGI-APPS functions.

This manual will explain the functions and uses for the **LOGI-APPS®** listed below.

.. **LOGI-LAUNCH –** Main Menu for LOGI-APPS®

.. **LOGI-LOGIN** – Driver Login/Logout

.. **LOGI-BOOK -** Driver Electronic Log Book

.. **LOGI-FILES -** File Exchange Interface (receive from server)

.. **LOGI-DOCS** - Document Interface (send to server)

.. **LOGI-HOS** - Hours Of Service Display/Print

.. **LOGI-DVIR** - Driver Vehicle Inspection Report

.. **LOGI-SIGN** - Electronic Signature Utility

.. **LOGI-OBDCTRL –** OBD Communications Control App

.. **ELD Diagnostics & Data Malfunctions**

-LOGI-LAUNCH-

The LOGI-LAUNCH® app, shown above, and AKA "**Main Menu**", is the app that contains access to all the driver apps on the tablet. From this menu, the driver is able to access all apps needed to communicate to and from the server. Each app is described in detail in the following pages.

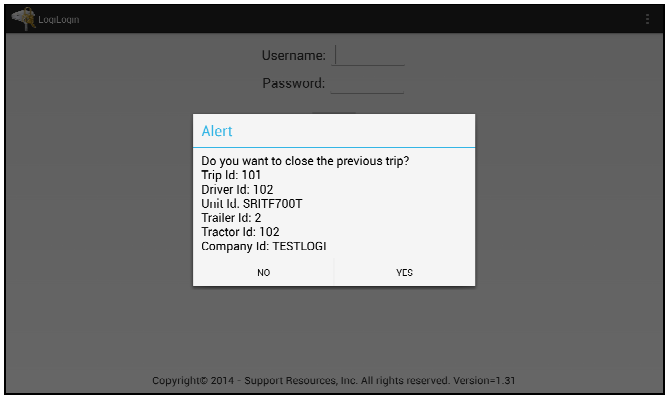
When the tablet is powered-on, this menu will appear within approximately 30 seconds and will remain the "launch point" for all the apps. In the event the driver accidentally closes this menu and returns to the Android® Home Screen, simply click on the icon shown below (on your main "desktop") to restart the LOGI-LAUNCH® menu. The UnitID for the device is displayed in the upper right corner.

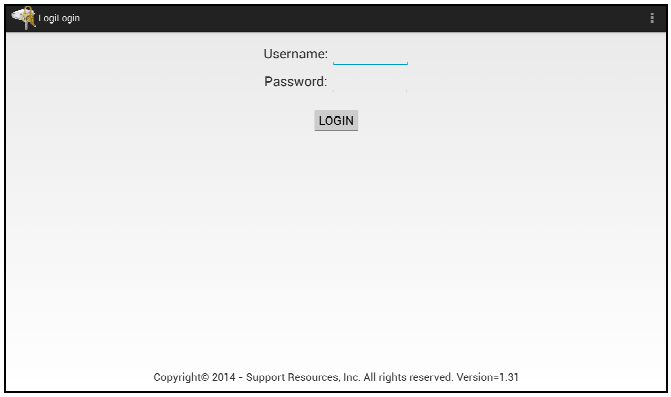
end of section

- LOGIN -

The LOGI-LOGIN® app is used to log-in or log-out of assigned trips. There is no need to log-out of a current trip until you have competed the current trip and all log book entries have been made.

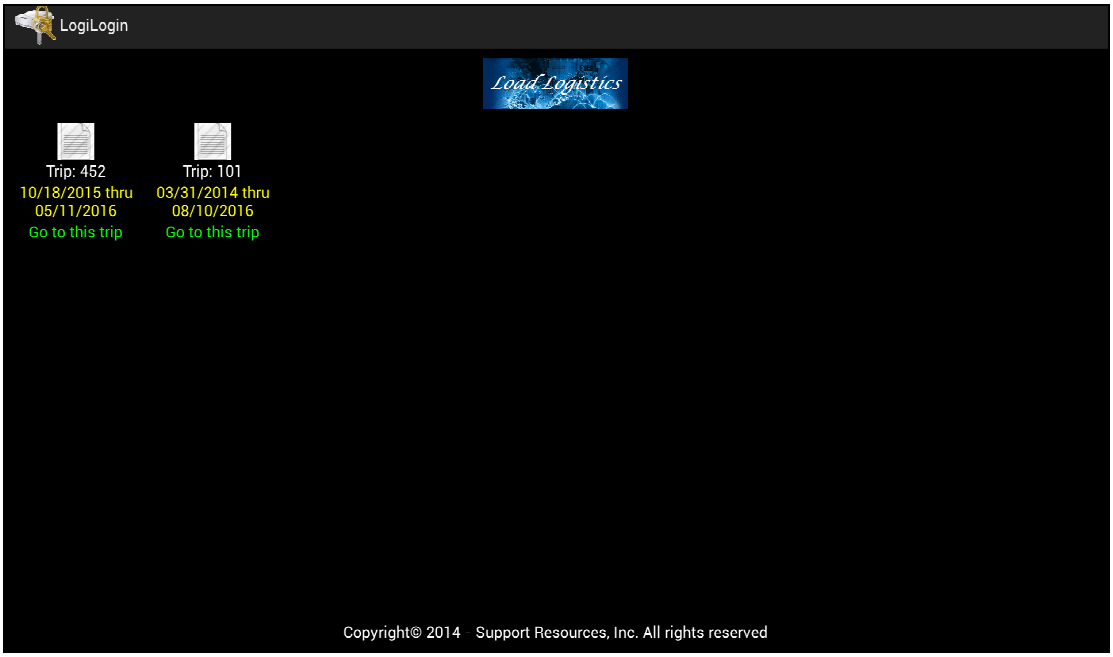
When this icon is clicked, one of the following screens will appear. If the driver is currently logged-in to a trip, the left screen will display and ask if the driver wishes to “Close the Previous Trip”. If the driver is NOT currently logged into a trip, the screen on the right will display and ask the driver for their “Username” and “Password”.





-LOGIN (CONT'D)-

When logging in, if the "Username" and "Password" are entered correctly, the following screen is displayed.



This screen will display all available trips that have been assigned to the driver. The driver then selects the trip to use.

After selecting the trip, the server will be updated and all data sent to the tablet will now be the data and configurations for the current trip. Once the trip is selected, the LOGI-LOGIN® app will return to the menu.

end of section

-LOG BOOK-

The LOGI-BOOK® app is used to enter and edit driver log book entries and produce the required RODS information. This is the main app for managing the electronic log entries. The LOGI-BOOK® app is accessed from the "**Menu**" by clicking the image shown above.

Other LOGI-APPS® on the tablet also make log entries into the log book files and will be included in the "Log Book Displays" and the "DVIR displays".

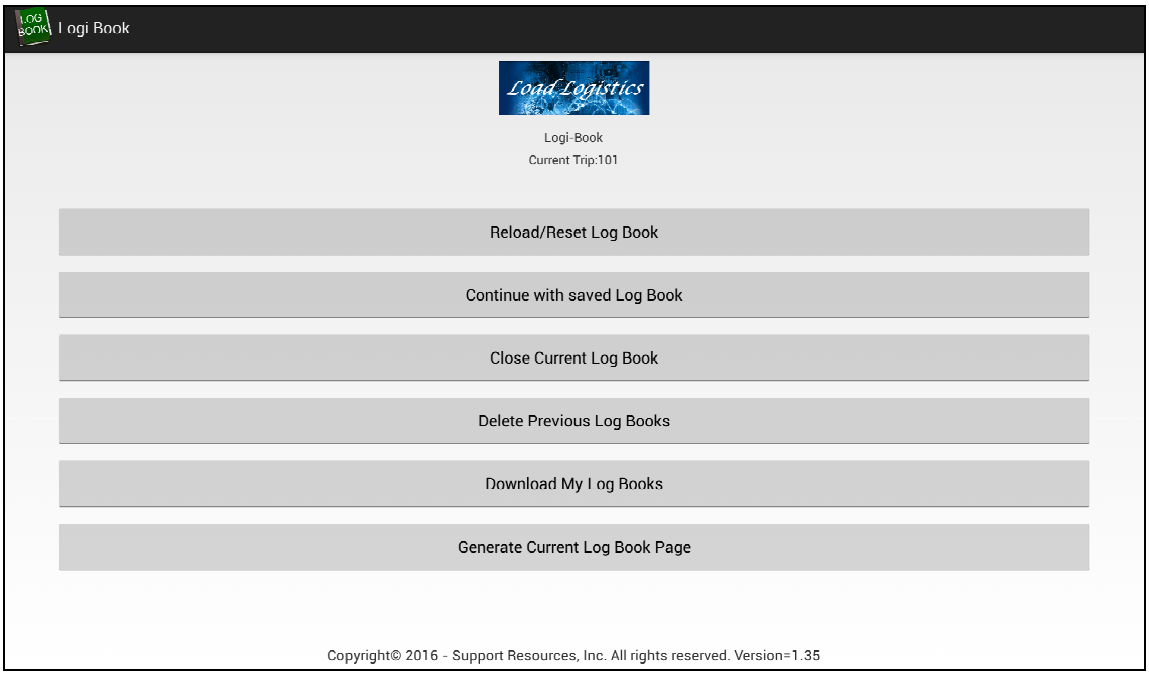
The LOGI-BOOK® app performs, among others, the following functions:

1. Creates & Edits the driver's log books
2. Uploads & Stores driver log entries on the server
3. Uploads Mileage information to the server used for Maintenance logs, maintenance scheduling, MPG analysis and IFTA reporting
4. Creates "current day" log books locally in the event of DOT Inspections
5. Produces server reports for
    a. Scheduling
    b. Hours Of Service
    c. Lane Analysis
    d. Performance Services
    e. Prints stored Log Books
    f. and others……

In the following pages, we will describe, in detail, the workings of the LOGI-BOOK® app.

-LOGBOOK (CONT'D)-

When the icon is clicked, the Log Book menu shown below will be displayed.



The "**Reload/Reset Log Book**" option is used to request that the server "resequence" the existing log entries and then display the log book "grid page".

The "**Continue with saved Log Book**" will open and use the log entries currently stored on the tablet and then show the "grid page" without resequencing.

The "**Close Current Log Book**" option will close the LOGI-BOOK® app and return to the "**Menu**".

Since the last 30 days of log books are stored on the tablet, the "**Delete Previous Log Books**" option will remove any existing stored log book PDF pages that are currently stored on the device. This **WILL NOT** remove any log book entries currently stored on the tablet or in the databases on the server.

-LOGBOOK (CONT'D)-

The "**Download My Log Books**" option will retrieve your last 30 days of log book PDF pages from the server and store them on the tablet.

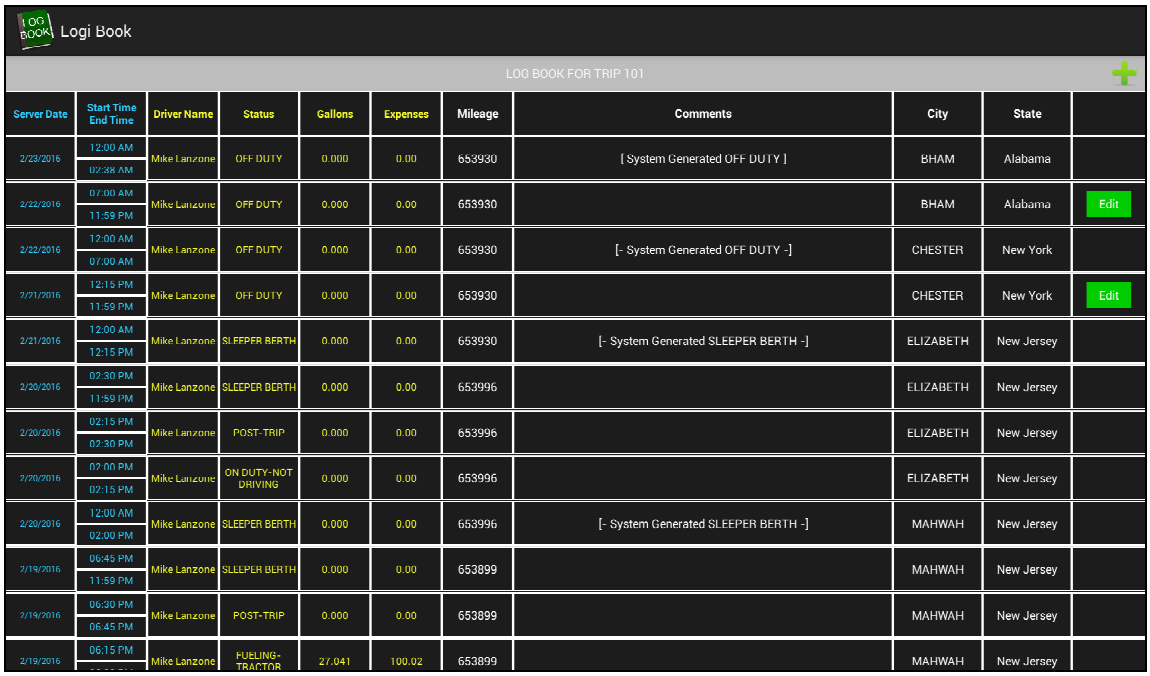
The "**Generate Current Log Book Page**" will produce a log book page, in PDF format, for the current day based upon the entries made into the tablet or retrieved from the server. The PDF log book page (and DVIR if available) will be displayed on the tablet.

The other apps on the tablet which make entries into the log book are:

- LOGI-MODS ("Modify") – The "Hook Trailer", "Drop Trailer", "Drop Tractor" and "New Tractor" functions will make appropriate entries into the log book.
- LOGI-PAYLOAD ("Payload") – When the "Arrive" or "Depart" buttons are clicked, this app will insert the appropriate entries into the log book.
- LOGI-SERVICE ("Service") – When the "Arrive" or "Depart" buttons are clicked, this app will insert the appropriate entries into the log book.
- LOGI-FUEL ("Fueling") – This app will insert the appropriate entries into the log book based on the driver's selections within this app.

-LOGBOOK (CONT'D)-

If "Reload/Reset" or "Continue with saved Log Book" is selected, the following screen is displayed. This screen is referred to as the "**Log Book Grid Page**".



Server Date	Start Time / End Time	Driver Name	Status	Gallons	Expenses	Mileage	Comments	City	State	
2/23/2016	12:00 AM / 02:38 AM	Mike Lanzone	OFF DUTY	0.000	0.00	653930	[System Generated OFF DUTY]	BHAM	Alabama	
2/22/2016	07:00 AM / 11:59 PM	Mike Lanzone	OFF DUTY	0.000	0.00	653930		BHAM	Alabama	Edit
2/22/2016	12:00 AM / 07:00 AM	Mike Lanzone	OFF DUTY	0.000	0.00	653930	[- System Generated OFF DUTY -]	CHESTER	New York	
2/21/2016	12:15 PM / 11:59 PM	Mike Lanzone	OFF DUTY	0.000	0.00	653930		CHESTER	New York	Edit
2/21/2016	12:00 AM / 12:15 PM	Mike Lanzone	SLEEPER BERTH	0.000	0.00	653930	[- System Generated SLEEPER BERTH -]	ELIZABETH	New Jersey	
2/20/2016	02:30 PM / 11:59 PM	Mike Lanzone	SLEEPER BERTH	0.000	0.00	653996		ELIZABETH	New Jersey	
2/20/2016	02:15 PM / 02:30 PM	Mike Lanzone	POST-TRIP	0.000	0.00	653996		ELIZABETH	New Jersey	
2/20/2016	02:00 PM / 02:15 PM	Mike Lanzone	ON DUTY-NOT DRIVING	0.000	0.00	653996		ELIZABETH	New Jersey	
2/20/2016	12:00 AM / 02:00 PM	Mike Lanzone	SLEEPER BERTH	0.000	0.00	653996	[- System Generated SLEEPER BERTH -]	MAHWAH	New Jersey	
2/19/2016	06:45 PM / 11:59 PM	Mike Lanzone	SLEEPER BERTH	0.000	0.00	653899		MAHWAH	New Jersey	
2/19/2016	06:30 PM / 06:45 PM	Mike Lanzone	POST-TRIP	0.000	0.00	653899		MAHWAH	New Jersey	
2/19/2016	06:15 PM /	Mike Lanzone	FUELING-TRACTOR	27.041	100.02	653899		MAHWAH	New Jersey	

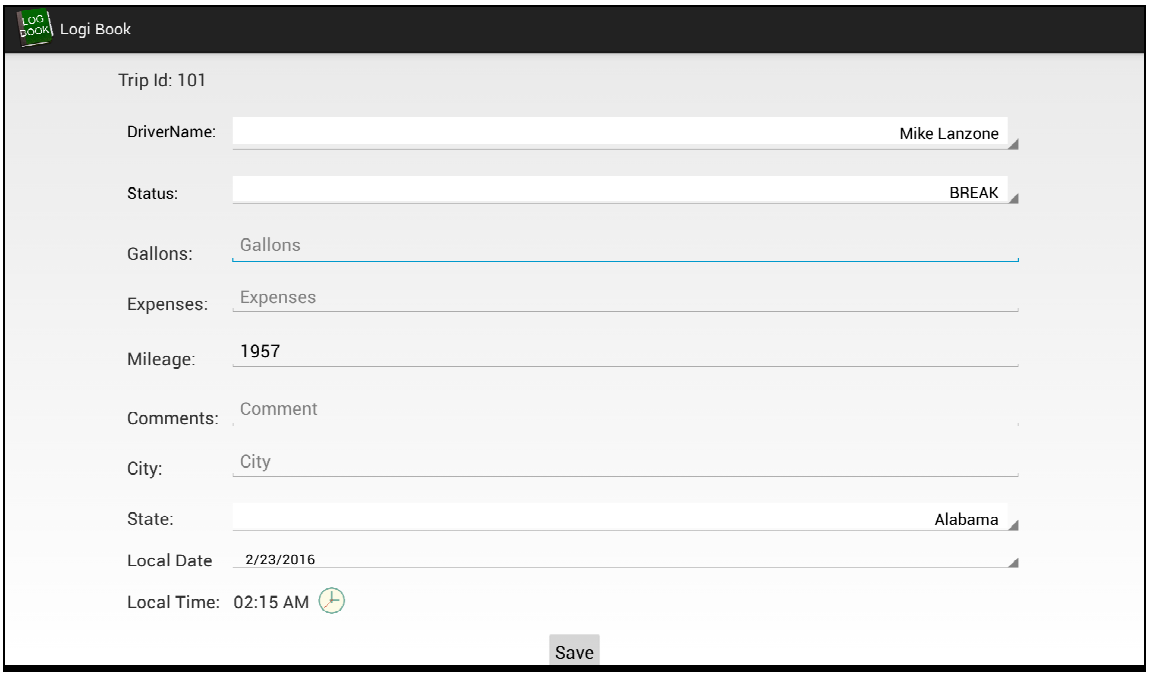
All log book entries for the last eight (8) days are displayed here. The information for each entry is displayed on the same line. The driver can scroll down through and review log book entries for the last 8 days. Entries older than 8 days are stored on the server but not sent to the tablet. The dispatchers, however, have access to these entries for you. Entries that can be edited will have the "Edit" button on the right-hand side of each line. Entries created by the server, and entries prior to yesterday, can not be edited by the driver on the tablet.

To create a new log entry, click the green "Plus Sign" in the upper right of this screen.

To return to the LOGI-BOOK menu options, click the "**Back**" key.

-LOGBOOK (CONT'D)-

When the "Plus Sign" in the upper right of the page is clicked, the following screen is displayed. This screen is referred to as the "**Log Book Entry Page**".



There are several "dropdown" fields on this screen including Driver, Status, State and Date. In all cases, the driver, status, mileage (retrieved from OBD if available), city and state are required.

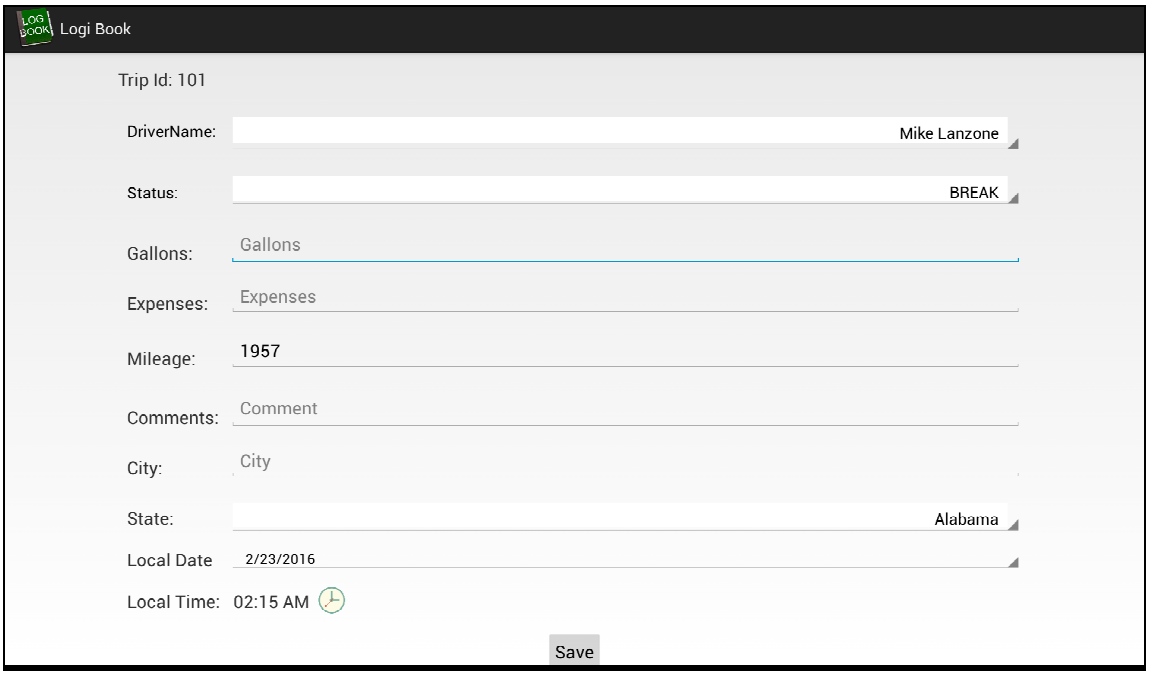
The Current date and time are the "default" when adding a new log entry.

When you have finished entering the fields for your entry, click the "Save" button at the bottom of the screen. Your entry will then be stored locally and also sent to the server.

If you wish to exit this screen and **NOT** save your entry, click the "**Back**" key to go back to the "**Log Book Grid Page**".

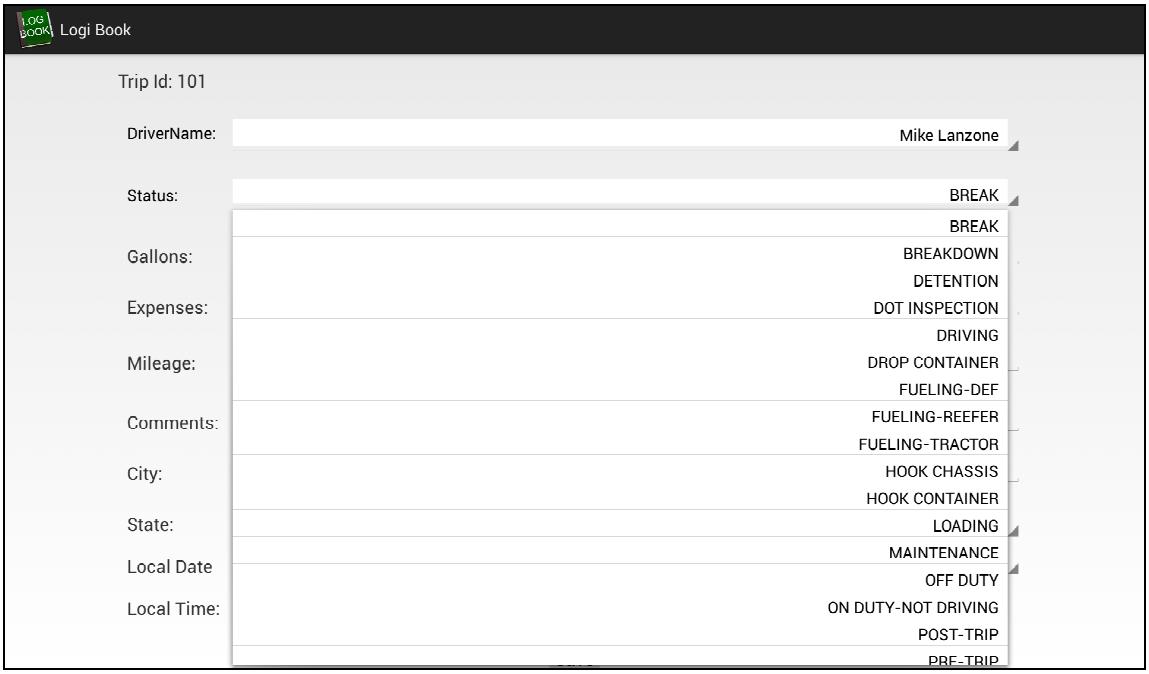
-LOGBOOK (CONT'D)-

By clicking the "Driver Name" field a list of available drivers (shown below) will display. If this driver is not part of a "team", the default driver (you) will be the only driver to be displayed. Select the driver to be used for this log entry from the "dropdown" list.



-LOGBOOK (CONT'D)-

After selecting the driver, you will need to select the "status" for this entry. Clicking the "Status" field will display a list of available statuses (sample shown below).



Select the appropriate status from the "dropdown" list and then complete fields:
….Gallons (if not using the fueling app)

….Expenses (if any) (this is typically used to enter the $ amount of fuel expenses)

….Comments (if any)

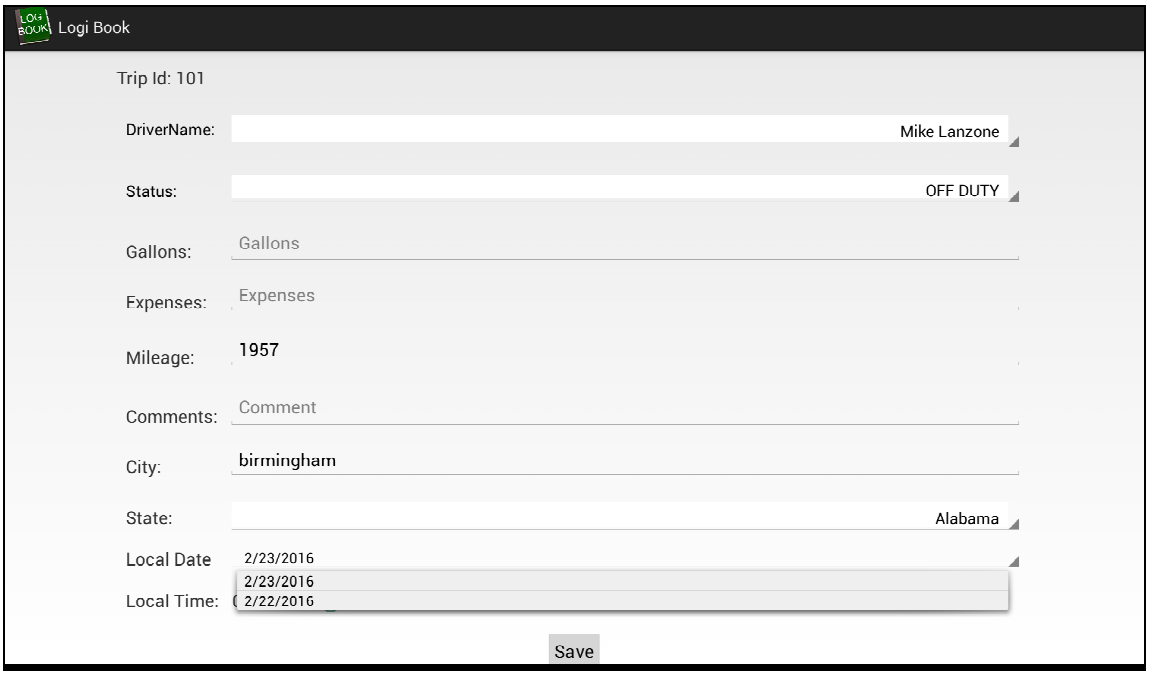
-LOGBOOK (CONT'D)-

When entering the state, clicking the "State" field will display the list of available states to choose from (sample shown below).

Then click on the appropriate state from the "dropdown" list to be used for this log entry.

-LOGBOOK (CONT'D)-

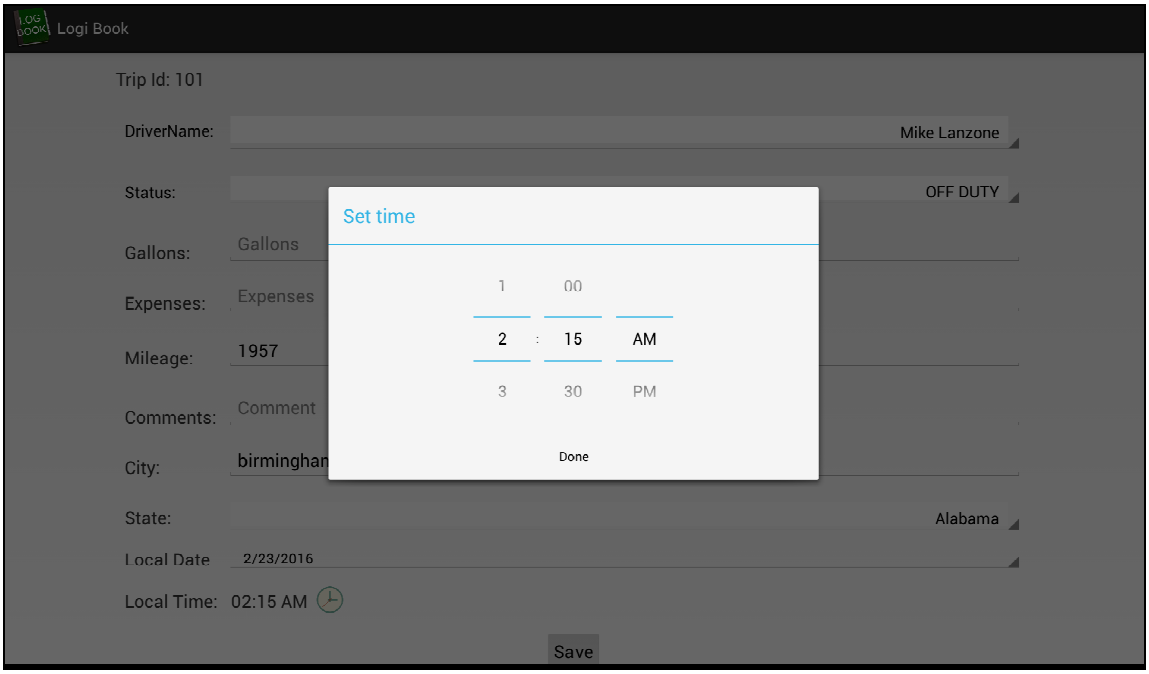
By default, when creating a new log entry, the current date and time are set for you. If you are entering a log entry for yesterday, click the date and a "dropdown" selection of today or yesterday is available (shown below).



Select the desired date from the "dropdown" list to be used for this log entry.

-LOGBOOK (CONT'D)-

To select a different time other than the one shown by default, click the "clock" image to the right of the default time to display the following screen.

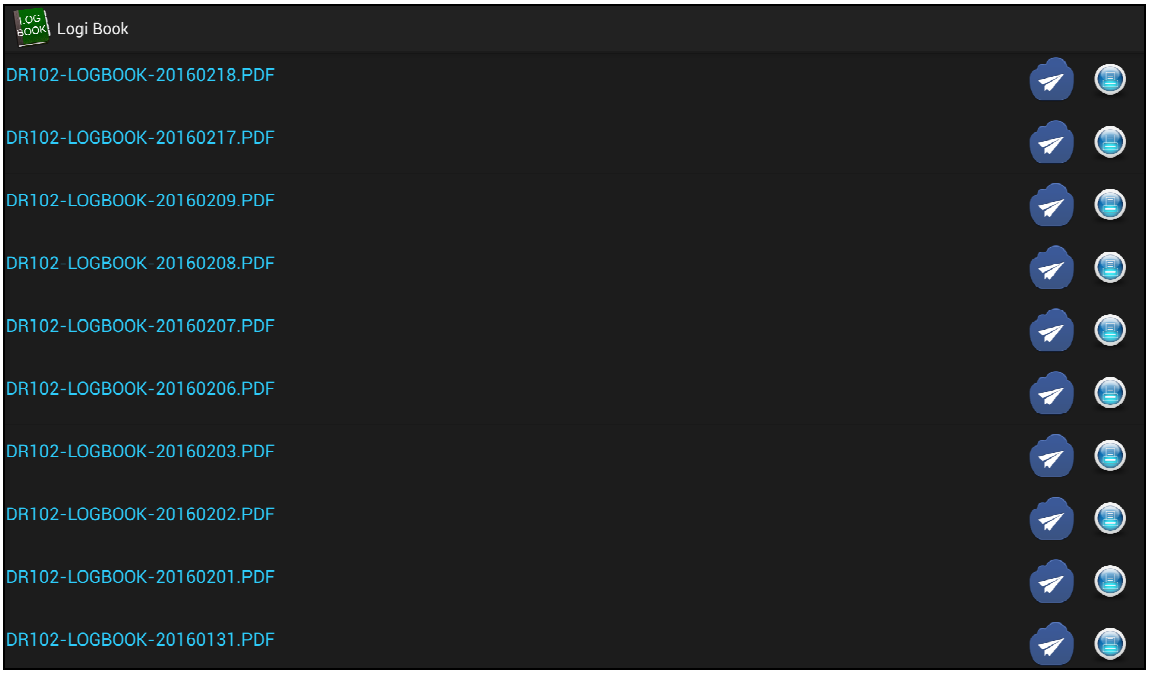


Adjust the time wheels (up and down) to select the time to be used for this log entry. And then click "Set".

Once you have finished with this log entry, click the "**Save**" button at the bottom of the screen to store your entry on the tablet, upload the data to the server and return to the "Log Book Grid Page".

-LOGBOOK (CONT'D)-

The "**Download My Log Books**" option will retrieve your last 30 days of log book PDF pages from the server (if these files do not already exist on the tablet) and store them on the tablet and then display all available log books on the screen shown below.



From this screen the driver can:

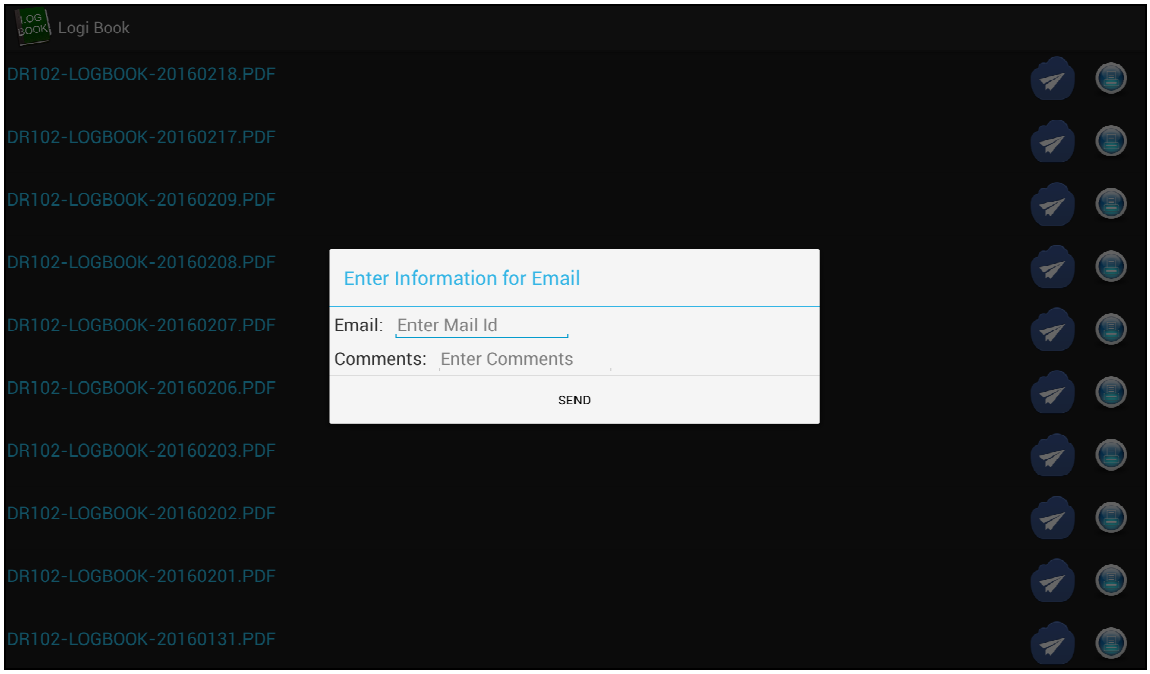
Display the appropriate Log Book by clicking on the name.

Email the appropriate Log Book by clicking the icon.

Print the appropriate Log Book by clicking the icon (if printer exists).

-LOGBOOK (CONT'D)-

If the driver wishes to email a copy of a logbook, for example, if a DOT officer requests a copy of the log book, the driver can click on the icon and a window will display requesting the email address to receive the copy of the logbook (shown below).

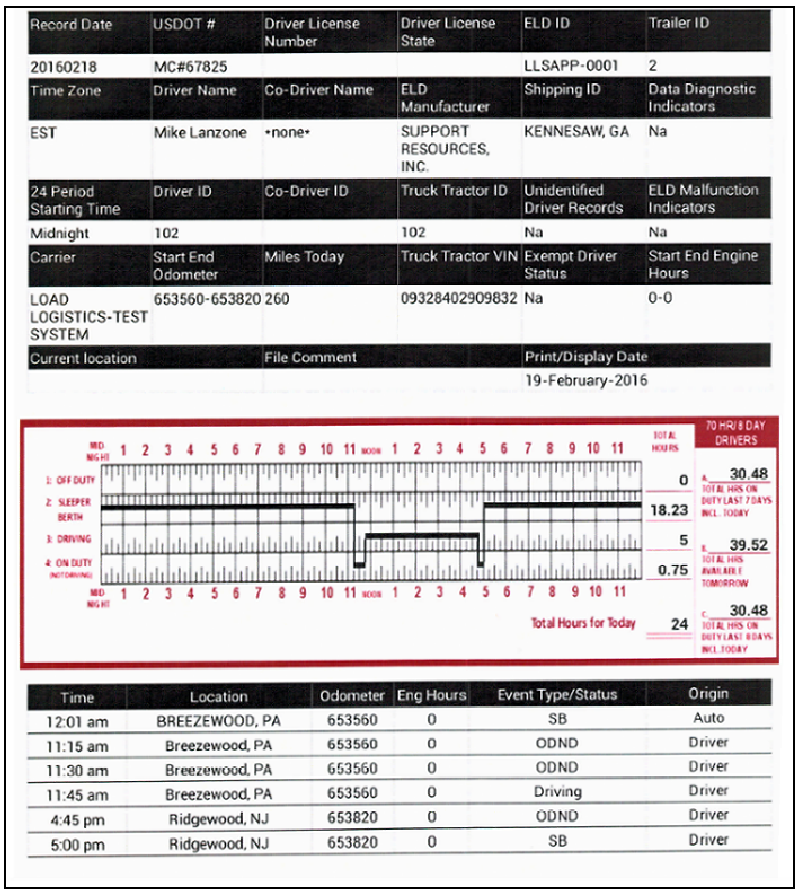


The driver then clicks "SEND" to send the email and the attached log book.

***NOTE: the "Comments" are stored on the server but ARE NOT sent in the email !

-LOGBOOK (CONT'D)-

The Log Book output produces two separate "sections". The first section is the log book itself (example shown below).

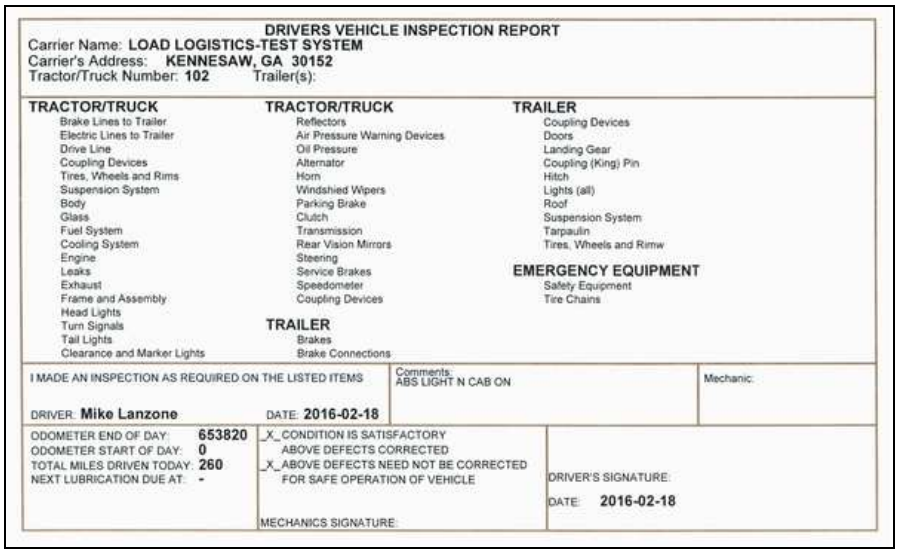


Record Date	USDOT #	Driver License Number	Driver License State	ELD ID	Trailer ID
20160218	MC#67825			LLSAPP-0001	2
Time Zone	**Driver Name**	**Co-Driver Name**	**ELD Manufacturer**	**Shipping ID**	**Data Diagnostic Indicators**
EST	Mike Lanzone	-none-	SUPPORT RESOURCES, INC.	KENNESAW, GA	Na
24 Period Starting Time	**Driver ID**	**Co-Driver ID**	**Truck Tractor ID**	**Unidentified Driver Records**	**ELD Malfunction Indicators**
Midnight	102		102	Na	Na
Carrier	**Start End Odometer**	**Miles Today**	**Truck Tractor VIN**	**Exempt Driver Status**	**Start End Engine Hours**
LOAD LOGISTICS-TEST SYSTEM	653560-653820	260	09328402909832	Na	0-0
Current location		**File Comment**		**Print/Display Date**	
				19-February-2016	

Time	Location	Odometer	Eng Hours	Event Type/Status	Origin
12:01 am	BREEZEWOOD, PA	653560	0	SB	Auto
11:15 am	Breezewood, PA	653560	0	ODND	Driver
11:30 am	Breezewood, PA	653560	0	ODND	Driver
11:45 am	Breezewood, PA	653560	0	Driving	Driver
4:45 pm	Ridgewood, NJ	653820	0	ODND	Driver
5:00 pm	Ridgewood, NJ	653820	0	SB	Driver

-LOGBOOK (CONT'D)-

The second section is the DVIR (example shown below).



DRIVERS VEHICLE INSPECTION REPORT

Carrier Name: **LOAD LOGISTICS-TEST SYSTEM**
Carrier's Address: **KENNESAW, GA 30152**
Tractor/Truck Number: **102** Trailer(s):

TRACTOR/TRUCK
- Brake Lines to Trailer
- Electric Lines to Trailer
- Drive Line
- Coupling Devices
- Tires, Wheels and Rims
- Suspension System
- Body
- Glass
- Fuel System
- Cooling System
- Engine
- Leaks
- Exhaust
- Frame and Assembly
- Head Lights
- Turn Signals
- Tail Lights
- Clearance and Marker Lights

TRACTOR/TRUCK
- Reflectors
- Air Pressure Warning Devices
- Oil Pressure
- Alternator
- Horn
- Windshied Wipers
- Parking Brake
- Clutch
- Transmission
- Rear Vision Mirrors
- Steering
- Service Brakes
- Speedometer
- Coupling Devices

TRAILER
- Brakes
- Brake Connections

TRAILER
- Coupling Devices
- Doors
- Landing Gear
- Coupling (King) Pin
- Hitch
- Lights (all)
- Roof
- Suspension System
- Tarpaulin
- Tires, Wheels and Rimw

EMERGENCY EQUIPMENT
- Safety Equipment
- Tire Chains

I MADE AN INSPECTION AS REQUIRED ON THE LISTED ITEMS

DRIVER: **Mike Lanzone** DATE: **2016-02-18**

Comments: ABS LIGHT N CAB ON

Mechanic:

ODOMETER END OF DAY: **653820**
ODOMETER START OF DAY: **0**
TOTAL MILES DRIVEN TODAY: **260**
NEXT LUBRICATION DUE AT: **-**

_X_ CONDITION IS SATISFACTORY
ABOVE DEFECTS CORRECTED
_X_ ABOVE DEFECTS NEED NOT BE CORRECTED
FOR SAFE OPERATION OF VEHICLE

MECHANICS SIGNATURE:

DRIVER'S SIGNATURE:
DATE: **2016-02-18**

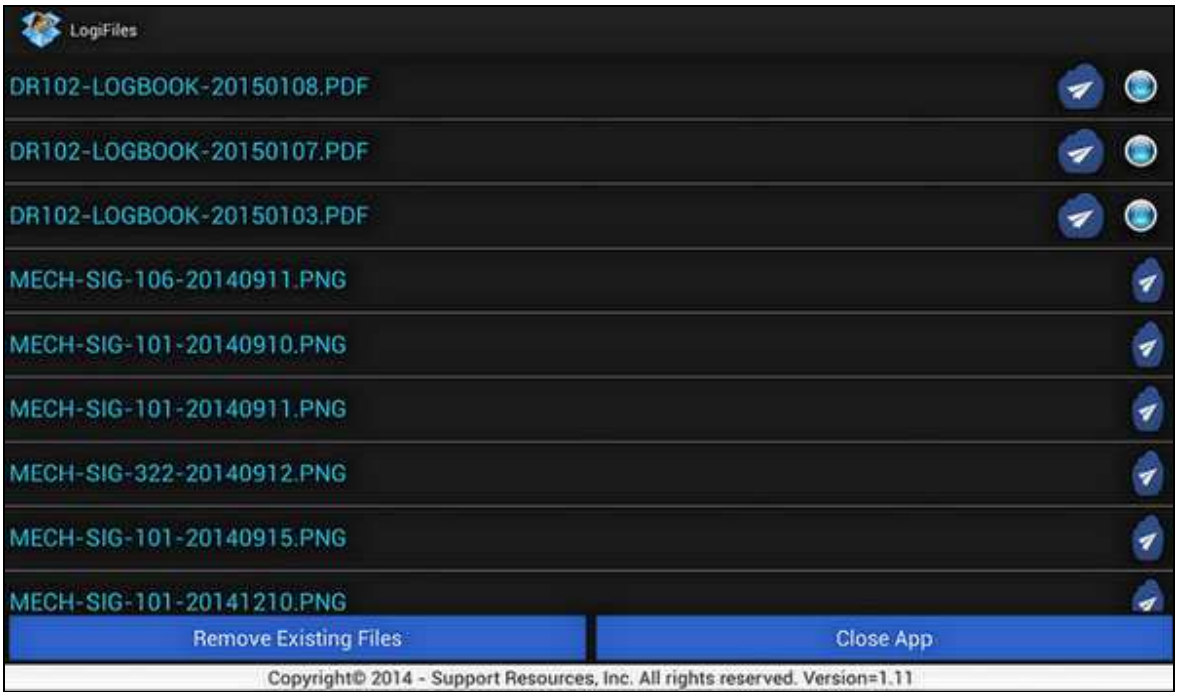
end of section

-MY FILES-

The LOGI-FILES® app is used by the driver to receive files from the dispatcher and/or the server.

These files are stored on the tablet and can be referenced at any time by clicking the LOGI-FILES® icon (shown above) from the "**Menu**" and returning to the LOGI-FILES® app.

After clicking the icon shown above from the "**Menu**", the following screen is displayed.



The list of available files stored on the tablet are displayed and can be "scrolled through".

-MY FILES (CONT'D)-

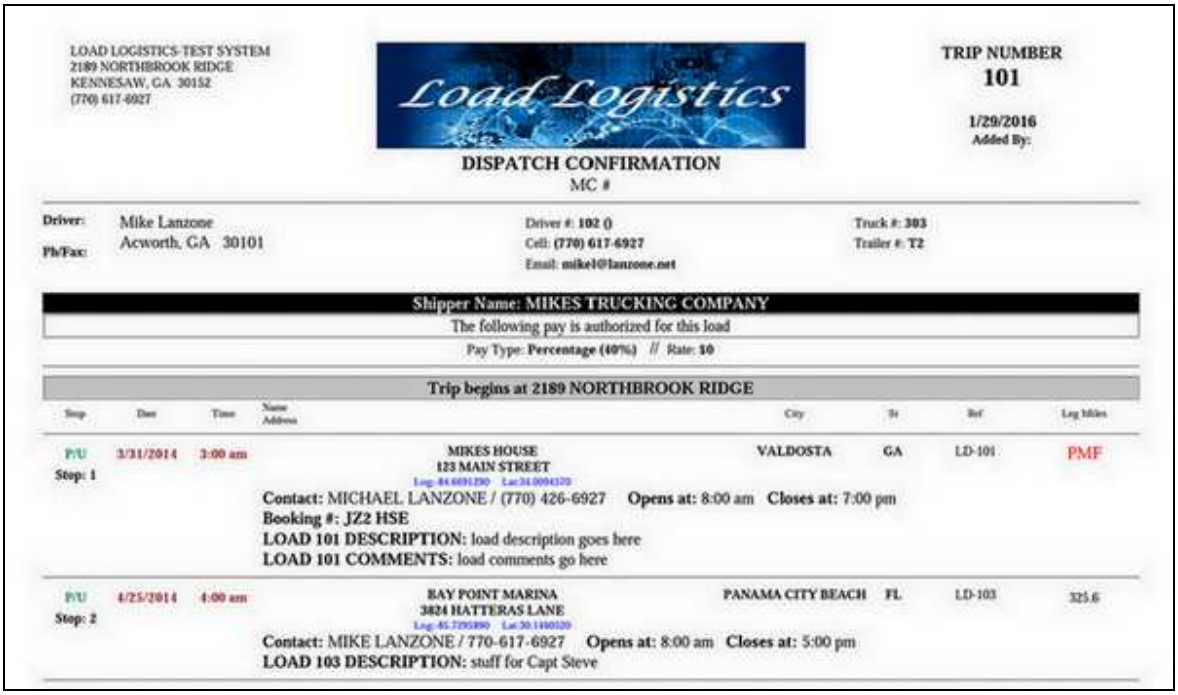
As with the LOGI-BOOK® app, these files can be emailed by clicking the icon beside any file and entering the email address to receive the file, or can be printed (if printer exists) by clicking the icon beside the file.

The individual files can be displayed on the tablet by clicking the file name in the list.

By clicking the "Remove Existing Files" button at the bottom of the screen, the app will delete/remove the current files stored on the tablet that have been downloaded from the server.

The app will then return to the "**Menu**". Then, by clicking the LOGI-FILES® icon from the "**Menu**", a new set of files associated with the data on this tablet will be downloaded.

When the filename "TR101-DISPCONF-101.PDF" (for example) is clicked, the Dispatch Confirmation for trip # 101 (shown below) will be displayed on the tablet and the driver can view the document by "scrolling" through it.



LOAD LOGISTICS-TEST SYSTEM
2189 NORTHBROOK RIDGE
KENNESAW, GA 30152
(770) 617-6927

TRIP NUMBER
101
1/29/2016
Added By:

DISPATCH CONFIRMATION
MC #

Driver: Mike Lanzone
Ph/Fax: Acworth, GA 30101

Driver #: 102 ()
Cell: (770) 617-6927
Email: mike1@lanzone.net

Truck #: 303
Trailer #: T2

Shipper Name: MIKES TRUCKING COMPANY
The following pay is authorized for this load
Pay Type: **Percentage (40%)** // Rate: **$0**

Trip begins at 2189 NORTHBROOK RIDGE

Stop	Date	Time	Name / Address	City	St	Ref	Leg Miles
P/U Stop: 1	3/31/2014	3:00 am	MIKES HOUSE 123 MAIN STREET	VALDOSTA	GA	LD-101	PMF

Contact: MICHAEL LANZONE / (770) 426-6927 **Opens at:** 8:00 am **Closes at:** 7:00 pm
Booking #: JZ2 HSE
LOAD 101 DESCRIPTION: load description goes here
LOAD 101 COMMENTS: load comments go here

Stop	Date	Time	Name / Address	City	St	Ref	Leg Miles
P/U Stop: 2	4/25/2014	4:00 am	BAY POINT MARINA 3824 HATTERAS LANE	PANAMA CITY BEACH	FL	LD-103	325.6

Contact: MIKE LANZONE / 770-617-6927 **Opens at:** 8:00 am **Closes at:** 5:00 pm
LOAD 103 DESCRIPTION: stuff for Capt Steve

When finished viewing the document, the driver will click the "**Back**" button to return to the LOGI-FILES® app.

Then the driver may click the "Close App" button to return to the "**Menu**".

end of section

-HOS-

The LOGI-HOS® app is used by the driver to display and/or print (if printer exists) the Hours of Service for the last 8 days (shown below). This information is gathered from the log book entries for each driver.

Date	Driving	On Duty-Not Driving	Detention	Total On Duty	Sleeper Berth	Off Duty
(102)MIKE LANZONE						
1/01/2015	0	0	0	0	24	0
1/02/2015	0	0	0	0	24	0
1/03/2015 *	0	0	0	0	8	16
1/04/2015 *	0	0	0	0	0	24
1/05/2015	0	0	0	0	0	24
1/06/2015	0	0	0	0	0	24
1/07/2015	2.25	1.5	0	3.75	16	4.25
1/08/2015	11.01	2.49	0	13.5	10	0.5
Total	13.26	3.99	0	17.25	26	76.75

*=RESTART

The driver's last 8 days HOS recap is displayed and can be printed by clicking the "Print" button (if printer is installed).

end of section

-DVIR-

The LOGI-DVIR® app is used to create the Driver Vehicle Inspection Report (**DVIR**).

The LOGI-DVIR® app is “called” whenever a “Pre-Trip”, “Post-Trip” or “Vehicle Inspection” status is entered into the log book (LOGI-BOOK®) app.

The LOGI-DVIR® app can also be “manually” started by clicking the LOGI-DVIR® icon (shown above) from the “**Menu**” when more than one inspection is performed in a given day.

The entries made via this app, whether manually started or started by LOGI-BOOK®, will produce the DVIR page which is attached to the current day’s log book for the driver.

-DVIR (CONT'D)-

When this app is started, the following screen is displayed.

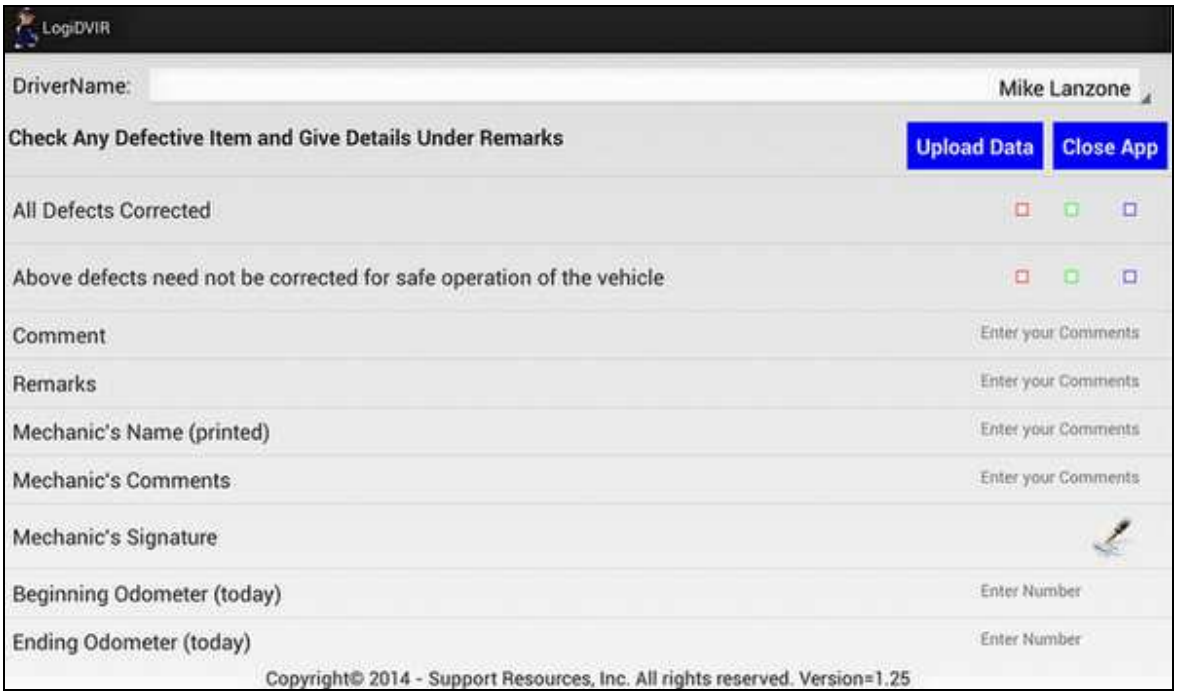
At the top right of this screen there are two blue buttons. The "Close App" button will close this app **WITHOUT UPDATES** to the DVIR data. The "Upload Data" button is used to store the DVIR data locally and update the server with the DVIR data.

Each displayed item has a "NO", "YES" and "REPAIRED" option. The driver can scroll through the list of all available items to check and click "NO", "YES" or "REPAIRED" on each. It is NOT necessary to click anything on items that are not checked. Primarily the checkmarks are for items that were "REPAIRED".

The items available for inspection are configured by your IT personnel.

-DVIR (CONT'D)-

At the end of the DVIR data (scroll to the bottom of the list) the items shown below will appear.



Please note that the "Condition is Satisfactory" has been checked. If repairs were made, make sure to check "All Defects Corrected" to indicate that the repairs have been made. If the defects were not needed for the safe operation of the vehicle, check the "Above defects need not be corrected for safe operation of the vehicle" item. The driver can enter a comment and/or remarks. If a mechanic (or the driver) made the corrections, type the mechanic's name in the "Mechanic's Name" field and click the "Mechanic's Signature" icon on the right to open up a signature "box" where the mechanic (or driver) will sign. When ALL checkmarks are finished and ALL necessary data has been entered, click the "Upload Data" box at the top right of the screen. The app will perform all needed updates and return to the previous screen.

end of section

-E-SIGN-

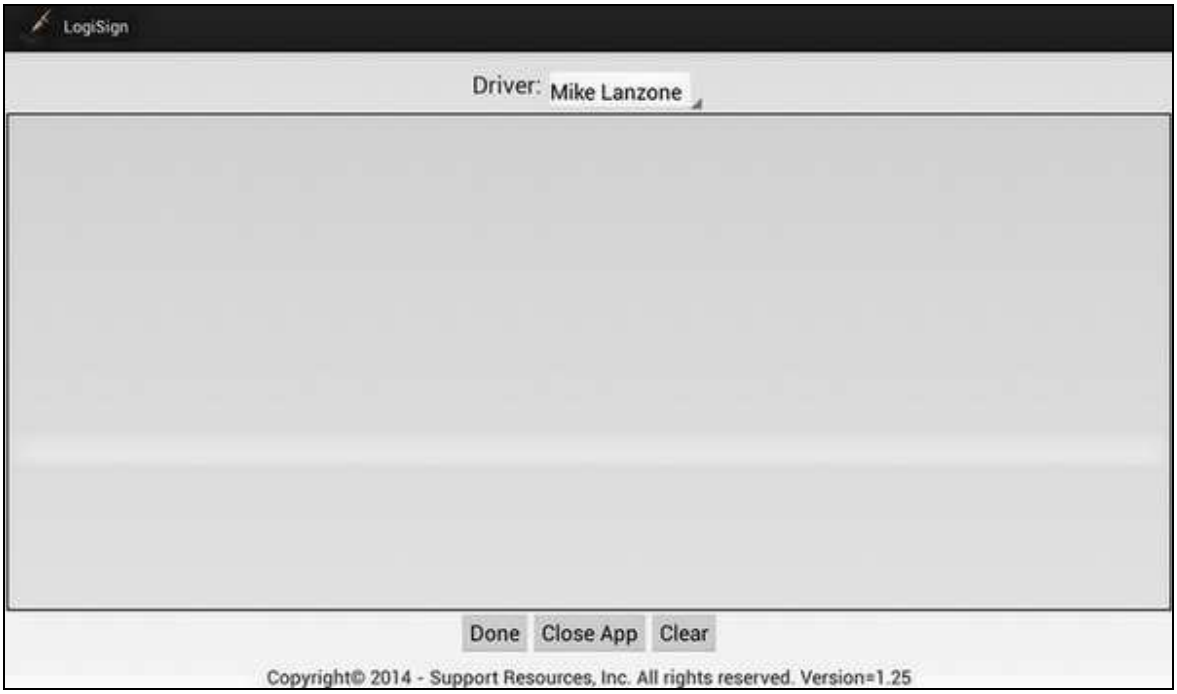
The LOGI-SIGN® app is used by the driver to create an electronic signature file and store the signature file on the server for future use.

The stored signature file is also stored locally on the tablet and is used in producing the Log Book Pages and DVIR pages.

***** NOTE:** This feature is only needed once for each driver since the signature files are stored on the server and are retrieved from the server as needed. The driver may re-create their signature file at any time if desired.

-E-SIGN (CONT'D)-

When the LOGI-SIGN® app is selected from the "**Menu**", the screen shown below will be displayed.



If the driver **DOES NOT** want to create a new signature, the driver clicks the "Close App" button to return to the "**Menu**".

-E-SIGN (CONT'D)-

The driver then clicks on the "Driver:" field to display the list of available signature files that can be created.

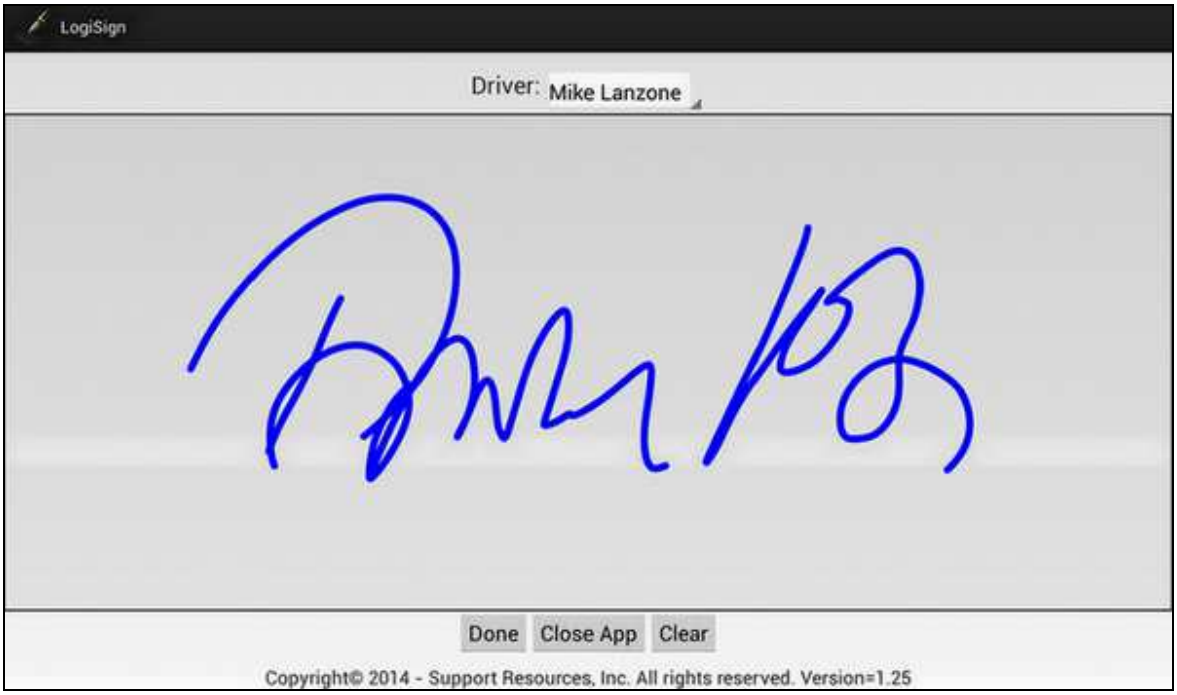
If a "team" is used on this trip, all drivers on the "team" will be displayed.

The driver now selects the person to which this signature belongs.

-E-SIGN (CONT'D)-

The driver then signs inside the large gray box in the center of the screen.

*** NOTE: The driver **MUST** sign their FULL NAME !
Initials and abbreviations SHOULD NOT be used
and are not acceptable for DOT purposes.



If the driver is not satisfied with the signature, the driver can click the "Clear" button and re-sign.

Once the driver is satisfied with the signature, the driver clicks the "Done" button. This will now store the digital signature on the server for future use.

If at any time the driver wishes to change/update their signature, the LOGI-SIGN® app will **OVERWRITE** the existing signature file that is stored.

-E-SIGN (CONT'D)-

After the driver has clicked "Done", the app will ask if there are more signatures to be entered. If there are no more signatures to be entered, the driver will click "Close App".

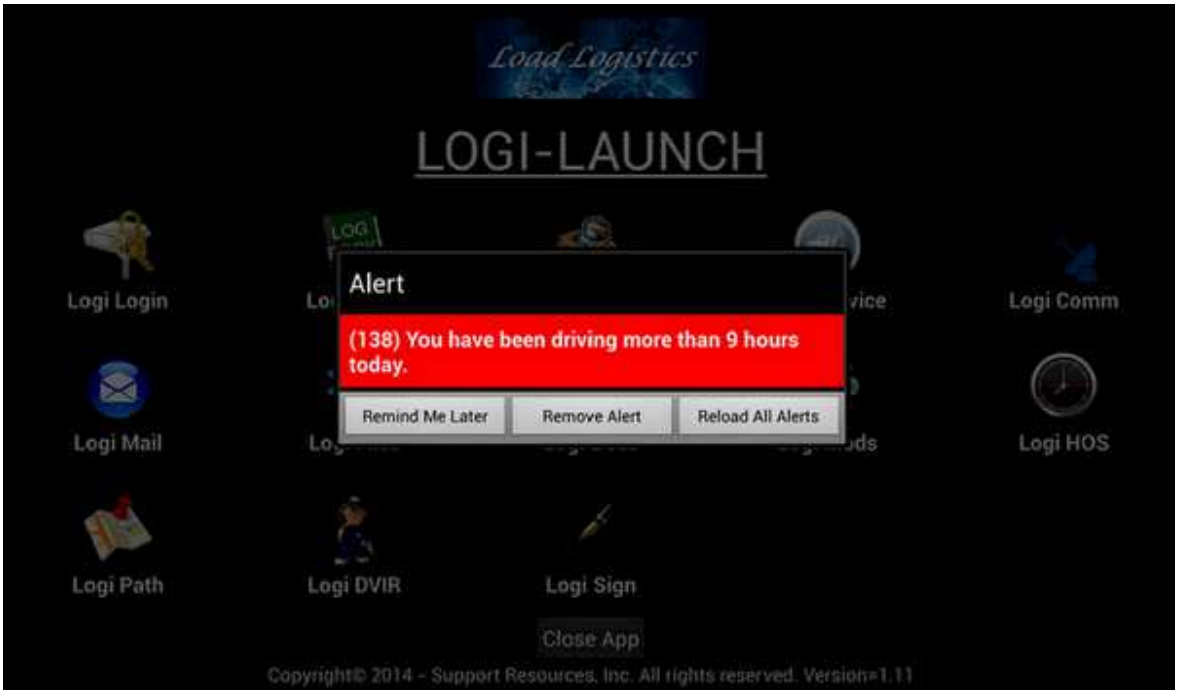
The stored signature file is also stored locally on the tablet and is used in producing the Log Book Pages and DVIR pages.

end of section

-ALERTS CONTROLLER-

The LOGI-ALERTS® function notifies the driver when:
…. approaching maximum hours driving for the current day
…. approaching maximum On-Duty hours for the day
…. important inbound messages from dispatch are received
…. when “server-generated” alerts are received

An example of an “Alert” is shown below. The “color” of the alert displayed indicates the “priority” of that alert. Alerts in “Red” are the highest priority.



The diver may click the “Remind Me Later” and the alert will redisplay at the next communications “cycle”. Clicking the “Remove Alert” will delete the alert from the alert “queue” and will NOT redisplay. Clicking the “Reload All Alerts” will refresh the alert “queue” from the server.

end of section

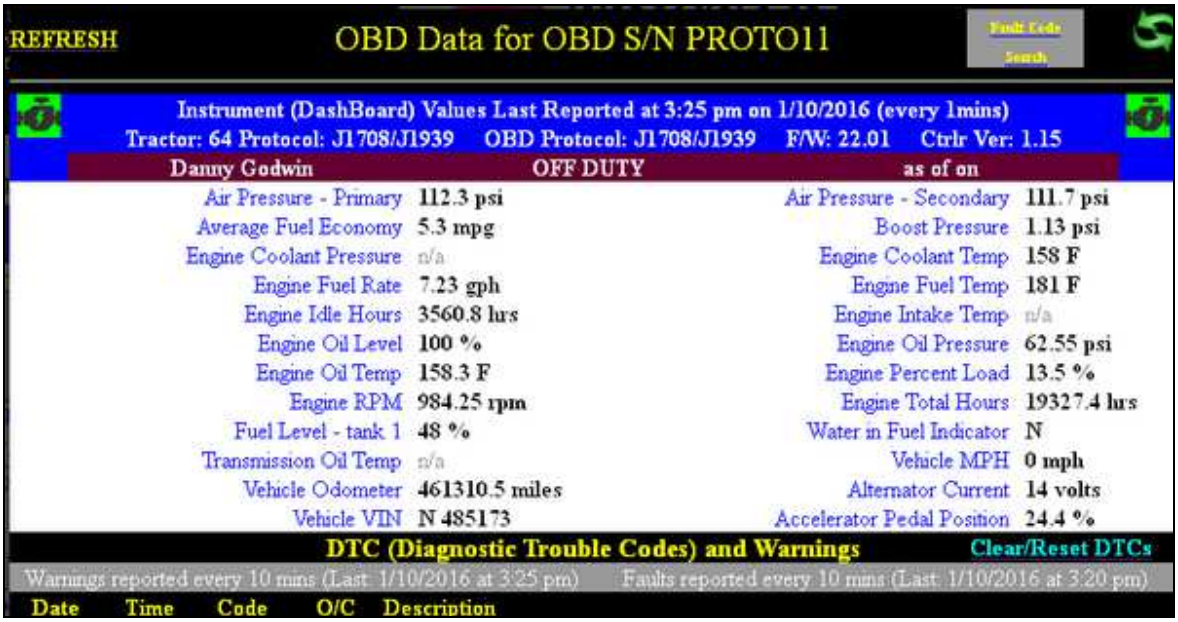
-OBD INTERFACE CONTROLLER-

The LOGI-OBDCTRL® app is started when the driver's device is booted up. This app will communicate with the bluetooth OBD device (if installed) and transmit fault codes, warnings and dashboard instrument readings retrieved from the ECU and ECM in the vehicle to the server.

Additionally, this app will notify the dispatcher AND the driver in the event ANY fault codes are detected from the ECU.

Fault code information is stored permanently on the server and stored for 48 hours on the driver's device. Fault codes are displayed on the driver's device in the same fashion that the alerts are displayed and also appear in the LOGI-MAIL® app as messages. Fault codes also generate a "work order" email to the maintenance staff to define the issue that has been detected.

Fault code history, most recent instrumentation readings, communications details, driver's current duty status and current location of the vehicle (by clicking "globe" in the upper left) can be displayed from the "OTR Trip Maintenance" screen within the DISPATCH modules (shown below). If a particular vehicle does not supply a value for a given item, the display will show "n/a" for that item.



-OBD INTERFACE CONTROLLER (CONT'D)-

The OBDHD1 device retrieves data from vehicle's ECU and ECM and supports the following protocols:

- J1850 PWM
- J1850 VPW
- SAE J1850
- SAE J1587
- SAE J1939(CAN)
- SAE J1708

The OBDHD1 kit is contains:

- 16 pin Bluetooth device (OBDHD1),
- 16 pin ELM to 9 pin Deutsch adaptor
- 16 pin ELM to 6 pin Deutsch adaptor.

This OBDHD1 includes compatibility with automotive protocols and widens the options to fleets using light and medium-duty trucks.

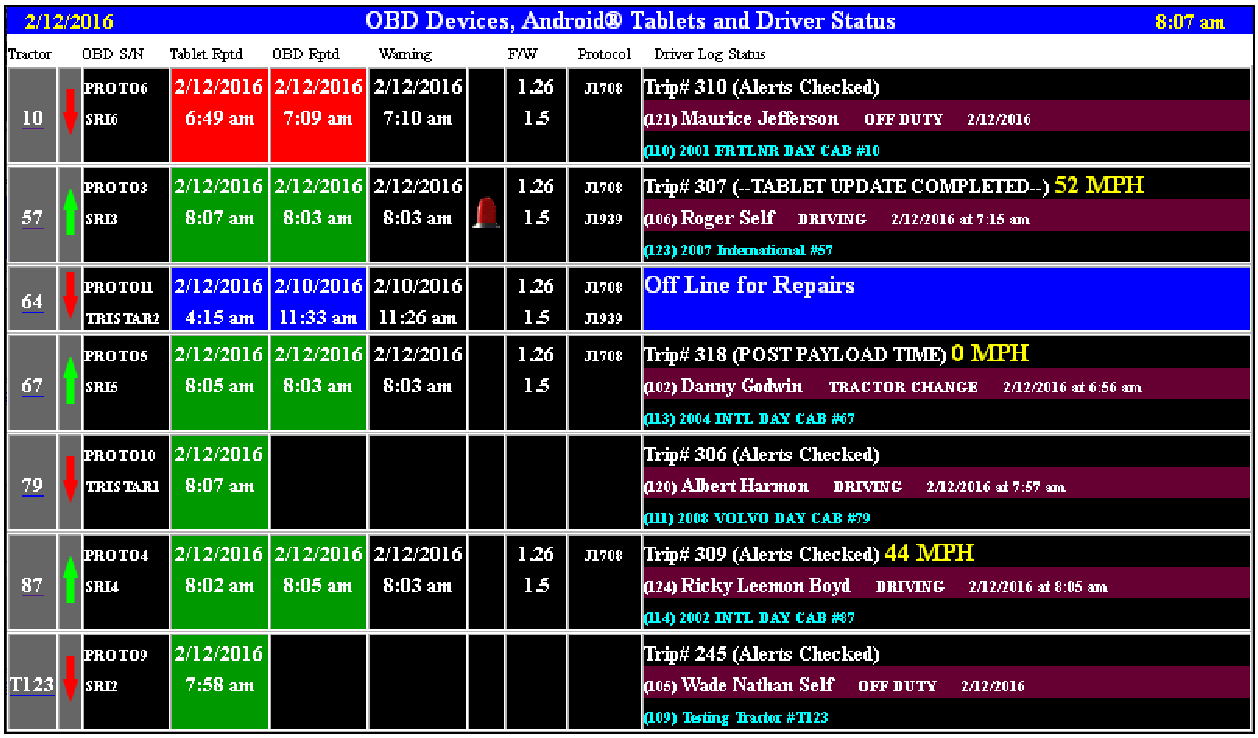
The OBDHD1 snaps into either the 6-pin or 9-pin adaptor (or directly into the 16-pin connector) and allows the OBDHD1 to interface the ECU and ECM.

The Blue LED light located on the OBDHD1 indicates a vehicle connection is present when blinking and Bluetooth connection/transmission to the Android® device/app when LED is solid.

-OBD INTERFACE CONTROLLER (CONT'D)-

The LOGI-OBDctrl® app, along with the LOGI-TRACK app, allows the dispatchers to view the status, in real-time, of vehicles and drivers in the fleet.

The display, shown below, can be viewed from the dispatcher's screen or can be projected to a larger wall-mounted display.



2/12/2016		OBD Devices, Android® Tablets and Driver Status							8:07 am
Tractor		OBD S/N	Tablet Rptd	OBD Rptd	Warning		F/W	Protocol	Driver Log Status
10	↓	PROTO6 SRI6	2/12/2016 6:49 am	2/12/2016 7:09 am	2/12/2016 7:10 am		1.26 1.5	J1708	Trip# 310 (Alerts Checked) (121) Maurice Jefferson OFF DUTY 2/12/2016 (110) 2001 FRTLNR DAY CAB #10
57	↑	PROTO3 SRI3	2/12/2016 8:07 am	2/12/2016 8:03 am	2/12/2016 8:03 am		1.26 1.5	J1708 J1939	Trip# 307 (--TABLET UPDATE COMPLETED--) 52 MPH (106) Roger Self DRIVING 2/12/2016 at 7:15 am (123) 2007 International #57
64	↓	PROTO11 TRISTAR2	2/12/2016 4:15 am	2/10/2016 11:33 am	2/10/2016 11:26 am		1.26 1.5	J1708 J1939	Off Line for Repairs
67	↑	PROTO5 SRI5	2/12/2016 8:05 am	2/12/2016 8:03 am	2/12/2016 8:03 am		1.26 1.5	J1708	Trip# 318 (POST PAYLOAD TIME) 0 MPH (102) Danny Godwin TRACTOR CHANGE 2/12/2016 at 6:56 am (113) 2004 INTL DAY CAB #67
79	↓	PROTO10 TRISTAR1	2/12/2016 8:07 am						Trip# 306 (Alerts Checked) (120) Albert Harmon DRIVING 2/12/2016 at 7:57 am (111) 2008 VOLVO DAY CAB #79
87	↑	PROTO4 SRI4	2/12/2016 8:02 am	2/12/2016 8:05 am	2/12/2016 8:03 am		1.26 1.5	J1708	Trip# 309 (Alerts Checked) 44 MPH (124) Ricky Leemon Boyd DRIVING 2/12/2016 at 8:05 am (114) 2002 INTL DAY CAB #87
T123	↓	PROTO9 SRI2	2/12/2016 7:58 am						Trip# 245 (Alerts Checked) (105) Wade Nathan Self OFF DUTY 2/12/2016 (109) Testing Tractor #T123

end of section

-LOGI-TRACK CONTROLLER-

The LOGI-TRACK® app is the “core” communications and configuration utility for ALL LOGI-APPS® applications for the Android® tablet.

The LOGI-TRACK® app controls the communications with the server, allowing data and information to be transferred to and from the server where the LOAD-LOGISTICS® dispatch software resides.

This app also controls the functionality and data flow of all the LOGI-APPS® applications.

Each tablet is configured with a unique Company ID# and Unit ID# which controls the various types of data that is to be transferred and received between the tablet and the server.

The configuration of the tablet is done prior to the tablet being issued for your use. Changes to the configuration can ONLY be made by specific personnel within your organization.

The LOGI-TRACK® app also notifies the server if there is a communication issue between the tablet and the server. This notification will appear on the dispatch screen within the LOAD-LOGISTICS® server modules.

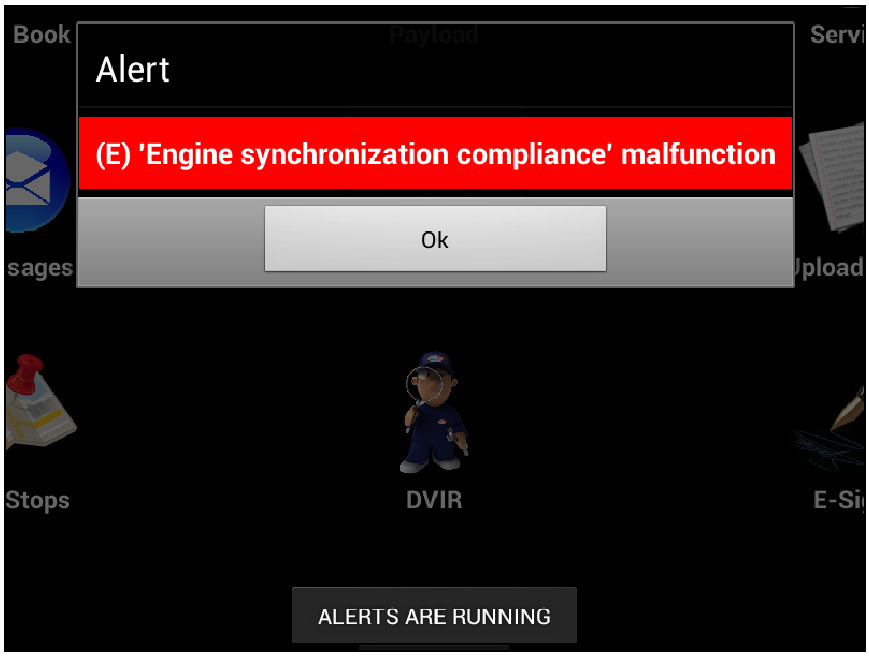
end of section

-ELD Malfunctions & Data Diagnostics-

The LOGI-TRACK® ELD apps include a Self-Monitoring function which not only relays malfunctions to the server, but also notifies the driver in the event of a malfunction. The malfunction codes, along with a sample screenshot are shown below.

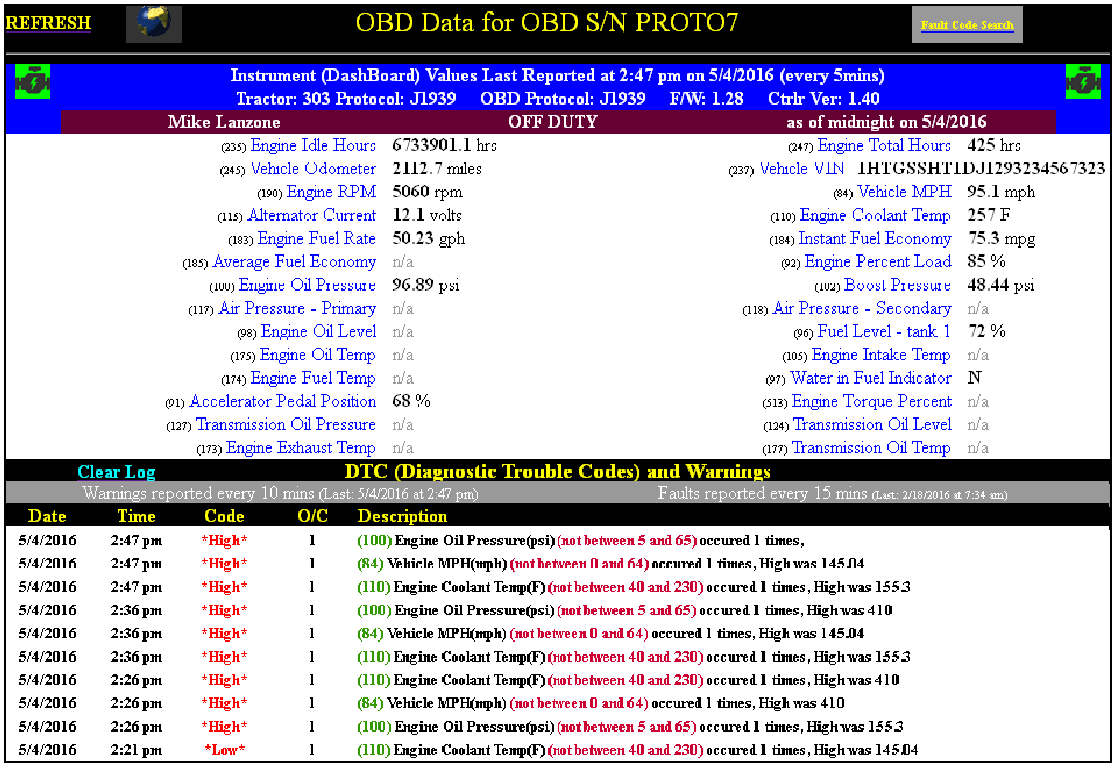
Malfunction/Diagnostic Code Malfunction Description
P “Power compliance” malfunction
E “Engine synchronization compliance” malfunction
T “Timing compliance” malfunction
L “Positioning compliance” malfunction
R “Data recording compliance” malfunction
S “Data transfer compliance” malfunction
O “Other” ELD detected malfunction

Malfunction/Diagnostic Code Data Diagnostic Event
1 “Power data diagnostic” event
2 “Engine synchronization data diagnostic” event
3 “Missing required data elements data diagnostic” event
4 “Data transfer data diagnostic” event
5 “Unidentified driving records data diagnostic” event
6 “Other” ELD identified diagnostic event



-ELD Malfunctions & Data Diagnostics (cont'd)-

In addition to notifying the driver, the ELD notifies the dispatcher of ALL codes reported by the ELD diagnostics "engine" (as shown below).



REFRESH — OBD Data for OBD S/N PROTO7 — Fault Code Search

Instrument (DashBoard) Values Last Reported at 2:47 pm on 5/4/2016 (every 5mins)
Tractor: 303 Protocol: J1939 OBD Protocol: J1939 F/W: 1.28 Ctrlr Ver: 1.40

Mike Lanzone	OFF DUTY	as of midnight on 5/4/2016
(235) Engine Idle Hours	6733901.1 hrs	(247) Engine Total Hours 425 hrs
(245) Vehicle Odometer	2112.7 miles	(237) Vehicle VIN 1HTGSSHT1DJ1293234567323
(190) Engine RPM	5060 rpm	(84) Vehicle MPH 95.1 mph
(115) Alternator Current	12.1 volts	(110) Engine Coolant Temp 257 F
(183) Engine Fuel Rate	50.23 gph	(184) Instant Fuel Economy 75.3 mpg
(185) Average Fuel Economy	n/a	(92) Engine Percent Load 85 %
(100) Engine Oil Pressure	96.89 psi	(102) Boost Pressure 48.44 psi
(117) Air Pressure - Primary	n/a	(118) Air Pressure - Secondary n/a
(98) Engine Oil Level	n/a	(96) Fuel Level - tank 1 72 %
(175) Engine Oil Temp	n/a	(105) Engine Intake Temp n/a
(174) Engine Fuel Temp	n/a	(97) Water in Fuel Indicator N
(91) Accelerator Pedal Position	68 %	(513) Engine Torque Percent n/a
(127) Transmission Oil Pressure	n/a	(124) Transmission Oil Level n/a
(173) Engine Exhaust Temp	n/a	(177) Transmission Oil Temp n/a

Clear Log — DTC (Diagnostic Trouble Codes) and Warnings

Warnings reported every 10 mins (Last: 5/4/2016 at 2:47 pm) Faults reported every 15 mins (Last: 2/18/2016 at 7:34 am)

Date	Time	Code	O/C	Description
5/4/2016	2:47 pm	*High*	1	(100) Engine Oil Pressure(psi) (not between 5 and 65) occured 1 times,
5/4/2016	2:47 pm	*High*	1	(84) Vehicle MPH(mph) (not between 0 and 64) occured 1 times, High was 145.04
5/4/2016	2:47 pm	*High*	1	(110) Engine Coolant Temp(F) (not between 40 and 230) occured 1 times, High was 155.3
5/4/2016	2:36 pm	*High*	1	(100) Engine Oil Pressure(psi) (not between 5 and 65) occured 1 times, High was 410
5/4/2016	2:36 pm	*High*	1	(84) Vehicle MPH(mph) (not between 0 and 64) occured 1 times, High was 145.04
5/4/2016	2:36 pm	*High*	1	(110) Engine Coolant Temp(F) (not between 40 and 230) occured 1 times, High was 155.3
5/4/2016	2:26 pm	*High*	1	(110) Engine Coolant Temp(F) (not between 40 and 230) occured 1 times, High was 410
5/4/2016	2:26 pm	*High*	1	(84) Vehicle MPH(mph) (not between 0 and 64) occured 1 times, High was 410
5/4/2016	2:26 pm	*High*	1	(100) Engine Oil Pressure(psi) (not between 5 and 65) occured 1 times, High was 155.3
5/4/2016	2:21 pm	*Low*	1	(110) Engine Coolant Temp(F) (not between 40 and 230) occured 1 times, High was 145.04

****end of section****

** END OF DOCUMENT **