



CyntrX – CyntrX ELD

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Sign Off

CyntrX			
Title	Name	Signature	Date
Partner Name			
Title	Name	Signature	Date

Change Log

This section includes the following pages with the modified section details:

Page	Modified Section
Page 12	Updated 2.1.3 Customizing the Carrier Information
Page 17	Updated 2.1.4 Driving Rules>Available US Exceptions Options
Page 29	Updated 3.2 Changing the Driver's Duty Status
Page 34	Updated 3.5 Data Transfer>Select Vehicle
Page 57	Updated 5.2.12 Edit a Log>Modify Log Event Using Grid View Editing
Page 73	Updated 5.4.4 Starting Your DVIR
Page 92 & 94	Updated 7.5.3 Manage Vehicles / Trailers – Add



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Change History

This section details what changes have been made in order to prompt a new version of this product specification:

Version	Date	Author(s)	Section Page No.	Change



Contents

1 Main Screen	8
1.1 Using the HOS Action Bar	
2 Customizing the CyntrX ELD App Preferences	9
2.1 Hours of Service Settings	
2.1.1 Set Hours of Service Preferences	
2.1.2 Capturing the Driver's Signature	
2.1.3 Customizing the Carrier Information	
2.1.4 Driving Rules	
2.2 Vehicle Data Settings	
2.3 Device Preferences	
3 Familiarizing the Hours of Service Main Screen Tiles	
3.1 Time Remaining Tile	
3.2 Changing the Driver's Duty Status	
3.3 Recap	
3.4 Start Break	
3.5 Data Transfer	
3.6 Options	
3.7 Logs	
3.8 DVIR	
3.9 Shift/Cycle	
4 Check Driver Availability	
5 Driver Logs	
5.1 Using the Driver Logs Bulk/ Multiple Selection Functions	
5.2 The Driver Logs Accordion Header Features	
5.2.1 Daily Driver's Log Entry Check-box (Uncertified Log)	
5.2.2 Daily Driver's Log Entry Check-box (Already Certified)	
5.2.3 Daily Driver's Title Log (Recertify Log)	
5.2.4 Recap	
5.2.5 Daily Drivers Log Grid	
5.2.6 Edit Daily Drivers Log Form	
5.2.7 Shipment Details	



5.2.8 Miles Driven by State	
5.2.9 DVIR	
5.2.10 Certify a Log	
5.2.11 Email a Log	
5.2.12 Edit a Log	
5.3 Malfunction and Data Diagnostic Events	
5.4 DVIR	
5.4.1 DVIR Feature – Main Navigation Menu	
5.4.2 DVIR Feature – Hours of Service Main Screen	
5.4.3 Selecting Your DVIR Type	
5.4.4 Starting Your DVIR	
5.4.5 Completing the First DVIR Area	73
5.4.6 Capturing an Image of a DVIR Item	74
5.4.7 Add a Comment or Remark to a DVIR Item	74
5.4.8 Finishing / Certifying Your DVIR	75
5.4.9 Submit or Certify the DVIR	
5.4.10 Deleting a DVIR	
5.4.11 Emailing a DVIR	
5.5 DVIR History	
5.5.1 Viewing DVIR History by Vehicle	
6 Roadside Inspection	
6.1 Roadside Inspection – Main Navigation Menu	
6.2 Roadside Inspection – CyntrX Main Menu	
6.3 Inspection Screen – Start Review	
6.4 Roadside Inspection Screen – Data Transfer	
7 Switch Equipment	
7.1 Switch Equipment – Main Navigation Menu	
7.2 Options Menu	
7.3 Switch Equipment – DVIR Screen	
7.4 Switching Equipment	
7.5 Managing Vehicles / Trailers	



7.5.1 Manage Vehicles / Trailers – Delete	89
7.5.2 Manage Vehicles / Trailers - Edit	90
7.5.3 Manage Vehicles / Trailers – Add	90
8 Documents	94
8.1 Documents – Main Navigation Menu	95
8.2 Documents – Options Menu	96
8.3 Adding Documents	97
8.4 Editing / Deleting a Document	
9 Add Fuel Receipts	
9.1 Main Navigation Menu	
9.2 Fuel Receipts Screen	100
9.3 Adding Fuel Receipts	100
9.4 Editing or Deleting a Fuel Receipts	102
10 Co-Drivers	103
10.1 Logon Co-Driver	103
10.2 Switch Driver	108
11 Shipping Documents	109
12 Add Remark	110
13 Exempt Driver	111
14 Logout	112
15 Unidentified Driving Events	113
16 Warning Features	114
17 List of Login Errors	116



1 Main Screen

The Hours of Service main screen is where you log your duty status events and which, in turn, determines your compliance with FMCSA Hours of Service Regulations. This screen also serves as your gateway to the rest of the app's features.

		🗭 D M 🖳 :
Vehicle disconnected		Connect X
	B John Doe Jr.	ROADSIDE INSPECTION
0-0	Truck102	OPTIONS
OffDuty *	None	
		LOGS
Time Remaining	RECAP	
00:00		DVIR
	START BREAK	SHIFT/CYCLE
	Warning: Location Service is currently di	

The main screen also provides essential information about the app's user:

- **Driver Name**: Displays the name of the driver who is logged in and whose logs are displayed
- Vehicle Name: Displays the driver's vehicle name
- Trailer Name: Display's the driver's

Note: Can tap Vehicle and Trailer name to display Switch Vehicle Dialog.

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1.1 Using the HOS Action Bar

The HOS Action Bar is the starting point for navigating to the different pages within the app and is always present in the app's topmost portion:

The action bar features the following navigational controls of the app:

 \equiv Hours of Service

Action Tool Name	Action Tool Icon	Description
Main navigation hamburger	=	Tap to open the main navigation menu of the application
Refresh Button	C	Tap to manually refresh the data in the app page. Hidden under submenu icon once all icons are present.
Logout Button	Ð	Tap to log out of the app, this will also set your status to Off Duty. Hidden under submenu icon once all icons are present.
Malfunction Button	М	Tap to see uncleared Malfunctions



Data Diagnostics Button	D	Tap to see uncleared Data Diagnostics. Turns
	_	into an accent color (based on the app's theme)
		if there are new events and turns white when
		already viewed.
VBUS Connectivity	<u>((-))</u>	Indicates that the device is connected to a VBUS
		device and turns to solution when disconnected.
		Hence, connection interruptions may occur
		which will turn into flashing icon 📟 while in a
		reconnecting state.
Pending Edit Request Button	Þ	Tap to display the pending edit request dialog, edit request is from Motor Carrier Edit
		Suggestions, correction of errors with Team
		Drivers, and Events logged under Unidentified
		Driver Profile.
Connect Button	Connect	Tap to display a dialog to Connect to Vehicle's VBUS Device. It has the same capabilities as the
		VBUS icon

2 Customizing the CyntrX ELD App Preferences

The app's settings and preferences can be customized in the Hours of Service Preferences screen.

To navigate to this part of the app, select the eigen icon or swipe the screen to the right to display the main navigation menu, select the **Settings** option and then select the **Hours of Service** option, this will display the Settings screen.



2.1 Hours of Service Settings

2.1.1 Set Hours of Service Preferences

This is where the basic driver, vehicle, carrier and shipping data is entered and stored within the app. The identification data stored here is then used by the app, web portal and in the driver's daily log report.

After logging in to the app for the first time

When the app is used for the first time, the driver is taken directly to the Main Dashboard after which a Select Equipment dialog box will be displayed requiring the driver to select a vehicle and trailer (if needed).

			₽ C (]
	Switch Equipment	R	DADSIDE INSPECTION
	Vehide Name: 375142 Trailer Name: Attached Trailers	+ ADD	OPTIONS
OffDuty + Time Remaining	AA2566 AA2568 AA2569 AA2564	× × × × ×	LOGS
00:00	AA2565 AA2574 MANAGE	CANCEL SWITCH	DVIR
	START BREAK		SHIFT/CYCLE

If you are logging in to the device you have logged in to before, the driver can login and logout successfully to the app when an internet connection is not available.





2.1.2 Capturing the Driver's Signature

The application can capture the signature of the driver which is then used for digitally certifying a log. To create the driver signature, select the main navigation hamburger

, select the *Settings* option and then select *Hours of Service*:

	Hours of Service				
GPS GPS Preferences	Driver Information				
Vehicle Data Settings Vehicle Bus Data Configuration	Driver	John	Doe	Sr.	
About	CDL # & Issuing State	35435757		ME	
Device Device Preferences	Email john.doesr@gmail.com				
	Change Password			aword	
	Signature Carrier Information	John	n t)6e 5	
	Carrier	XYZ Trucking Inc.			
	Carrier DOT No	123456789			
		926 Jail Drive			

The Driver Information section of the screen will be displayed along with any signature that has been created for the driver. Tap on the 610

icon to create or change the signature.



Create or update your signature in the app by using your finger to create your signature.



Tap the Done button to save your signature. You can also select the Clear button to clear the captured signature and start again.



2.1.3 Customizing the Carrier Information

The carrier information can also be set from within the Hours of Service section (*main navigation hamburger > Settings > Hours of Service*). You can scroll the screen down to the *Carrier Information* section:

Hours of Service				
Carrier Information				
Carrier	XYZ Trucking Inc.	÷		
Carrier DOT No	123456789			
	926 Jail Drive			
Main Office	Macomb	IL	61455	
Phone #	309-997-2116			
Home Terminal	926 Jail Drive			
	Macomb	IL	61455	
Driving Rules				
Country	USA		Ŧ	
Cycle USA	US 70hr8days		-	
Home Terminal Time Zone	Central (CST6CDT)		Ŧ	
tails for the followir	ıg:			
lame				
Carrier DOT Number				
	o drivor			
	Carrier Information Carrier Carrier DOT No Main Office Phone # Home Terminal Driving Rules Country Cycle USA Home Terminal Time Zone tails for the followir Jame DOT Number fice Address umber	Carrier Information Carrier XYZ Trucking Inc. Carrier DOT No 123456789 926 Jail Drive 926 Jail Drive Main Office 926 Jail Drive Phone # 309-997-2116 926 Jail Drive 926 Jail Drive Home Terminal 926 Jail Drive Driving Rules 926 Jail Drive Country USA Cycle USA US 70hr8days Home Terminal Time Zone Central (CST6CDT) tails for the following: Jame DOT Number Fice Address	Carrier Information Carrier DOT No Carrier DOT No 123456789 926 Jail Drive Main Office Macomb IL Phone # 309-997-2116 926 Jail Drive Macomb Home Terminal Optiving Rules Country USA Cycle USA US 70hr8days Home Terminal Time Zone Central (CST6CDT)	

Note: The driver is allowed to select a specific Carrier Information if 'Allow driver ability to change carrier in portal->settings->account setting under Portal Controls and 'Allow Carrier Change' in Drivers Management page are enabled.

2.1.4 Driving Rules

This is where you change the HOS rules or the Federal Motor Carrier Safety Administration's (FMCSA) regulations that govern the hours that a commercial vehicle driver can legally accumulate driving or being on duty for a motor carrier in a working day and week. This is also where you apply the HOS rules exceptions.



The driving rules can also be set from within the Hours of Service section (*main navigation hamburger > Settings > Hours of Service*). You can scroll the screen down to the *Driving Rules* section:

Hours of Service Set Hours of Service Preferences	Hours of Service		
GPS GPS Preferences	Driving Rules		
Vehicle Data Settings Vehicle Bus Data Configuration	Country	USA	
Privacy Privacy Policy	Cycle USA	US 70hr8days	
About	Home Terminal Time Zone	Central (CST6CDT)	
Device Device Preferences	Start Hour of Day	12 am	
	Cargo	Property	
	Switch to Intrastate rules when possible	(3	
	Use 34 Hour Restart		
	Use Canadian Off Duty Deferral		
	Add or remove exemption	Exceptions	
	Other		
	Lock Screen Style	Remaining to violation *	
	Use GridView Editing		
	Edit Increment	15 min +	
	PDF Report Email	recipient@domain.com	
		Separate email addresses by comma (,)	

Select the appropriate HOS rules that you would like the app to use from the drop down list. You can customize the region, cycle, cargo, exceptions and time zone rules

<u>Region</u>

This is where you can set the region. The options are USA and Canada. The cycle and exceptions displayed are dependent on which region has been set by the driver.

Note: If the region selected is Canada, then the condition "Canada Off-Duty Deferral" is enabled. This means that you are allowed to get an extra two hours of driving and on duty in a 24 hour period (day 1) and take the required extra two hours off on the following day (day 2). The Deferral status is shown on the Driver's Daily Logs

<u>Cycle</u>

This is where you can set the consecutive multi-day duty period which the driver will follow. Choosing a cycle will take into effect the corresponding legal limitations on the hours that can be used by the driver in a 7 day or 8 day working cycle.



Available cycle Rules Options

Interstate - Federal Rules

	Cycle	Shift Limit	Drive Limit	Until Break	Break Left
US60hr7days	7 days	14 hours	11 hours	8 hours	30 minutes
US70hr8days	8 days	14 hours	11 hours	8 hours	30 minutes
Alaska70hr7days	7 days	20 hours	15 hours	8 hours	30 minutes
Alaska80hr8days	8 days	20 hours	15 hours	8 hours	30 minutes
California80hr8days	8 days	16 hours	12 hours	N/A	N/A

Intrastate Cycle Rules

	Cycle	Shift Limit	Drive Limit	Break Limit
Alabama60hr7days	7 days	15 hours	10 hours	N/A
Alabama 70hr8days	8 days	15 hours	10 hours	N/A
Florida 70hr7days	7 days	16 hours	12 hours	N/A
Florida 80hr8days	8 days	16 hours	12 hours	N/A
Illinois 60hr7days	7 days	14 hours	11 hours	N/A
Illinois 70hr8days	8 days	14 hours	11 hours	N/A
Maryland 70hr7days	7 days	16 hours	12 hours	N/A
Maryland 80hr8days	8 days	16 hours	12 hours	N/A
Massachusetts 60hr7days	8 days	14 hours	11 hours	N/A
Massachusetts 70hr8days	8 days	14 hours	11 hours	N/A
Michigan 60hr7days	7 days	14 hours	11 hours	30 minutes
Michigan 70hr8days	7 days	14 hours	11 hours	30 minutes
New Hampshire 60hr7days	7 days	14 hours	11 hours	N/A
New Hampshire 70hr8days	8 days	14 hours	11 hours	N/A
New York 60hr7days	7 days	14 hours	11 hours	N/A
New York 70hr8days	8 days	14 hours	11 hours	N/A
North Carolina 70hr7days	7 days	16 hours	12 hours	N/A
North Carolina 80hr8days	8 days	16 hours	12 hours	N/A
Pennsylvania 60hr7days	7 days	14 hours	11 hours	N/A
Pennsylvania 70hr8days	8 days	14 hours	11 hours	N/A
South Carolina 70hr7days	7 days	16 hours	12 hours	N/A
South Carolina 80hr8days	8 days	16 hours	12 hours	N/A
Tennessee 60hr7days	7 days	14 hours	11 hours	N/A
Tennessee 70hr8days	8 days	14 hours	11 hours	N/A
Texas 70hr7days	7 days	15 hours	12 hours	N/A
Wisconsin 70hr7days	70 days	16 hours	12 hours	30 minutes



Wisconsin 80hr8days	80 days	16 hours	12 hours	30 minutes
Vermont 60hr8days	7 days	14 hours	11 hours	N/A
Vermont 70hrs8days	8 days	14 hours	11 hours	N/A
Virginia 70hr7days	7 days	16 hours	12 hours	N/A
Virginia 80hr8days	8 days	16 hours	12 hours	N/A

Canada Cycle Rules

	Cycle	Shift Limit	Drive Limit	Break Limit
Canada 70hr7days South	7 days	16 hours	13 hours	30 minutes
Canada 120hr14days South	7 days	16 hours	13 hours	30 minutes
Canada 80hr7days North	7 days	20 hours	15 hours	30 minutes
Canada 120hr14days North	7 days	20 hours	15 hours	30 minutes
Alberta Province		15 hours	13 hours	30 minutes

Hours of Service Set Hours of Service Preferences	Hours of Service		
GPS GPS Preferences	Driving Rules		
Vehicle Data Settings Vehicle Bus Data Configuration	Country	USA	
About	Cycle USA	US 70hr8days	
Device Device Preferences	Home Terminal Time Zone	Alaska 70hr7days	
	Start Hour of Day	Alaska 80hr8days	
	Cargo	Alabama 60hr7days	
	Switch to Intrastate rules when possible	Alabama 70hr8days	
	Use 34 Hour Restart Use Canadian Off Duty Deferral	California 80hr8days	
	Add or remove exemption	Florida 70hr7days	
	Other	Florida 80hr8days	
	Lock Screen Style	Illinois 60hr7days	
	Use GridView Editing	Illinois 70hr8days	
	e da ta anna ant	Maryland 70hr7days	

Any of the above cycle rules are depending on the region selected and can be applied given the appropriate rule from the region drop down list.

• Intrastate to Interstate driving rules

If the driver is operating in intrastate mode and is crossing over a state line then the app automatically switches to federal rules. A dialog will display confirming that the driving rules have changed right after crossing boundaries.



Example:

SouthCarolina80hr8days to US70hr8days

or

SouthCarolina70hr7days to US60hr7days



• Interstate to Intrastate driving rules

The driver must also follow the Federal HOS regulations for a short period of time while operating in interstate commerce. If the driver were using the 60-hour/7-day schedule, he must follow the Federal HOS regulations for the next 7 days having done operating in interstate commerce. If you were using the 70-hour/8-day schedule, you must follow the Federal hours-of-service regulations for the next 8 days after you finish operating in interstate commerce.

Note:

To perform intrastate check, enable the option available in the Settings > HOS Preferences (however this check is optional). The user has the ability to whether or not perform to the checking.



Also, it is important for the driver to monitor the cycle used for the past 7 or 8 days.

<u>Cargo</u>

This will set the applicable Hours of Service rules for property carrying or passenger carrying commercial vehicles.



Available Cargo Rules Options

- Property the 11 and 14 hours rule will apply
- Passenger the 10 and 15 hours rule will apply

	Hours of Service		
GPS GPS Preferences	Driving Rules		
Vehicle Data Settings Vehicle Bus Data Configuration	Country	USA	
Privacy Privacy Policy	Cycle USA	US 70hr8days	
About	Home Terminal Time Zone	Central (CST6CDT)	
Device Device Preferences	Start Hour of Day	12 am	
	Cargo	Property	
	Switch to Intrastate rules when possible	Passenger	
	Use 34 Hour Restart		
	Use Canadian Off Duty Deferral		
	Add or remove exemption	Exceptions	
	Other		
	Lock Screen Style	Remaining to violation *	
	Use GridView Editing		
	Edit Increment	15 min 👻	
	PDF Report Email	recipient@domain.com	
		Separate email addresses by comma (,)	

Either of the above cargo rules can be applied by selecting the appropriate rule from the drop down

Exceptions

The options that appear when tapping the *Exceptions* button will allow the driver to avail of exceptions from the Hours of Service rules for as long as certain conditions are met as stipulated the Hours of Service section of the Code of Federal Regulations (49 CFR Part 395.1-Hours of Service of Drivers-Scope of rules in this part) and other pertinent FMCSA regulations.

Available US Exceptions Options

- 2 Hour Driving Extension for Adverse Driving Conditions
- Relief from all driving rules for Emergency Conditions
- Oilfield Operations with 24 hour restart
- 30 Minute Break Exemption for Short-Haul Drivers
- 30 Minute OnDuty break for Asphalt drivers
- No Logs for Short-haul Drivers operating within 100 air miles or Non-CDL-Drivers operating within 150 air miles
- 24 Hour Restart for Construction, Groundwater well-drilling



• 16 Hour Driving Window

Note: '16 Hour Driving Window' exception can only be used once for the last 7 days or in every 70hr cycle, if the driver attempted to enable the exception an error dialog will display stating the following:

Error The "16 Hour Driving Window Once Per Week" exception already used in the current cycle.	n is
	ок

However, it is possible for the driver to add another '16 Hour Driving Window' exception when a cycle reset has occurred. Nevertheless, the driver will need to wait for the current cycle to end to be able to add the exception again.

- Utility Service Vehicle
- 30 Minute Break Exemption for Specialized Carriers & Rigging Association (SC&RA)
- Agricultural Operations
- Transport of Commercial Bees, Livestock
- Hi-rail 2 hour travel exclusion 395.1(w)
- Driver salesperson 395.1(c)
- Relief from Driving rules for State of Emergency 390.23



Select the appropriate exception from the list; you must then enter a reason for applying the exception in the Enter reason for exception(s) field. Once complete, select the **OK** option to apply the selected exception

Note: Exceptions are different depending on the Region selected.



Available Canada Exceptions Options

- 2 Hour Driving Extension Special Permit
- Oil Well Service permit
- CanEmergencyConditions
- 2 Hour Driving Extension for Adverse Driving Conditions
- No Logs for drivers operating within 160km of home terminal

disp Breferences 2 Hour Driving Extension Permit Vehicle Data Settings 62-2 Hour Driving Extension Permit About 62-2 Hour Driving Extension Permit Device Oil Well Service Permit 63-08 Well Service Permit 63-08 Well Service Permit 63-08 Well Service Conditions 76(12,3)-Adverse Conditions 76(2,3)-Adverse Conditions 101 Nolog for drivers operating within 160km of home terminal 81-Ne Logs Enter reason for exception(s)	About	62 - 2 Hour Driving Extension Permit				
Vehicle Data Settings 62-2 Hour Driving Extension Permit OilWell Service Permit 01Well Service Permit Solower Preferences Relef from All Driving Nules for Emergency Conditions 76(1-) - Emergency Conditions 01 2 Hour Driving Extension for Adverse Driving Conditions 01 76(2,3) - Adverse Conditions 01 81 - No logs for drivers operating within 160km of home terminal 01 - No logs Enter reason for exception(s) Enter reason for exception(s)	Vehicle Bus Data Configuration About Device	62 - 2 Hour Driving Extension Permit				
About Image: Control of the Service Permit Device Predef from All Driving Rules for Emergency Conditions Device Predimenses Image: Conditions 76(1) Emergency Conditions 76(2) - Chard Driving Rules for Emergency Conditions 76(2) - Chard Driving Rules for Emergency Conditions 76(2) - Chard Driving Rules for Emergency Conditions 76(2) - Adverse Driving Conditions 10 No logs for drivers operating within 160km of home terminal If 1 + No logs Enter reason for exception(s)	About					
Device Parket from All Driving Rules for Emergency Conditions Instantian Conditions 2 Hour Driving Extension for Advese Driving Conditions Instantian 2 Hour Driving Extension for Advese Driving Conditions Instantian 2 Hour Driving Extension for Advese Driving Conditions Instantian 76(12) - Adverse Conditions Instantian 1 No logs for drives operating within 160km of home terminal 61 - Not Logs Enter reason for exception(s) Enter reason for exception(s)		53 - Oil Well Service Permit				
Z Hour Driving Extension for Adverse Driving Conditions 76(2.3) - Adverse Conditions No logs for drivers operating within 160km of home terminal 81 - No Logs Enter reason for exception(s)	Device Preferences		Conditions			
87 - NoLogs Enter reason for exception(s)		2 Hour Driving Extension for Adverse Driving	Conditions		lions	
			of home terminal			
		Enter reason for exception(s)				
			CANCEL	OK		

Available Alberta Province Exceptions Options

- CanEmergencyConditions
- 2 Hour Driving Extension for Adverse Driving Conditions





<u>Time Zone</u>

Hours of Service Set Hours of Service Preferences	Hours of Service		
GPS GPS Preferences	Driving Rules		
Vehicle Data Settings Vehicle Bus Data Configuration	Country	USA	-
About	Cycle USA	US 70hr8days	*
Device Device Preferences	Home Terminal Time Zone	Hawaii	
Device Preferences	Start Hour of Day	America/Anchorage	
	Cargo	Pacific (PST8PDT)	
	Switch to Intrastate rules when possible	Mountain (MST7MDT)	
	Use 34 Hour Restart	Saskatchewan	
	Use Canadian Off Duty Deferral	Central (CST6CDT)	
	Add or remove exemption	Eastern (EST5EDT)	
	Other	Atlantic	
	Lock Screen Style	Canada/Newfoundland	
	Use GridView Editing		
	The formation	Asia/Manila	

Select the driver's Home Terminal time zone. Time zones available are:
Hawaii
America/Anchorage
Pacific Time (PST8PDT)
Mountain Time (MST7MDT)
Saskatchewan
Central Time (CST6CDT)
Eastern Time (EST5EDT)
Atlantic
Canada/Newfoundland
Asia/Manila

PDF Report Email Recipients

You can set the default recipients of your Driver Daily Log PDF report in the part of the Settings Menu.

Hours of Service Set Hours of Service Preferences	Hours of Service		
GPS GPS Preferences	Start Hour of Day	12 am	*
Vehicle Data Settings Vehicle Bus Data Configuration	Cargo	Property	*
About	Switch to Intrastate rules when possible	•	
Device Device Preferences	Use 34 Hour Restart	•	
	Use Canadian Off Duty Deferral		
	Add or remove exemption	Exceptions	
	Other		
	Lock Screen Style	Remaining to violation 👻	
	Use GridView Editing		
	Edit Increment	15 min 👻	
	Display Street Address		
	Email Sender	SERVER -	
	PDF Report Email	backoffice@gmail.com	

Enter the email address or addresses that will become a recipient or recipients of the Hours of Service app's Daily Driver Log PDF report.

The email addresses must be separated by a comma (,)



Lock Screen Style

The user has the ability to control the lock screen display. There are two (2) types available: new 'Remaining to violation' lock screen or the old '4 clocks' lock screen.

	Hours of Service	
GPS GPS Preferences	Start Hour of Day	12 am
Vehicle Data Settings Vehicle Bus Data Configuration About	Cargo	Property
About	Switch to Intrastate rules when possible	
Device Device Preferences	Use 34 Hour Restart	•
	Use Canadian Off Duty Deferral	
	Add or remove exemption	Exceptions
	Other	
	Lock Screen Style	Remaining to violation
	Use GridView Editing	4 Clocks
	Edit Increment	1011IIII +
	Display Street Address	
	Email Sender	SERVER -
	PDF Report Email	backoffice@gmail.com

Use Grid View Editing

The user has the ability to use grid view editing. Once enabled, user can also set the edit increment time. (See Section 5.2.11 Editing a Log)

	Hours of Service	
GPS GPS Preferences /ehicle Data Settings	Start Hour of Day	12 am -
/ehicle Bus Data Configuration	Cargo	Property -
About	Switch to Intrastate rules when possible	
Device Device Preferences	Use 34 Hour Restart	
Jevice Preferences	Use Canadian Off Duty Deferral	
	Add or remove exemption	Exceptions
	Other	
	Lock Screen Style	Remaining to violation 👻
	Use GridView Editing	
	Edit Increment Display Street Address	1 min
	Email Sender	5 min 🚽
	PDF Report Email	15 min æ@gmail.com



Display Street Address

Display Street address option will allow drivers to select where to get the location if it is the actual location or the nearest City with 5,000 population when in AOBRD mode. The option will only display for drivers that have permission which is set by the personnel in the portal->Account Settings->Carrier Information tab->'Display Street Address for AOBRD mode'.

	Hours of Service		
GPS GPS Preferences	Start Hour of Day	12 am	-
Vehicle Data Settings Vehicle Bus Data Configuration About	Cargo	Property	
	Switch to Intrastate rules when possible		
Device Device Preferences	Use 34 Hour Restart	•	
Jenne Frielendes	Use Canadian Off Duty Deferral		
	Add or remove exemption	Exceptions	
	Other	\	
	Lock Screen Style	Remaining to violation 👻	
	Use GridView Editing	•	
	Edit Increment	15 min 👻	
	Display Street Address		
	Email Sender	SERVER *	
	PDF Report Email	backoffice@gmail.com	

<u>Email Sender</u>

Email Sender option allows the driver to specify email sender when drivers' need to send certified log PDF and DVIR report PDF. There are (2) two email sender options: via App or Server.





2.2 Vehicle Data Settings AOBRD Speed Threshold

For vehicle in AOBRD mode, speed threshold setting is dependent on what is set on the portal->account settings->AOBRD Speed Threshold. The default value is 100 Mph/Kph. (For example: When the set AOBRD Speed Threshold is 100 Mph/Kph, lock screen will be shown and the app will be in driving state once the vehicle speed threshold reached to 100 mi/hour)

Hours of Service Set Hours of Service Preferences	Vehicle Data Settings	
GPS GPS Preferences Vehicle Data Settings	AOBRD Speed Threshold Vehicle considered moving when traveling over 100 mi/hour	
Vehicle Bus Data Configuration About	Set VBUS Update Interval Update VBUS data every 5 minutes	
Device Device Preferences	Debug VBUS Service Launch activity to show current VBUS data	
	Review VBUS Device Connectivity Launch Activity to Review VBUS Device Connectivity	

Hours of Service	Veh	icle Movement Speed		
Set Hours of Service Preferences SPS	0	2		
SPS Preferences	0	3		
/ehicle Data Settings /ehicle Bus Data Configuration	0	4		
About	0	5		
Device Device Preferences	0	10		
	0	20		
	0	25		
	0	50		
	0	75		
	0	100		
	0	160		
			CANCEL	

Also, drivers have the ability to set speed threshold on the app->Vehicle Data Settings->AOBRD Speed Threshold only if the driver is allowed. To allow a specific driver, enable the option which can be seen in portal->Drivers Management Page->Set AOBRD Speed Threshold option.



2.3 Device Preferences

<u>Unit of Distance</u>

Setting the default unit of measures

Unit	t of Distance	
۲	mi	
0	km	
		CANCEL

Disable Notification Sound

The application has a Mute button to silence all sounds that could come from the application. Also, the ELD rules state that all application sounds should be muted during Sleeper status. However, the mobile device should not be muted so that sound will be available for phone calls.

Disable Notification Sound Mutes all notifications sound	
Mutes all notifications sound	

Note: When the current status is Sleeper Berth, it automatically mutes the application sound. <u>Color Theme</u>

Displays option for selecting Color Theme





\equiv Hours of Service	C f
\equiv Hours of Service	C (]
\equiv Hours of Service	C f
\equiv Hours of Service	G (]
	C f
\equiv Hours of Service	C (]
\equiv Hours of Service	C f

Night Theme

By default, the application automatically changes to a night theme based on the sunset time calculated from the device's location. If location is not available, the local time of the device is used.





Language Support

The application supports language translation for French-Canadian (Francais (Canada)) and Spanish (Español (Estados Unidos)).

To enable the translation, go to the **Android Device Settings** > **Language and Input** > **Language**. Select between the supported language and the translation will take effect immediately.

grudes@test.com Mot de passe Montrer le mot de passe BIDENTIFIER Mot de passe oublié?				
≡ Horas de Servicio		М	₽ C (]	
Vehículo desconectado	о С		Conectar X	
	Gru Des III	INSPECCI CARRET		
	Truck 91	OPCIO	NES	
Driving *	None	REGIST	ROS	
Tiempo restar 07:42	RESUMEN	DVI		
Duty Time In Sh	ift - Opciones			М ⊈ С +]
Adverte	encia: el ser Vehículo desconectado			Conectar X
	EQUIPO DE INTERRUPTOR	DOCUMENTOS DE ENVÍO	OBSERVACIÓN	CONDUCTOR DE INICIO DE SESIÓN
	GANA TIEMPO	EXCEPCIÓN	TRANSFERENCIA DE DATOS	CO-CONDUCTOR DEL INTERRUPTOR
		PANTALLA HOS		MENTO





3 Familiarizing the Hours of Service Main Screen Tiles

3.1 Time Remaining Tile

When the time remaining tile displays a grey color, it indicates that the driver is Off Duty, Sleeper or Waiting at Well Site; when the tile displays a green color, it indicates that the driver's status is Driving or On Duty; when the tile displays an amber color, it indicates that the driver's status is Driving or On Duty and has less than 3 hours left; when the tile displays a red color, it indicates that the driver's status is Driving or On Duty and has less than 1 hour left or has already ran out of time.







Tap the time remaining panel to view the Time Remaining Clocks.

3.2 Changing the Driver's Duty Status

To change the duty status of the driver, tap the Duty Status button and select the appropriate driver duty status.

Available Duty Status Options

Duty Status Icon	Duty Status	Duty Status Icon	Duty Status
Off Duty -	Off Duty	OnDuty ND -	On Duty
Sieeper -	Sleeper Berth	WELL SITE -	Waiting at Site
Driving -	Driving		,



	Chang	e Status	D 🛱 C 🕣				
	OffDuty	Sleeper					
	Driving	OnDuty ND	← View Log	Create Event for Fri Mar 02		D里	
-0-0	Well Site	Personal Use	Start Time: 12AM	Start: <-15 Fri 04:57 PM +15>			US70hr8days
OnDuty ND	Location: 20mi ENE Be	andeteum II	0FF	Duration: 0 minutes		8 9	10 11 M 12:19
	Location. Zomi ENE B	ardstown, IL		Status: OffDuty -			00:29
Time Remaini	Note: Add Note		ON	Location: 20mi ENE Beardstown, IL			
	Odometer: 0	mi	Violation: none				16:57
02.51	Reason: No reason s	elected	Co-Drivers: none	Note: Add Note			
03:51 On Duty Time Until			Status Star	Reason: No reason selected		+ EXCEPT	
	Cancel	Save	SI 1 OffDuty 12:00 /	Odometer: 0 mi			EDIT
			2 Remark 12:14 F	Personal Use			EDIT
			3 ELD Login 12:15 F	PN CANCEL	ок		NOTE
			4 ELD Logout 12:18 F				NOTE

Tapping the duty status button will show the *Change Status* pop up dialog. You can adjust the duration of the duty status event by tapping the Previous 15 minutes Time Interval button to increase the time duration and the Next 15 minutes Time Interval button to decrease the time duration. However, these buttons are disabled prevent time from going before or after the current day. (eg. 12:00AM – 11:59PM).

- If Personal Use is enabled, the status will be set to Off Duty automatically and will disable the other checkboxes. Selection of this option will be recorded within the events history.
- If Personal Use is enabled, events except Off Duty will not be displayed in the grid but is displayed in the event history list. Off duty will always be the display in the grid and when the driver makes an automatic event, lock screen will also be shown.
- If Yard Moves is enabled, the status will be set to On Duty automatically and will disable the other checkboxes. Selection of this option will be recorded within the events history.
- If Yard Moves is enabled, events except On Duty will not be displayed in the grid but is displayed in the event history list. Off duty will always be the display in the grid and when the driver makes an automatic event, lock screen will also be shown.

Note: All options are enabled in all events.

Note: Attempt to create a new event such as Off Duty, On Duty, Sleeper Berth in the middle of an automatically Driving event is not allowed, instead an error dialog is displayed stating "Error: shortening of prior driving event is not allowed. Select a time before or after the driving event."



When the app is able to obtain a valid GPS fix, the *Location* field will be automatically populated with the current location information of the user. If there is no GPS fix, the *Location* field will remain blank, in this instance; you must manually input the relevant details.

Once all relevant details have been entered and the correct duty status selected, tap the **OK** button to save the new duty status event. You can also select the **Cancel** button to cancel adding the selected duty status.

Changing the status to On Duty or Driving also enables the options for '**Personal Use**' and 'Off Road'. Personal Use is mentioned in the FMCSA's Supplemental Proposal, which was published on March 28, 2014, that mandates ELDs for most drivers of CMVs that currently log. The proposal says that ELDs may be set up to allow drivers to put themselves in a special driving category called "personal use." When a driver selects this option, the ELD will record the time as off duty until the driver de-selects the option. **Off Road**, on the other hand, means that the vehicle is running on rough terrain. Lastly, **Yard Moves**, has been established under a mandate which allows a driver or another personnel to perform duties like moving trucks around the home yard by establishing a single set of thresholds for all ELDs in an On Duty, not Driving status without triggering the device by reaching the thresholds.

■ D M X				¥ 💙 🛜 93% 🛚 2:24 P
Hours of Service	Recap			
_	Day	Date	Hours worked	
	Tue	Jan 10	00:00	ADSIDE INSPECTION
-	Wed	Jan 11	00:00	
0-0	Thu	Jan 12	00:00	OPTIONS
Driving 🔹	Fri	Jan 13	00:00	
Driving	Sat	Jan 14	00:00	
	Sun	Jan 15	00:00	LOGS
Time Remaining	Mon	Jan 16	01:15	
	Tue	Jan 17	06:21	DVIR
07:32	Total hou	rs last 8 days	07:36	DVIII
Duty Time In Shift	Hours av	ailable today	60:34	
			ок	SHIFT/CYCLE

3.3 Recap

Tap the Recap button to bring up the recap information for the specified duty day and corresponding cycle data.



3.4 Start Break

The *Start Break* button will be disabled when the duty status is *Off Duty, Sleeper Berth* or *Waiting at Well Site*.

The *Start Break* button will be enabled when the duty status is *On Duty* or *Driving*. Once you tap the *Start Break* button, a pop up dialog will be displayed asking you to confirm that you wish to start your break.

- If the 'Start Break' button is pressed, then:
 - o It sets the status to OffDuty
 - The 'Start Break' button turns to 'End Break'
 - The Time remaining button turns to On Break and the second line shows "time remaining 00:00"
- If the 'End Break' button is pressed, then:
 - It sets the status to 'On Duty' (if the vehicle is not moving) or 'Driving' (if the vehicle is moving)



Note: An audible alert activated when 30 minute break is over.





3.5 Data Transfer

Selecting the **Data Transfer** button from the **Options Screen** will display the list of supported data transfer options.

The ELD provides a standardized single-step compilation for the driver's ELD records and initiation of the data transfer to authorized safety officials when requested during a roadside inspection.

← Options			₽ D M ₽ :
SWITCH EQUIPMENT	SHIPPING DOCS	REMARK	LOGON CO-DRIVER
GAIN TIME	EXCEPTION	DATA TRANSFER	SWITCH CO- DRIVER
RETURN TO	HOS SCREEN	DOCU	IMENT

Tap the **Data Transfer** button to transfer data of the compilation of the driver's ELD records. Once tapped, a selection of the supported data transfer options by the ELD will prompt to the user. For iOS app, the available data transfer services are thru Bluetooth, Email and Web Services only.

Data Transfer via	Data Transfer via
Select Vehicle: Truck1	Select Vehicle: All Vehicles ~
🛞 Bluetooth	🛜 Bluetooth
USB USB	Email
M Email	
Res Web Service	Web Service
CANCEL	CANCEL
Android app Data Transfer options	iOS app Data Transfer options

• **Select Vehicle** - this option enables the ELD to produce a data file or a series of data files of ELD records for a subset of its vehicles used by the driver.



Tap the *Select Vehicle* menu to show the list of vehicles used by the driver.

The 'All Vehicles' option will only display on the list when the driver has already driven multiple vehicles for the day.

For **Android app**, list of vehicle/s are displayed in drop down list which allows to select a specific vehicle or 'All Vehicles' in Data Transfer.

Select Vehicle: Bluetooth	All Vehicles Truck3 Truck2	
USB	Truck1	
M Email		
💦 Web Servic	e	
Web Servic	e	c

For **iOS app**, list of vehicle/s are displayed in checkboxes. The app allows to select specific vehicle(s) to be included in ELD output file. The list of vehicles displayed are the vehicles that the driver used within the current cycle.

Select or deselect a vehicle by tapping the checkbox button. Tap OK button to save selection.

Select Vehicle:	
All Vehicles	
Truck900	
Truck600	
Truck400	
	ОК

• **Transfer via Bluetooth Tethering** - this option enables the user to transfer files through Bluetooth tethering. The ELD prompts for an output file comment which the driver may enter (optional). After the input, if Bluetooth is not yet turned on, a prompt will appear asking you to turn it on.

Output File Comment Comment here	Application is requesting permission to turn on Bluetoot Allow?
Chars left:60	
CANCEL OK	NO YI



You will then be asked to pick the device to which the ELD output file will be transmitted via Bluetooth tethering.

← Roadside Inspection	<u>₽</u> C {	
Vehicle disconnected	Connect	
Review logs for the current 24-hour navied and Data Transfer via Paired Bluetooth Devices AX7_BT40 BCDIS20448 #2514 Dis78448 #2514 BCDII 0010451 30041 SCM		
Vehicle disconnected	Connect X	
Review logs	for the current 24-hour noriod and the newious 14 consecutive days Data Transfer via Paired Bluetooth Devices AX7_BT40 Connecting to bluetooth device Conne	
	Coadside Inspection Vehicle disconnected	Connect X
	Review logs for the current 24-hour period and the previous 14 consecutive days Tap Start Review button and give your device to the DDT Officer Start Review	Connect
	Data Transfer Transfer data of the completion of the driver's BLD records Data Transfer	
	ELD Output File Transferred	

After the data transfer process is successful, a toast message will then display at the bottom stating that the 'ELD Output File Transferred'.



• **Transfer via USB (Android Only)** - this option enables the user to transfer files through USB (external devices).

After selecting a data transfer option, the ELD prompts for an output file comment which the driver may enter (optional). The ELD accommodates the entry of an output file comment up to 60 characters long.

 Chars	left:60
 Chars	left:60

Prior to saving the driver's ELD file to an external storage/device, the ELD must read a verification text file from the USB device provided by the Authorized Safety Officials. This can be done by selecting the path where the verification file is located on the Safety Official's USB device.

Select verification file		
/storage		
↑		
UsbDriveA		Select ELDUSBTX.TXT file?
		Select ELDUSBTX.TXT file?
sdcard0		
emulated		
	CANCEL	

If the verification process is successful, a 'Verification Successful' dialog will display.





Page 35

YES

NO

Once 'OK' button is tapped, then the driver can now select on where to save the ELD file.



Upon confirmation, the ELD generates the compliant output file and performs the data transfer. A toast message will display at the bottom stating that the 'ELD Output File Transferred'.

Note: You cannot transfer a file via USB when the verification file on the device is not the same as the verification file on the inspector's USB drive. If this issue occurs a toast message will display stating 'Invalid verification file'.

• **Transfer via Email** - this option enables the user to transfer files through email. The ELD output file transferred is encrypted using AES-256 in FIPS Publication 197. Before sending, the ELD prompts for an output file comment which the driver may enter (optional).

Output File Comment Email Comment	
	Chars left:47

After the data transfer process is successful, a toast message will then display at the bottom stating that the 'ELD Output File Transferred'.

Note: Data transfer via email is sent to <u>fmcsaeldsub@dot.gov</u>.


• **Transfer via Web Service** - this option enables the user to submit ELD output files, and verify that the ELD's certificate, ELD Identifier, and Registration ID are still valid.

← Roadside Inspection		9 C 4				
Vehicle disconnected		Connect X				
Review logs for the current 24-hour nariod a Data Transfer via Select Vehicle: All Vehicles Rivetooth , Transferring data corput						
Service				<u>¥</u>	с	Ð
	Vehicle disconnected			Conne	ct	X
	Review logs for	Tap "Start Review" butto	r period and the previous 14 consecutive days nand give your device to the DOTOMicer Start Review			
		Transfer data of the c	ata Transfer emplation of the driver's ELD records bata Transfer			
		ELD O	nput File Transferred			

After the data transfer process is successful, a toast message will then display at the bottom stating that the 'ELD Output File Transferred'. When the selected vehicle has an invalid information then a dialog will display with an error message.





3.6 Options

Selecting the *Options* button from the *HOS Main Screen* will display the *Options* module:

□ □ D M X ← Options			* ¥ के 94%∎2:12 PM ₽ D M ⊻ ः		
SWITCH EQUIPMENT	SHIPPING DOCS	REMARK	LOGON CO-DRIVER		
GAIN TIME	EXCEPTION	DATA TRANSFER	SWITCH CO- DRIVER		
RETURN TO	HOS SCREEN	DOCU	MENT		

The functions within the Options module will be covered in more detail throughout this document.

3.7 Logs

Selecting the *Logs* button from the *HOS Main Screen* will display the current days log and provide the ability to navigate backwards to view the previous seven logs:

ж								ଢା	🕈 34%	3:0	5 PM
Hours of Serv							P	D	М	¥	
V 0 Logs Selecte	5 d Reset									Ema	
Violation: 14	28 16								S Recap		😧 ertify
Start Time: 12AM M 1 2 OFF SB D U U U D U D D D D D D D D D D D D D	3 4 5 6 ++++++++++++++++++++++++++++++++++++		chart to N 1 136 136 22 Miles	2	3 4 5 1 1 1 1 1 1 1 1 1 1 25 1 1 1 1 1 1 1 1 1 1 1 25	6 7	8	9 1		00	tal :15 :00 :26 :23 :05
Driver Lhe Soo Odometer 25 483 Begin End Carrier None Shipping Docs None	458 mi Distance	Vehicle Name Lhe Carrier DOT No None Shipper and Co None	lame			,	√o DVIR				

Scroll the screen to view all of the information, or, tap the log grid to view the log events.



Page 38

3.8 DVIR

Selecting the **DVIR** button from the **HOS Main Screen** will display the Select DVIR screen:



- DVIR can be created to suit the vehicle types, all DVIRs will be displayed on this screen.
- DVIR History can be viewed by tapping the DVIR History button in the DVIR screen.

Note:

- When switching the vehicles, the equipment's will be displayed along with their associated forms. Changing the forms used will pop up a message dialog stating "Are you sure you want to use a different form?" with a 'Cancel' or 'Ok' button.
- Highlighted text only displays when conducting an inspection for the first time and that no DVIR forms are associated to the current equipment used.

3.9 Shift/Cycle

Selecting the Shift/Cycle button from the HOS Main Screen will display the total work hours of the driver's current work shift and the total working hours that the driver can legally accumulate over a certain cycle or a consecutive multi-day period:





4 Check Driver Availability



From the *Hours of Service Main Screen*, tap the *Options* button and then tap the *Gain Time* button, this will then display a date & time of when the driver will gain his/her maximum hours.

5 Driver Logs

The **Driver Logs** allows you to view and update the electronic recording of your duty status events in the HOS app's online driver logs. This is where you also store shipment data, send the certified logs to its intended recipients and manage other driving duty information.



Hours of Service		戶 D 🖳 C	; (]
V 0 5 Logs Selected Reset			🗹 Email
Thursday Nov 03 Violation: none		S Recap	Certify
 Start Time: 12AM	Tap log chart to v)hr8days
0FF	5 7 8 9 10 11 N 1	2 3 4 5 6 7 8 9 10 11 M	Total 10:19
SB			00:00
 D			00:33
ON			00:00
1	15729 30 31		10:52
Driver Log	🖍 😚 🛱 Edit Shipments Miles	DVIR	Q Inspect
Driver Lhe Soo			
 Odometer	Vehicle Name Trailer Name		
102 326 224 mi Begin End Distance	Lhe None	No DVIR	
Carrier None	Carrier DOT No. None		
Shipping Docs None	Shipper and Commodity None		

Scroll the screen to view all of the information, or, tap the log grid to view the log events. The daily log for the current day will be in expanded view by default. The daily driver logs for the previous days will be in collapsed view.

To expand or collapse a daily log, tap the Collapsible Menu Header

Cycles and the *Start Hour* time used are also shown in the Log, it is found on the upper right corner just above the *Grid Chart.*

5.1 Using the Driver Logs Bulk/ Multiple Selection Functions

The first part of the Driver Logs user interface feature controls and information for the bulk/multiple selection features. These controls will allow you to perform features for multiple selected driver logs.

Function icon	Function	Description				
Selection Button		Tap the button to select all certified logs				
0 Selected	Selected Logs Counter	This shows the number of selected certified driver logs				



5	Reset Button	This clears/deselects all of the selected
Reset		driver logs

5.2 The Driver Logs Accordion Header Features

To expand or collapse a daily log, tap the Driver Logs Accordion/Collapsible Menu Header:



Note: Driver Logs title shows the full time range when the **Start Hour** time is not zero. You can change the time by going to Settings > HOS Preferences

5.2.1 Daily Driver's Log Entry Check-box (Uncertified Log)

Tap the check-box to certify the selected daily log:

Friday Oct 21 Violation: none	• Recap	Certify

5.2.2 Daily Driver's Log Entry Check-box (Already Certified)

Tap the check-box to uncertify the selected daily log:

Friday Nov 18 Violation: none	(S) Recap) Edi	it
5.2.3 Daily Driver's Title Log (Recertify Log)			
Wednesday Oct 19 (Recertify) Violation: 30 14 11		➢ rtify	

When a certified log has been edited in the portal, it prompts the driver to either accept or reject the proposed changes through the "Edit Suggestions" dialog. Once the driver accepts an edit request, it will display a note on the daily driver's title log stating "*Recertify*", which indicates the log needs to be certified again in order to include the records changes.

5.2.4 Recap

Tap the Recap button to bring up the recap information and corresponding cycle data for the specified duty day



			🖻 D 🖳 C 🕣
U O O Logs Selected Reset			
Wednesday Nov 23 Violation: none			
Uiolation: none			🕥 🖄 Recap Certify
Monday Nov 21 Violation: none	RECAP - Complete at End of Workday		🗐 😰 Recap Certify
Uiolation: 13 14 16 13 14 10	On Duty and Driving hours for today. 70 hours/7 Day Drivers	23:59	
Saturday Nov 19 Violation: none	A. Total Hours on Duty last 6 Days, including today. B. Total Hours available tomorrow.	34:17	🕥 📓 Recap Certify
Friday Nov 18 Violation: none	 B. Total Hours available tomorrow. *If you took 34 consecutive hours off-duty, you have 60, 		
Thursday Nov 17 Violation: none		QK	
Wednesday Nov 16 Violation: none		UK .	
Tuesday Nov 15 Violation: none			🕤 🖄 Recap Certify
Monday Nov 14 Violation: none			🕤 🙆 Recap Certify
Sunday Nov 13 Violation: none			🕥 😰 Recap Certify
- Saturday Nov 12			9 🕅

Tapping the *Recap* button will display a complete recap for the end of the workday including:

- On Duty & Driving Hours, - Total hours on duty last 7 days (including current day), - Total hours available tomorrow, - Total hours On Duty last 8 days (including current day)



5.2.5 Daily Drivers Log Grid



Tap the driver's log grid to view the log events and edit the log. Scroll up/down the screen to view the Daily Driver's Form; this is where you can view the other required information that must appear in the driver's daily log. In addition, not all of the events statuses are displayed on the grid chart. Personal Use and Yard Moves are also displayed on the grid chart as an Amber color line to be visually different with the other event statuses, a *dashed line* represents the Personal Use event and a *dotted line* represents the Yard Moves event. The legends for Personal Use and Yard Moves event will only display when the said events occurred.



Driver Log	1	Ŷ	
Differ Log	Edit	Shipments	Miles

5.2.6 Edit Daily Drivers Log Form

		Connect X
Under Contract of	Driver Log Form DRIVER INFORMATION Driver Name John Doe Jr.	Email T Recap Certify
Start Time: 12AM	VEHICLE INFORMATION Vehicle Name EQUI 101 Trailer Name EQUI 104 SWITCH EQUIPMENT	US70hr8days 8 9 10 11 M Total 10:08 111111111111111111111111111111111
	Carrier Alexandria Inc. Carrier DOT No. 19086 SHIPPING DOCS INFORMATION	00:13
Driver Log Driver John Doe Jr.	B/L or Manifest No.	Q Inspect
Odometer 124 186 Begin End Carrier Alexandria Inc.	CANCEL SAVE 02 mi EQUITUT EQUITU4 Datance Carrier DOT No. 19086	No DVIR
Objection Dates		

Tap the *Edit* button to open the *Driver Log Form*, from here. You can update the other required information that must appear in the driver's daily log (as listed below)

The following information can be viewed / amended within the *Daily Drivers Log Grid*:

Driver Information

- a) *Driver Name* displays the name of the driver
- b) Vehicle Information
 - Vehicle Name displays the name of the current Vehicle of the driver.
 - Trailer Name displays the name of the current Trailer of the driver.
 - SWITCH EQUIPMENT tap this button to launch the Switch Equipment dialog to select another Vehicle or Trailer names.
 - Carrier a non-editable field which displays the Name of the Carrier.
 - Carrier DOT Number a non-editable field which displays the Carrier DOT Number

c) Shipping Information



- Shipping docs displays the bill of lading or manifest number entered by the driver
- Shipper & Commodity displays the shipper name and the type of commodity which the shipment contains

5.2.7 Shipment Details



Tap the *Shipments* button to open the *Shipment Details Form*; you can fill in the shipment data that is to be included in the driver's daily log.

Note: The data that can be included in this form is listed on the next page.

Data that can be included within the *Shipment Details Form* includes:

Shipments on Truck

- Order Number the order number of the specific shipment item
- Weight the weight of the shipments
- From the point of origin of the commercial motor vehicle
- To the destination of the commercial motor vehicle

Shipments Unloaded Today

- Order Number the order number of the specific shipment item
- Collected or Billed the preferred payment method
- Amount Collected the amount collected for the shipment
- Mailed Papers From the name of the shipment company where the shipping related documents are from



5.2.8 Miles Driven by State

=	Hours of Service						D	Μ	₽	G f
	V 0 5 Logs Selected Reset									
	Violation: 30 30									
	Start Time: 12AM	IILES DRI	VEN TOD	DAY BY	STATES					S70hr8days
	M 1 2 3 4 5 OFF	STATE	LOADED	EMPTY	ROUTED NO.	FUEL TICKETS	6 7 8 11:49	9 1	0 11	M Total
			0	0				пп	пп	TT I
	SB THE		0	0						01:15
			0	0			սիրիլի			10:35
	ON		0	0						00:18
	1 2		0	0						24:00
	Driver Log		0	0						٩
		TOTAL:	0	0						Inspect
	Driver Lhe Soo				CANCEL	ок				
	Odometer	Vehicle Na		ler Name)					
	1200 1300 100 mi Begin End Distance	Lhe	Noi	ne						
	Carrier	Carrier DO	T No.				No DVI			
	None	None								
	Shipping Docs None	Shipper ar None	id Commo	dity						

Tap the *Miles* button to open the *Miles Driven Today by States* dialog. This is where you can fill in the shipment data that is required to be included in the driver's daily log. Required data includes:

Code State Loaded Empty Routed Number Fuel Purchased Tickets Attached



5.2.9 DVIR

Hours of Service				D	🎽 C	; •D
					Connect	X
V 0 5 Logs Selected Reset						
Friday Dec 29 Violation: none					S Recap	Certify
Start Time: 12AM	Tap log chart to 6 7 8 9 10 11 N 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	view 1 2 3 	4 5 6 7 8	9 1 		S70hr8day: M 01:22 06:46 02:46 00:02 10:56
Driver Log	Edit Shipments Miles	DVIR				Q Inspect
Driver David Jackson Sr. Odometer	Vehicle Name Trailer Name	Pre-trip Post-trip	08:24:07 AM 08:24:42 AM	Certified	55	:
1082 1280 198 mi Begin End Distance Carrier Track Corp. Shipping Docs Shipping Docs	Truck500 None Carrier DOT No None Shipper and Commodity			Emi		
None Thursday Dec 28 Violation: none	None				S Recap	Certify
Wednesday Dec 27 Violation: none					Recap	Certify





5.2.10 Certify a Log

Tap the *Certify* button to certify the selected daily log. If the current status is *Driving*, a pop up dialog will open and you will be asked to confirm changing the status to Off Duty:





≡						÷
Vehic					Connect	
9	O O Logs Selected Reset Odometer O O mi Begin End Distance Carrier None Shipping Docs	Vehicle Name Trailer Name AAN 2563 None Carrier DOT No. None		No DVIR		
IJ	None Thursday Jun 22 Violation: none Wednesday Jun 21 Violation: none	Uncertify Daily Log Log already certified. Uncertify to continue CANCEL	UNCERTIFY NOW!		KO Recap KO Recap	Certify Cetify Edit
	Tuesday Jun 20 Violation: none					Certify
	Monday Jun 19 Violation: none					Certify
	Sunday Jun 18 Violation: none					Certify
	Saturday Jun 17 Violation: none					Certify
	Friday Jun 16 Violation: none					Certify

Tap the **OK** button if you wish to email the certified log to a selected recipient.

Select the *Cancel* button to close the pop up dialog without emailing the certified log.

\equiv Hours of Service			₽ D ¤ C €
U D D D D D D D D D D D D D D D D D D D	Carrier DOT No. None Shipper and Commodity		
Monday Nov 21 Violation: none	Uncertified Log(s) Log Date		🕥 📓 Ricap Cersiy
Violation: 11 14	Saturday Nov 19	Certify	S 🖬 Ricap Centify
Saturday Nov 19	Sunday Nov 20	Certify	ි 📓 Recap Certify
Start Time: 12AM M 1 2 3 4 5 6 OFF	Monday Nov 21	Certify OK	US70hr8days 6 7 8 9 10 11 M Total 13:42
SB 11 11 11 11 11 11 11			00:00 10:18 11.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.
ON		2	<u>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 </u>
Driver Log		DVIR	Q Inspect

If the driver did not certify all the daily logs, the ELD will prompt the driver regarding uncertified logs upon logging in and logging out to the app along with the option to certify the relevant days.

5.2.11 Email a Log

When driver need to email a certified logs PDF to the back office, the driver can send directly from the **App** used (e.g Gmail app for Android) or have the HOS **Server** send the email instead of sending it directly from the mobile device.



Email Log via Server



A Send Email dialog will display when the driver taps 'Yes' on the prompt to send certified log.

Enter the email address for the recipient. If the recipient is more than one, separate email addresses by comma. Tap **Send** button to send the certified log PDF.

Note: To send certified log PDF via HOS Server, set the Email Sender option to Server (default to Server) in Settings screen>HOS Preferences>Other.

An app will open (e.g. Gmail app will open for Android device) with a new message that has a PDF file attached when the driver taps 'Yes' on the prompt to send certified log.

If driver has recipient email populated in the **portal>settings>drivers' management page>PDF Report** or in the **app>settings>PDF Report Email**, then recipient email is also pre-populated in the email draft.

Note: To send certified log PDF via App, set the Email Sender option to App in Settings screen>HOS Preferences>Other.

920-338-0479

<u>Email Log via App</u>

← Compose		@ > :
	From	
	To backoffice@gmail.com V	
	Cc david jackson@gmail.com	
	VisTracks logs for David Jackson Sr. from 01-24-2018 to 01-24-2018	
	Driver's Daily Logs	
1 2	avid.jackso8·01-24.pdf × 3 4 5 6 7 8 9 (0)	0 Del
q w		p 🛛 🖾
a	\mathbf{s}^{\oplus} $\mathbf{d}^{\#}$ \mathbf{f}^{\pm} $\mathbf{g}^{\#}$ \mathbf{h}^{\pm} \mathbf{j}^{\pm} $\mathbf{k}^{(}$ $\mathbf{I}^{()}$	¢.
ŵ z	x c v b n m , ! .	.? 仓
Ctrl !1@	(L) English (US)	< ▷



Page 51

5.2.12 Edit a Log

Only driver logs that have not yet been certified can be edited, you will have to uncertify a driver log in order to update its contents, to do this, tap the Edit button to uncertify the selected log and reopen it for editing:



The *Edit Log* screen can update/correct the driver's or driving duty data entries logged through the app. It can also view the history of an edited log.



Tap the driver's log grid to start editing it:



Driver will be able to add a note to the following events: Intermediate log

- Login/logout
- CMV Engine power up/shut down
- Malfunctions and diagnostic events

								-
Start 1	Time: 12AM		<	- Wed Nov 23, 20	016 ->		CanS70h	hr7d
DFF SB		4 5 6		10 11 N 1	2 3 4 5	6 7 8 9	10 11 N	1 To 17 00
D ON 1				2 10	2007 - 398			00 00 17
	on: none ers: green cross				ion: none ow all events			
		Start	Duration			+ Except	H AE	
	ers: green cross	Start 01:00 PM	Duration	_ st	ow all events	EXCEPT		
Co-Drive	ers: green cross Status		Duration	_ st	ow all events Note Crossed into NorthDakota, US	EXCEPT		EDI
Co-Drive	ers: green cross Status Remark	01:00 PM	Duration	_ st	ow all events Note Crossed into NorthDakota, US from Ontario, CANADA	EXCEPT		EDI NOT
12 14	rs: green cross Status Remark ELD Logout	01:00 PM 01:00 PM	Duration	_ st	over all events Note Crossed into NorthDakota, US from Ontario, CANADA ELD Disconnection	EXCEPT		EDI



Create Log Event



To add a new event to the selected log, tap the *Add* button, input the relevant details to create the event, once complete, tap the *OK* button to save the event. Also, the current status of the app is disabled to prevent adding the same status consecutively.

Note: Refer to 3.2 Changing the Driver's Status for 'Personal Use'

Modify Log Event



Tap the *Edit* button adjacent to any of the existing log events, make any required changes, select a reason for the edit from the drop down list and then tap the *OK* button to save the changes



Start	Time: 12AM		←	Fri Dec 29, 2017		US70hr8day
			Derenon			
1	Driving	12:00 AM	2h 30m		_	EDIT
2	Sleeper	02:30 AM	Modify Even	t for Fri Dec 29 log		/ 6017
з	Remark	07:51 AM	Start:	<-15 Fri 09:28 AM	A +15>	1
4	Remark	07:58 AM		2 minutes OnDuty ND -		EDIT
5	Driving/IC	08:21-AM		29mi NE Orange Co	ve, CA	EDIT
6	Remark	08:24 AM			4	EDIT
7	Remark	09:02 AM	Note:	Automatic Transitio	on	EDIT
8	Remark	09:04 AM	Reason:	No reason selected		EDIT
11	Power On	09:16 AM	Odometer:	mi		NOTE
12	ELD Login	09:16 AM	DEACTIVATE		CANCEL OK	NOTE
14	Driving	09:16 AM	DEACTIVATE		CANCEL OK	EDIT
17	Power Off	09:22 AM		29mi NE Orange Cove, CA	Automatic Transition	NOTE
18	Remark	09:26 AM		29mi NE Orange Cove, CA	Co-driver logged in: Walter Wolters Jr.	EDIT

Regardless if the vehicle currently used is in AOBRD or ELD mode, driver can be able to edit the *Auto OnDuty ND* event the same with editing a manually created events.

tart	Time: 12AM		(Fri Dec 29, 2017				hr8d
11	Power On	09:16 AM		29mi NE Orange Cove, CA	Automatic	Fransition		NOT
12	ELD Login	09:16 AM		29mi NE Orange Cove, CA	ELD Conn	nection		NOT
14	Driving	09:16 AM	12m	29mi NE Orange Cove, CA	Automatic 1	Transition		-
17	Power Off	09:22 AM	Description Del	in Time				NOT
18	Remark	09:26 AM	Reassign Dri	ving Time				0
19	OnDuty ND	09:28 AM	Note:	Automatic Transition				- EDI
20	Power On	09:30 AM		No driver selected				NOT
22	Driving	09:30 AM	Driver.	walter.walters@gmail.co				-
24	Power Off	09:31 AM	_		CANCEL	OK		NOT
25	ELD Logout	09:33 AM		29mi NE Orange Cove, CA	ELD Discor	nection		1
26	*OffDuty	09:34 AM	1h 24m	29mi NE Orange Cove, CA	tes	t	+ DP	-
27	Remark	10:39 AM			Authent	ticate		EDI
29	Remark	10:52 AM			Authent	licate		-

For **Auto Driving event**, driver can be able to edit a note or reassign the event to a co-driver. (See Section 10.1 Logon Co-Driver-> Reassign Driving Time)



Modify Log Event Using Grid View Editing

← View Log	ē	DBCf
Start Time: 12AM Kon Mar 05, :	2018 ->	US70hr8days
M 01:45 02:00 4 5 6 7 8 9 10 11 N 1 OFF SB D N N N N N N N N N N N N N		8 9 10 11 M 02:03 00:00 00:00 02:03
Begin 01:45 AM O End 02:0	DAM O	Dur: 00:15 🕲
OFFDUTY SLEEPER	DRIVING	ONDUTY ND
Location: Enter Location		
Reason: No reason selected	Odometer:	0.0 km
Notes: Add Notes		
CANCEL	SAVE	

When **Use GridView Editing** is enabled in Settings->HOS Preferences, a grid view editing form will display upon tapping **Edit** button to any of the existing log events or tapping the **Insert Past Status** button.

User can then make any required changes:

- Drag the sliders on the grid to set the Begin Time and End Time or by manually entering the time using time picker field.
- Select Off Duty, Sleeper Berth, Driving or On Duty ND button
- Select a reason for the edit from the drop-down list.
- Fill other fields required fields.
- Then tap the *Save* button to save the changes.

Notes:

- All log events that have been manually created or amended, will be displayed with an asterisk against it in the log events list depicting that it has been edited. Also scroll down to see check boxes for Personal Use, Yard Moves and Off Road.
- Upon editing a past event, the Note field should not be empty and must contain at least 4 characters when filled out



Page 56

Pending Edit Requests

The Motor Carrier can request edits to the driver's logs. In the application allows the driver to review the requested edits which requires the driver to take necessary action whether the driver wants to "**confirm**" or "**reject**" the requested edits.



Tap the icon beside the refresh button to display the pending edit request dialog





The Pending Request dialog also appears upon certifying a log only if driver has pending requests. Driver must accept or reject the pending request(s) first before certifying the days' log.

	Logs	0 Selected								
	Thurs	day Sep 2	8							l ci
	Start Time: 1	12AM			Tap log char	t to view				70hr8
	M 1	2 3	4 5	6789	10 11 N	1 2 3	4 5 6	7 8 9	10 11	MT
	OFF	D	E.I.							1
	58	Pendin	g Edit Requ						11111	T
	58				each event to vie					_ ``
	D	Event	1	Start	Date	From	Ac	tion	Balance	00
	ON	1 OnDuty	r ND	08:31 AM	Sep 28, 2017	Personnel	ACCEPT	REJECT		00
7	Driver	2 Driving	I.	09:36 AM	Sep 28, 2017	Co-Driver	CCEPT	₹ REJECT		1 Q
	Driver Keith U.							CANCEL		
					Trailer Name					
	0 Begin	0 End	0 mi Distance	AAN 2565	AUB2136, AUB2137, SER987			No DVIR		

A toast message will be displayed at the bottom of app stating: "Must Accept or Reject Pending Requests".

Note: *The events from the 'Unidentified' driver does not require acceptance.*

The Reject and Accept Event dialog shows the comparison of the Original status vs the changes (requested edits). Also, accepting the edits requested requires the driver to fill in the annotation field (**Required**) to successfully save the changes.

	iče	₽DMº :
	A John Doe Jr.	ROADSIDE INSPECTION
	Accept Event	
	Do you really want to accept this event?	
Pe	Event: Driving	IS
	Start: Jan 16, 2017 08:06 AM	
	Origin: Personnel	
1.0	Note: from portal	
	Reason: ELD Device Failure	CT .
2 0	Odo: 565 mi	
Tin	Enter annotation for this event	CEL
		CANCEL OK
001	START BREAK	SHIFT/CYCLE

If the driver approves the edit suggestions, the new status will replace the old status and the changes will be reflected in the events history list. If the driver rejects the edit suggestions then the original record remains.



Page 58



Auto Events

The ELD automatically records the driving time when the vehicle is in motion by setting duty status to driving for the driver unless, before the vehicle is in motion, the driver has sets the duty status to off-duty and indicates personal use of CMV, in which case duty status must remain off-duty until driver's indication of the driving condition ends;

							Ę.	D 🖉	C	£
tart	Time: 12AM		€	Wed Nov 23, 20	16 ->			C	anS70hr7	day
М	1 36 3	4 5 6	7 8 9	10 11 N 1	2 3 4 5	6 7	8 9	10 1	1 M T	ota
FF		1 1 1 1 1 1	71.38		3;50	- 1 A 1 A 1 A	al al al al al al	1.15	1	7::
SB	In all official	h di di di	i di di di	i ili ili ili i	i ili i i ili	ili ili	the she al	1 th	· [[0	0:0
D	1	1. ի ն ի ն ի ն	ինինին	1	ի հեղ հեր	يل ل	ահերհ	i di	111 0	0:0
ON	hild hild	հեհետե	ليليليليل	3 101	38	dudd	ليليليلي	i di	1.1.1	0:0
l Ininti	on: none			a Maria						1.55
	on: none									
o-Drive	ers: green cross				on, none ow all events					
o-Drive	ers: green cross Status	Start	Duration				+ EXCEP	т	+ ADD	
Drive		Start 01:00 PM	Duration	Sho	ow all events			т	DOA	рп
	Status		Duration	Sho	ow all events Note Crossed into NorthDako	DÁ		τ	ADD	
12	Status Remark	01:00 PM	Duration	Sho	w all events Note Crossed into NorthDako from Ontario, CANA	DÁ n		T	ADD ED NC	TIC
12 14	Status Remark ELD Logout	01:00 PM 01:00 PM	Duration	Sho	w all events Note Crossed into NorthDako from Ontario, CANA ELD Disconnectio	DÁ n		T	ADD EE NC	DIT DTE DTE

Events such as Power On, Power Off, Driving and OnDuty are automatically created when connecting to a device. Auto events created were recorded and displayed on the Events history list indicated with a note "Automatic Transition".

(These events are also displayed in the Portal)

To view all the auto created events (primary or secondary events) when connecting to a device, tap on the '**Show all events**' checkbox to enable.

To hide all the secondary events, tap back on the checkbox to disable.

						DN	/ <u>₽</u> C
tart 7	Time: 12AM		<i>\</i>	Wed Nov 23, 201	16 ->		US70hr8
м	1 2 3	4 5 6	7 8 9 1	IO 11 N 1	2 3 4 5 6	5 7 8 9 1	10 11 MT
FF		12:3					1
БВ	11 11 11	הן ידין ידין ידי				11 11 11 11	
D							
l	00:0000			2 45339	0.0000		1
	on: none ers: Mongol One			Exceptio	m: none w all events		1.
		Start	Duration	Exceptio		+ EXCEPT	+ ADD
	ers: Mongol One	Start 12:59 PM	Duration	Exceptio	w all events		+ ADD
-Drive 29	rrs: Mongol One Status		Duration	Exceptio	w all events Note		+ ADD NC
-Drive	rs: Mongol One Status ELD Login	12:59 PM	Duration	Exceptio	w all events Note ELD Connection	EXCEPT	+ ADD NO
29 30 31	rs: Mongol One Status ELD Login Miss Diag	12:59 PM 12:59 PM	Duration	Exceptio	w all events Note ELD Connection Missing: Location Crossed into Ontario, CANADA	EXCEPT	+ ADD NC
-Drive 29 30	rs: Mongol One Status ELD Login Miss Diag Remark	12:59 PM 12:59 PM 12:59 PM	Duration	Exceptio	w all events	EXCEPT	+ ADD NC

Note: The graph-grid overlay periods of driver's indications of authorized personal use of CMV and yard moves using a different style line (such as the dashed or dotted line in amber color).



Page 59

tart	Time: 12AM			\leftarrow	Wed Nov	23, 2016									С	anS70)hr7da
M F	1 36	3 4 5	6 7 8	9 10	11 N	1	2 3	3:50	4 !	5 (111	7	8	9	10	11	M Tot
B	TL T	<u>, ili ili ili</u>	ili ili il	i di di	The r	lt t	111	TT	П	T	Ч	ηı	П	Π.	ηı	111	00:
D	14.1 A	1 վերկերի		d di di		h n	ili		цh	ili	ili	ih	uli	uh	di	ili	00:
N	in de la com	մենեն	di di di	ddidi	hih	h h	11d		τŤτ	iĥ	i li	hh	h	hh	h	hh	00:
Drive	on: none ers: green cross					Exception:											
-Drive		Start	Duration	1				No	ote					+ EXCEPT			+
Drive	ers: green cross	Start 01:00 PM	Duration				all events Crossed	into No									
	ers: green cross Status		Duration				all events Crossed fror	l into No n Ontar	orthDak	ADÁ							EDIT
12	ers: green cross Status Remark	01:00 PM	Duration				Crossed fro El	l into No n Ontar LD Diso	orthDak rio, CAN	ADĂ on	í.						EDIT
12 14	ers: green cross Status Remark ELD Logout	01:00 PM 01:00 PM	Duration				Crossed fro EI	l into No n Ontar LD Disco tomatic	orthDak rio, CAN onnecti	ADA on tion	-						EDIT NOTE

- A Remark will be recorded with a note "Authenticate" to the events history list if Driver will login to app.
- A Remark will be recoded with a note "Unauthenticate" if driver will logout from app.
- ELD Login will be recorded with a note "ELD Connection" to events' history list when app successfully connected to VBUS Device.
- ELD Logout will be recorded with a note "ELD Disconnection" to events' history list when driver manually disconnect to VBUS Device by tapping the connect/disconnect icon located at the App header.



Crossing Boundaries

The border crossing calculation uses the VBUS GPS coordinates if they are available, and the android coordinates if they are not. The following instances happens when the driver crossed boundaries between Canada and US (vice versa):

a. If the GPS coordinates are changed to a different state or province, a remark event will be recorded in the driver log.

§ .		. Fi																													*	۲	80	55% (1 5:3	31 PM
																														Ę			4		С	Ð
Start	Time: 12	AM										<	-	١	Ned	No	(23)	, 20	16														Ca	inS7	0hr	7days
M	1 (36	З		4	5		6	7		8	9	10	. 1	1	N		1	. 2	2	3	3:50	4	5		6	1	7	8	(9	10	1	1		Total
OFF																		Ĺ				3.50			_					1	1		1		1	17:28
SB	1.41	1	11	11	1.15	1	1.	1	T	11	1.1.	PI		1		1	T.	1		1	Т	1		1	15		P	1	1	1	1		P	1	0	00:00
D	di d		1.1	31.	l.c		l.	đ		37	1.	1		1.	.1		đ			1					.E		Ē.	c1		L	.1		1.	.1	0	0:03
ON		T				T	1					1				İ		T			T	T				T			1				1		1	00:00
1				111							1111					3		101	20			38							11				111		1	17:31
	ion: none ers: green (noss																eptic Sho		one even	ts															
	Statu	5			Sta	art			D	urat	ion			1	.oca	itio						N	ote							E	+ XCEPT				+ ADD	ų.
12	Remark				01:0	0 PM													1	Cros	sed in from (nto N Onta	orthi rio, C	Dako ANA	ta, US DA	iA										DIT
14	ELD Log	out			01:0	0 PM															ELD	Disc	onne	ection	ņ											OTE
16	Power 0	In			01:2	8 PM															Auto	mati	c Tra	nsitia	on											OTE
18	Remark				01:2	8 PM															Ur	hauti	nentia	cate												DIT
20	Remark				01:3	1 PM															,	Autho	entica	ite												TIC
+Inac	tive: IC=Chi	anged	, ICR=	Chang	e Requi	estea	I, ICJ	= Cha	ngel	Reject	ed																									*

- b. If the current location is in Canada, the driving rules will automatically switched to Canadian rules. Similarly, if the location is in the US, the driving rules automatically switched to US rules.
- c. If there is a co-driver logged in, both the remark and the rules changes will be occurring to be applied for him/her as well.



5.3 Malfunction and Data Diagnostic Events

At Each instance when an ELD malfunction or data diagnostic event is detected or cleared by the ELD, the ELD records the event. The recorded malfunctions and data diagnostic events are inconsistencies found while monitoring the app/ELD against FMCSA compliance requirements. These instances are indicated in the application header and in the Android notification toolbar with the letters M and D, respectively.

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Note: The ELD Data Diagnostic indicator provides notification of active data diagnostics events applicable to the active driver. The Data Diagnostics "D" icon will flash in amber color if there are new active Data Diagnostics events that is not yet reviewed by the driver and will only turn back to white once the Data Diagnostic dialog is closed after being reviewed by the driver. There will also be a notification in the Android toolbar indicating a malfunction or a data diagnostic event.

Code	Date	Time	Description	Action				
2	Wed Jan 18, 2017	08:50:18 AM	Engine Synch Diagnostic	CLEAR				
5	Tue Jan 17, 2017	07:50:43 AM	Unidentified Driver Diagnostic	CLEAR				
LEAR ALL				CANCEL				
			Malfun	ctions				
			Cod	е	Date	Time	Description	Action
			L	Thu N	lov 03, 2016	12:45:23 PM	Position Malfunction	CLEAR

tart Time: 12A	4		Edit Miss	Diag Note						
M 1 30	3 4	5 6	Note: Missing: Location					6 7 8	9 10	11 M Tot
B		a ata at								17
Palatala		a di ta af				CANO	EL OK			00
Nulphala		dall	Andrefer	alalala	i solo o	Indiaina				
					3 19 2 Exception	NF 34	36			
1 -	2 *	3 ″	4 /	5 *	6	7 8	8 *	9 (0)	Del
1 ¹	-	3 * e	4 / r	5 *	6 ^	7 ⁸ U	8 ° i	9 (0	0) p	Del
q	2 *	e		t	6 y	u		0		
q	2 ®	e	r	t	6 y	u	i	0		

The Malfunction and Data Diagnostic events note can also be edited on the edit log screen Tap the *Clear button* to clear the malfunction or data diagnostic

To clear all Data Diagnostic

event detected

Events, tap the **Clear All** button.



	M	lalfunction Eve	nts
Requirement No.	Event Code	Event Name	Description
4.6.1.1	P / Power MF	Power Malfunction	An ELD must set a power compliance malfunction if the power data diagnostics event described in paragraph 4.6.1.1(a) of this appendix indicates an aggregated in-motion driving time understatement of 30 minutes or more on the ELD over a 24-hour period across all driver profiles, including the unidentified driver profile.
4.6.1.2	E / Sync MF	Engine Synchronization Malfunction	An ELD must set an engine synchronization compliance malfunction if connectivity to any of the required data sources specified in section 4.3.1 of this 87 appendix is lost for more than 30 minutes during a 24-hour period aggregated across all driver profiles, including the unidentified driver profile.
4.6.1.3	T / Timing MF	Timing Malfunction	The ELD must periodically cross- check its compliance with the requirement specified in section 4.3.1.5 of this appendix with respect to an accurate external UTC source and must record a timing compliance malfunction when it can no longer meet the underlying compliance requirement.
4.6.1.4	L / Pos MF	Position Malfunction	ELD records requiring location information must use the last valid position measurement and include the latitude/longitude



			coordinates and distance traveled, in miles, since the last valid position measurement. An ELD must monitor elapsed time during periods when the ELD fails to acquire a valid position measurement within 5 miles of the CMV's movement. When such elapsed time exceeds a cumulative 60 minutes over a 24- hour period, the ELD must set and record a positioning compliance malfunction.
4.6.1.5	R / DR MF	Data Recording Malfunction	An ELD must monitor its storage capacity and integrity and must detect a data recording compliance malfunction if it can no longer record or retain required events or retrieve recorded logs that are not otherwise catalogued remotely by the motor carrier.
4.6.1.7	S / Trans MF	Data Transfer Malfunction	 (a) An ELD must implement inservice monitoring functions to verify that the data transfer mechanism(s) described in section 4.9.1 of this appendix are continuing to function properly. An ELD must verify this functionality at least once every 7 days. These monitoring functions may be automatic or may involve manual steps for a driver. (c) After an ELD records a data transfer data diagnostic event, the ELD must increase the



			frequency of the monitoring function to check at least once every 24-hour period. If the ELD stays in the unconfirmed data transfer mode following the next three 90 consecutive monitoring checks, the ELD must detect a data transfer compliance malfunction.
4.6.1.8	O / Other MF	Other Malfunction	In addition to the required monitoring schemes described in sections 4.6.1.1– 4.6.1.7 of this appendix, the ELD provider may implement additional, technology-specific malfunction and data diagnostic detection schemes and may use the ELD's malfunction status indicator and data diagnostic status indicator (described in sections 4.6.2.1 and 4.6.3.1) to communicate the ELD's malfunction or non- compliant state to the operator(s) of the ELD.

	Data	a Diagnostic Ev	vents
Requirement No.	Event Code	Event Name	Description
4.6.1.1	1 / Pwd Diag	Power Diagnostic	An ELD must monitor data it receives from the engine ECM or alternative sources as allowed in sections 4.3.1.1-4.3.1.4 of this appendix, its onboard sensors, and data record history to identify instances when it may not have complied with the power requirements specified in section



			4.3.1.1, in which case, the ELD must record a power data diagnostics event for the corresponding driver(s), or under the unidentified driver profile if no drivers were authenticated at the time of detection.
4.6.1.2	2 / Sync Diag	Engine Synchronization Diagnostic	An ELD required to establish a link to the engine ECM as described in section 4.2 must monitor its connectivity to the engine ECM and its ability to retrieve the vehicle parameters described under section 4.3.1 of this appendix and must record an engine-synchronization data diagnostics event when it no longer can acquire updated values for the ELD parameters required for records within 5 seconds of the need.
4.6.1.4 (d)	3 / Miss Diag	Missing Data Elements Diagnostic	If a new ELD event must be recorded at an instance when the ELD had failed to acquire a valid position measurement within the most recent elapsed 5 miles of driving, but the ELD has not yet set a positioning compliance malfunction, the ELD must record the character "X" in both the latitude and longitude fields, unless location is 88 entered manually by the driver, in which case it must log the character "M" instead. Under the circumstances listed in this paragraph, if the ELD event is due to a change in duty status for the driver, the ELD must prompt the driver to enter



			location manually in accordance with section 4.3.2.7 of this appendix. If the driver does not enter the location information and the vehicle is in motion, the ELD must record a missing required data element data diagnostic event for the driver.
4.6.1.7	4 / Trans Diag	Data Transfer Diagnostic	(b) If the monitoring mechanism fails to confirm proper in-service operation of the data transfer mechanism(s), an ELD must record a data transfer data diagnostic event and enter an unconfirmed data transfer mode.
4.6.1.6	5 / Unid Diag	Unidentified Driver Diagnostic	 (b) If more than 30 minutes of driving in a 24-hour period show unidentified driver on the ELD, the ELD must detect and record an unidentified driving records data diagnostic event and the data diagnostic indicator must be turned on for all drivers logged in to that ELD for the current 24-hour period and the following 7 days. (c) An unidentified driving records data diagnostic event can be cleared by the ELD when driving time logged under the unidentified driver profile for the current 24-hour period and the jorevious 7 consecutive days drops to 15 minutes or less.
4.6.1.8	6 / Other Diag	Other Diagnostic	In addition to the required monitoring schemes described in sections 4.6.1.1– 4.6.1.7 of this appendix, the ELD provider may



	implement additional, technology-specific malfunction and data diagnostic detection schemes and may use the ELD's malfunction status indicator and data diagnostic status indicator (described in sections 4.6.2.1 and 4.6.3.1) to communicate the ELD's malfunction or non- compliant state to the operator(s) of the ELD.
--	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Actions for Malfunction & Data Diagnostic Events

Carrier responsibilities regarding malfunctions:

- Provide drivers with an instruction sheet describing the various ELD malfunction events and recordkeeping procedures (395.22)
- Provide drivers with a supply of 8 days' worth of blank paper driver records (395.22)
- Repair, replacement, or service
 - Motor carrier must correct the malfunction of the ELD within 8 days of discovery of the condition or a driver's notification to the motor carrier, whichever occurs first (395.34)

Record keeping responsibilities by the driver:

- Malfunction events
 - Note the ELD malfunction and provide carrier with written notice within 24hrs (395.34)
 - Reconstruct driving events for the current 24hr period and previous 7 consecutive days using paper logs (unless they can be retrieved from the ELD) (395.34)
 - Continue to manually prepare driving logs until ELD is serviced and brought back into compliance (395.34)



- During inspections which take place when a malfunction has occurred: provide safety official with manually kept driver logs (395.34)
- Data diagnostic events
 - Driver must follow the motor carrier's and ELD provider's recommendations in resolving the data inconsistency (395.34)

Clearing of malfunction and data diagnostic events:

- ELD needs to capture when a malfunction or data diagnostic event has been cleared by the driver (4.5.1.7)
- Unidentified driving records data diagnostic
 - Events that drop to 15 minutes or less during the current 24hr period and previous 7 days can be cleared automatically and there is no requirement to record the automatic clear (4.6.1.6)



5.4 DVIR

The **DVIR** feature provides a way for you to create online vehicle DVIR reports while in the field. This helps to ensure that your vehicle confirms to the FMCSA's safety regulations.

There are a number of ways to access this feature:

5.4.1 DVIR Feature – Main Navigation Menu



5.4.2 DVIR Feature – Hours of Service Main Screen

		📮 C 🕂			₽ D M ₽ :
	Edwin Fisher IJ	ROADSIDE INSPECTION	e	John Doe Jr.	ROADSIDE INSPECTION
	AAN 2564	OPTIONS		Truck102	OPTIONS
Driving -	None		OffDuty *	, None	
		LOGS			LOGS
Time Remaining	RECAP		Time Remaining	RECAP	
07.50		DVIR	00.00		DVIR
07:59 On Duty Time Until Break	Please perform a Pre-trip DVIR	SHIFT/CYCLE	00:00	START BREAK	SHIFT/CYCLE

From the *Hours of Service Main Screen*, tap the *DVIR* button to display the *DVIR* screen.



Otre Carlant Otre Carlant </th <th>OVR DVR Current DVIR Description Partie Outreat DVIR Description Partie Outreat DVIR Description Partie Outreat DVIR Prove Montest Partie Outreat DVIR Prove Montest Partie Outreat DVIR Internet Prove Montest Internet Internet Internet Versite Internet Internet Internet Alt2027 Traine Internet Internet</th> <th>Description Constraint Very State Very State Constraint Very State Constraint Very State Constraint Very State</th>	OVR DVR Current DVIR Description Partie Outreat DVIR Description Partie Outreat DVIR Description Partie Outreat DVIR Prove Montest Partie Outreat DVIR Prove Montest Partie Outreat DVIR Internet Prove Montest Internet Internet Internet Versite Internet Internet Internet Alt2027 Traine Internet Internet	Description Constraint Very State Very State Constraint Very State Constraint Very State Constraint Very State
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Thu Aug 10, 2017	US70hr8days Vehicle disconnected	
5 6 7 8 9 10 11 N 1 2 3 4 5 7 8 9 11 11 11 11 11 11 11 11 11 11 11 11 1		

- When driver manually/automatically change to Driving event without completing the Pretrip DVIR, it will create a 'Remark' event with a note 'Pre-trip DVIR not performed.'
- The Remark event will only be created once per shift.
- The Remark event will be created after it detects or when a first Driving event on the shift cycle is created.
- Also, an **alert** is sent only once for each vehicle that begins to drive without having done a Pre-Trip DVIR.



5.4.3 Selecting Your DVIR Type

	DVIR Details		Current	DVIR	
Date: 10/24/2017 02:26:49 PM GMT+08:00		Pre-trip	09:08:02 AM	Certified	:
Pre-trip Post-trip Ad-hoc	Mechanic H EQUIPMENT		DVIR HIS	TORY	
Vehicle: AAN 2564 Trailer:	Form: Select form Form:				
AUB2137	Trailer Trailer				

Choose the appropriate **DVIR Type** from the following options.

Choose the appropriate *Inspector* from the following options.



You can select a DVIR Form from the 6 default DVIR forms or you can also select a Customized DVIR Forms for Asset(s) also from the list.

- Current DVR

 Dyrk Details

 Daw: 10/24/2017 02:26:49 PM (MIT+08:00)

 Pretrip
 09:08:02:AM

 Centrified

 Pretrip

 Opstrip

 Arbec

 versued of Trailer

 Yook

 Select form

 Trailer Trailer
- a) **Pre:** A DVIR conducted before driving the CMV.
- b) **Post:** A DVIR conducted after driving a CMV.
- c) Ad Hoc: Any DVIR conducted in any other period that the ones specified in points a & b.


5.4.4 Starting Your DVIR

Tap the *Inspect* button in each equipment to start the DVIR, you will be directed to the *DVIR screen*.

Note: However, a dialog as shown below will display that will ask confirmation to switch you to On Duty status to do DVIR if current duty status is in Off Duty or will take you out to Personal Use if current status is Off Duty under Personal Use.

Inspect You need to be on-duty to do DVIR. Would like to switch your status to on-duty?	Inspect You're currently in Personal Use. Performing a DVIR will switch you to on-duty and will take you out of Personal Use. Would you like to proceed?
NO YES	NO YES
If current duty status is Off Duty	If current duty status is Off Duty under Personal Use

5.4.5 Completing the First DVIR Area

	Parking Brake	0							
	Steering Mechanism	O	E						
Finish	Coupling Devices	0	Ę						
	Service Brakes (Including Trailer Connections)	O	Ę						
	Hazmat Placarding / Shipping Papers	٥	← View L					<u>R</u> C	70hr8d
	Lighting Devices and Reflectors	٥	W 1 2 3	4 5 6	7 8 9	Mon Aug 28, 2	2 3 4 5 6 7	8 9 10 1	
	Tires	0	SB	11 11 11		<u>1, 11, 11, 11, 11, 11</u>	a de de de de de	2:24	· · · · ·
	Horns	O		111111111111 11111111111	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	14444444444444444444444444444444444444	<u> </u>		
	Windshield, Wipers, Washers	0	Violation: none Co-Drivers: none				ition: none how all events		22
	ear View Mirrors	0	Status	Start	Duration	Location	Note	+ EXCEPT	+ ADD
			4 Remark	08:30 PM			Pre-trip DVIR not performed.	EXCEPT	ADU
			5 Remark	08:37 PM			Completion of Pre-trip DVIR for AAN 2564.		EC

The first **DVIR Area** is selected by default; you can also tap its corresponding tab to display the DVIR items under this area.

You can select the status of each DVIR Item by tapping their respective tri-state check boxes as listed below:

Tap the unselected check box once or select the green specify that the item has passed.



Thumbs Up icon to

Tap the unselected check box twice or select the red		Thumbs	Down	icon	to
specify that the item has failed.	Ċ				

Tap the unselected check box three times or select the NA NA icon it the item is not applicable for the current DVIR.

When failing a DVIR, an option for selecting a severity level will appear with its corresponding color: High – Red \triangle , Medium – Yellow \triangle , Low – Green \triangle .

Tap the *Check All* button to automatically select all the DVIR items.

5.4.6 Capturing an Image of a DVIR Item

If you wish to capture an image of a DVIR item, you can tap the *Camera Button*. The Camera app will then appear, proceed to take a picture of the DVIR item. After tapping the *Capture Image Button*, select the Save button to save the image and add it to your item report. You can also discard the captured image by selecting the *Cancel* button.

5.4.7 Add a Comment or Remark to a DVIR Item

← Add Comment	Ę	D	2 C +
Brakes Item Report			
Enter Report			ı.
CANCEL	ок		
Warning: Location Service is currently disabled			
<u>1 - 2 @ 3 # 4 / 5 % 6 ^ 7 & 8 *</u>	9 (0)	Del
q w e r t y u i	0	р	×
asd <u>f</u> gh <u>j</u> k	1		ł
T Z X C V b n m	,!	.?	+
Ctrl Sym		•	

You may add comments or remarks against a DVIR item by tapping the **Comments** button, enter the relevant comment or remark in the **Enter Report** field, tap the **Camera** button to add more images if required and select the **OK** button to finish adding your images and comments or remarks.



Hauler-Ta	nkor			
Frauler- Ia	nker	Air Compressor / Compresor de Aire	0	E
Done (46/46)	Pass All	Air Lines / Lineas de Aire	ο	
Trailer Done (15/15)	Pass All			_
Vehicle Condition	Pass All	Defroster/Heater / Descongelador/ Calentador	0	
Finish	Pass All	Drive Line / Linea de Impulsion	ි	Ę
		Engine / Motor	0	Ę
		Exhaust / Escape	0	Sample comment
		Fifth Wheel / Quinta Rueda	0	E
		Fluid Levels / Niveles de Liquidos	0	
		Frame and Assembly / Estructura y Montaje	0	E
		Front Axle / Eje Delantero	ο	

If you add an image and a comment or remark to the DVIR item, the *camera* button will have a numbered icon over it depicting the number of images that have been attached; also, any comments or remarks that have been added will be displayed and will replace the *Comments* button

Note: You can also tap the Voice Dictation button (speech to text) to use voice dictation instead of typing your comments or remarks.

5.4.8 Finishing / Certifying Your DVIR

	Inspect Are		토 C 원
ltems Done (13/13)	Pass All	Start Time: 09/27/2017 12:35:23 AM Elapsed Time: 27 Items Inspected: 13/13
	Finish		Inspection Result
			General Comments
			O Defects Corrected
			Ondition Satisfactory
			O Condition Unsatisfactory
			Signature
			CHANGE SIGNATURE FINISH DVIR

To finish / certify your DVIR, select the *Finish* tab, this will display the information detailed on the next page.



<u>Summary</u>

Summary

```
Start Time: 11/03/2016 11:39:14 AM
Elapsed Time: 01:41
Items Inspected: 2/2
```

- Start Time the date and time the DVIR was started
- Elapsed Time the duration of the current DVIR
- Items Inspected this is a counter for the number of items already inspected

Items Remaining

Items Remaining

Tractor - Brakes

This will only be displayed if you have not yet updated all of the DVIR items, this will show the item(s) that are still to be inspected.

<u>Final Items</u>

	Inspection Result
General Comments	
Defects Corrected	
Condition Satisfactory	
Condition Unsatisfactory	

General Comments - this is where you can enter your general DVIR report comments

One of the following options must be selected before the DVIR can be finished / certified.

- Defects Corrected
- Condition Satisfactory
- Condition Unsatisfactory



<u>Signature</u>



Drivers can change their signature by tapping the *Change Signature* button.

Mechanics and other inspectors can create their signatures by tapping the *Change Signature* button.

Selecting the *Change Signature* button will open the *Create Your Signature Here screen*:



Tap the *Done* button to save your signature or tap the *Clear* button to discard the signature



5.4.9 Submit or Certify the DVIR

				÷
Items Done (13/13)	Pass All	Start Time: 09/27/2017 12:35:23 AM Elapsed Time: 23 Items Inspected: 13/13		
		General Comments		
		Certify DVIR I, keith scott, certify that this DVIR is correct and true. NO YES		
		CHANGE SKONATURE FI	NISH DVIR	

Tap the Finish DVIR button to finish / certify the current vehicle DVIR. Finally, after reviewing all of the DVIR details tap the **OK** button to certify the DVIR. You can also cancel certifying the DVIR by tapping the **Cancel** button.

After successfully certifying the DVIR, a remark event will be created in the Edit Logs screen stating the completion of Pre/Post/Ad-Hoc DVIRs.

	- Viev	N LO	g																													ž		0		÷
tar	t Time: 12	2AM								<	<u> </u>		М	or	١A	ug	28	, 20)17														U	IS7()hr	Bday
М	1 2	3	4		5	6		7	ę	8	9	10		11		N	1		2		3	4		5		6		7	8	3	9	1	0	11	N	Tot
F	1.1.1.1.1		1.			-		-			-	20	30	+	1.				-		1	-						-				1.				20:
в		111	11		1	1	1									1	1					1		1				1	11	1	1	1	1		Γ	00:
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5	Remark		0	8:37	PN	1													(nple IR f	or /		12												EDI
	ctive: IC=Ch		100																																	



5.4.10 Deleting a DVIR

Go to the *Current DVIR* section. This is where you can view a list of the DVIRs conducted within the Vehicle DVIR screen:



- Tap the Email button to send the completed DVIR to an intended recipient.
- Tap the View button to view the DVIR details (once submitted, this cannot be amended).
- Tap the Remove button to remove the DVIR (once submitted, this cannot be removed).

5.4.11 Emailing a DVIR



- If Email Sender is set to Server, a Send Email dialog will display when the driver taps Email button to send the completed DVIR. Enter the email address for the recipient. If the recipient is more than one, separate email addresses by comma.
- If Email Sender is set to App, an app will open (e.g. Gmail app will open for Android device) with a new message that has a DVIR Report PDF file attached.

Note: Email Sender option can be seen and set in settings screen>HOS Preferences>Others.



5.5 DVIR History

Select DVIR		C + C + C + C	story		₽ ⊻ C
DVIR Details	Current DVIR	All Equipme	n a		
Date: 10/24/2017 02:26:49 PM GMT+08:00 Type: Inspector:	Pre-trip 09:08:02 AM Certified	Equipment			
Pre-trip Mechanic	DVIR HISTORY	- AAN 2565	Pre-trip	Scott Adams C	09/28/2017
Pre-trip Mechanic		Item Nam	e l	Repair Status Repa	air Comment
SWITCH EQUIPMENT		Air Lines / Li	neas de Aire		
		Fluid Levels	/ Niveles de Liquidos		
Vehicle/Trailer		Drive Line /	inea de Impulsion		
AAN 2564 Select form		Exhaust / Es	cape		
value Form UUB2137 Trailer Trailer A Newcorr		+ AUB2136	Pretrip	Scott Adams C	09/27/2017

The **DVIR History** feature displays the DVIRs for the last 30 days for the currently selected equipment. Completed DVIRs that don't have failed items shows in a row highlighted in green color while Completed DVIRs with failed items are highlighted in red. Also, a '+' can be tap to show the details of failed items.

5.5.1 Viewing DVIR History by Vehicle

pulpment Inspection Type Inspector Date Inspected N2565 Petrip Scott Adama C 09/28/2017 Poly Poly Poly /ul>	N2565 Peerify Scott Adams C Op/28/2017 € DVR History Image: Common	09/28/2017 C Comment AUB2136 Equipment Inspection Type Inspector Date Inspector Date Inspected - AUB2136 Peetip Scott Adams C Item Name Repair Status Repair Comment				🖻 🖬 G	÷				
N2 2655 Petrip Scott Adams C 09/28/2017 C D/IR History I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I	N2 2555 Pretrip Scott Adams C 09/28/2017 PVIR History Item Name Repair Status Repair Comment AUB2136 Ar Lines / Lines de Aire Equipment Inspection Type Inspector Type Fluid Levels / Nivelas de linguidos - AUB2136 Petrip Scott Adams C 09/27/2017 Enhaut / Eccape - AUB2136 Petrip Scott Adams C 09/27/2017 UB2136 Petrip Scott Adams C 09/27/2017 UB2136 Petrip Scott Adams C 09/27/2017	09/28/2017 C DVIR History Image: C Comment AUB2136 C Equipment Inspection Type Inspector Equipment Inspection Type Date Inspected - AUB2136 Pietrip Scott Adams C D9/27/2017 Image: Comment Repair Status Repair Comment 09/27/2017 Wheels and Rims	ll Equipment 🖌								
Item Name Repair Status Repair Comment Ar Lines de Aire AUBE136	Item Name Repair Status Repair Comment Ar Lines de Aire AUB2136 Fluid Levels / Niveles de Linguison Inspection Type Inspection Type Dive Line / Lines de Impulsion Endurytee Endurytee Endurytee Enbaut / Escape Respir Scott Adams C 09/27/2017 UB2136 Pretrip Scott Adams C 09/27/2017 Weels and Rims Weels and Rims Vince Scott Adams C 09/27/2017	AUB2136 Equipment Inspection Type Inspector Date Inspected Equipment Inspection Type Scott Adams C 09/27/2017 Item Name Repair Status Repair Comment 09/27/2017 Wheels and Rims Repair Status									
Ar Lans / Lines de Aire Au B2136	Air Lines / Lines de Air AUB2136 Fluid Levels / Niveles de Liquidos Equipment Inspection Type Inspector Date Inspector Drive Line / Lines de Inguilision - AUB2136 Pretrip Scott Adams C 09/27/2017 Exbaust / Escape Item Name Repair Status Repair Comment UB2136 Pretrip Scott Adams C 09/27/2017	AUB2136 Inspector Type Inspector Date Inspected Equipment Inspector Type Scott Adams C 09/27/2017 Item Name Repair Status Repair Comment 09/27/2017 Wheels and Rims Comment	AN 2565	Pre-trip	Scott Adams C	09/28/2017	← DVIR History			F V	С
AL Lans Classic Rate End AL Lans Classic Rate Equipment Inspection Type Inspector Date Inspector Dive Line / Loss de inputsion – ALB2136 Pre-trip Scott Adams C 09/22/2017 Enbaut / Escape Item Name Repair Comment Item Name Repair Comment UB2136 Pre-trip Scott Adams C 09/27/2017 Wheels and Rims	All Large / Language / All All Large / Language / All Inspection Type Inspection Type Date Inspection Type Fluid Large / Niveles de Insulation Equipment Inspection Type Inspection Type Date Inspection Type Drive Line / Large / Inspection All B2136 Pre-trip Scott Adams C 09/27/2017 Line / Large / Inspection Item Name Repair Status Repair Comment UB2136 Pre-trip Scott Adams C 09/27/2017	Equipment Inspection Type Inspector Date Inspected AUB2136 Pre-trip Scott Adams C 09/27/2017 Hern Name Repair Status Repair Comment 09/27/2017 Wheels and Rims			air Status Repa	ir Comment	AUR2126				
Drive Line / Lines de implicition AlB216 Prietrije Implicition Od/27/2017 Exhaust / Escape Item Name Repair Contraction Repair Contraction 00/27/2017 UB2136 Prietrija Scott Adams C 09/27/2017 Wheels and Rims Contraction	Drive Line / Lines de Impulsion Explain faith Inspection rype Inspection Deite inspection Drive Line / Lines de Impulsion Extrast / Escape Extrast / Escape Pre-trip Scott Adams C 09/27/2017 VB2136 Pre-trip Scott Adams C 09/27/2017 Wheels and Rims Repair Status Repair Comment	AU82136 Pretrip Scott Adams C 09/27/2017 Item Name Repair Status Repair Comment O9/27/2017 Wheels and Rims					A0B2130				
Exhaust / Escape - AU62 / Isio Premp Soot Adams C 09/27/2017 Exhaust / Escape Item Name Repair Status Repair Comment UB2136 Pre-trip Scott Adams C 09/27/2017 Wheels and Rims	Exhaust / Escape - Augr 1sio Premp Scott Adams C 09/2/2017 UB2136 Pre-trip Scott Adams C 09/27/2017 Wheels and Rims Repair Status Repair Comment	Item Name Repair Status Repair Comment 09/27/2017 Wheels and Rims	Fluid Levels / Niveles de	Liquidos							
UB2136 Pre-trip Scott Adams C 09/27/2017 Wheels and Rims	AUB2136 Pre-trip Scott Adams C 09/27/2017 Wheels and Rims	09/27/2017 Wheels and Rims	Drive Line / Linea de Imp	ulsion			- AUB2136	Pre-trip	Scott Adams C	09/27/2017	
			Exhaust / Escape				Item Name	Rej	pair Status Repa	ir Comment	
		Other	AUB2136	Pre-trip	Scott Adams C	09/27/2017	Wheels and Rims				
Other	Other						Other				
							1				

- DVIR History Screen displays DVIR inspections for all equipment by default
- Tap the Equipment name on the upper left of the screen to view the DVIR of the specified vehicle



6 Roadside Inspection

The Roadside Inspection feature provides the ability to view the driver daily logs for the past one week. It includes information on the vehicle used, shipments and driving statuses. It also has the ability to send all the logs that have already been certified to an intended recipient.

There are a number of ways to access this feature:

6.1 Roadside Inspection – Main Navigation Menu

	Hours of Service		<u>8</u> C (]
	icle disconnected		Connect X
	alfonso@yopx.com Tap to add or change driver		
Ê	Hours of Service	Alfonso Tran II	ROADSIDE INSPECTION
•	Job Sites		
٩	DVIR	AAN 2563	OPTIONS
÷	Work Orders		
	Switch Equipment	None	
٩	Roadside Inspection		LOGS
8	Documents	RECAP	
B	Fuel Receipts		DVIR
•	Settings		DVIIX
0	Help & Support	START BREAK	
÷	Logout	START BREAK	SHIFT/CYCLE
	1 Slide the screen fr	om left to right to show the Main	Navigation Monu

 Slide the screen from left to right to show the *Main Navigation Menu* Or
 Tap the *Main Navigation Hamburger* icon to show the Main Navigation Menu

Tap the *Roadside Inspection* option within the *Main Navigation Menu*



6.2 Roadside Inspection – CyntrX Main Menu



From the *Hours of Service Main Screen* then tap the *Roadside Inspection* button.

6.3 Inspection Screen – Start Review

F	DI	VI 🖉	1	
	Con	nect		
57 consecutive er.				
	s 7 consecutive	Conress 7 consecutive days.	Connect	37 consecutive days.

From the *Roadside Inspection Screen*, tap the *Start Review* button to view the *Driver's Daily Log screen*.





Roadside Inspection screen for vehicle in **ELD** mode

Roadside Inspection screen for vehicle
in AOBRD mode

Note:

- Automatic 'Remarks' will not be displayed in the screen such as 'Pre-Trip not performed', 'Authenticate' and border crossing remarks if current vehicle is in AOBRD mode.
- Notes entered in an added event will be displayed in the Roadside Inspection screen under the "Note" column when in AOBRD mode.
- Driver that is being inspected must provide a password when exiting from the Roadside Inspection Screen.

		\leftarrow	Thu Nov 03, 2016			
12:35 PM			439	59980.0	ELD Login	Driver
12:35 PM			439	59980.0	Miss Diag	Auto
12:36 PM		00m	1	42.0	Sleeper	Driver
12:36 PM	1 mi E Brandon, 3		440	60022.0	Miss Diag	Auto
12:36 PM	1 mi E Brandon, 3	00m	1	43.0	Driving	Auto
12:36 PM	1 mi E Brandon, 3		440	60026.0	ELD Logout	Driver
12:36 PM	1 mi E Brandon, 3	00m	1	46.0	OffDuty	Driver
12:36 PM	1 mi E Brandon, 3	00m	1	46.0	Driving	Driver
12:37 PM	1 mi E Brandon, 3		349	68374.0	Power On	Auto
12:37 PM	1 mi E Brandon, 3		349	68374.0	ELD Login	Driver
12:37 PM		00m	-0	12.0	OffDuty	Driver
12:37 PM	1 mi E Brandon, 3		349	68386.0	Miss Diag	Auto
12:37 PM	1mi E Brandon, 3	17m	0	13.0	Driving	Auto
12:45 PM			359	68877.0	Pos MF	Auto
12:51 PM			366	69263.0	Pow MF	Auto
12:51 PM			366	69272.0	ELD Logout	Driver
12:51 PM			366	69272.0	Miss Diag	Auto
12:55 PM		01m	-0	99.9	OffDuty	Driver

Tap the Previous button to

navigate to the previous log or tap the

Next button to navigate to the next log.



6.4 Roadside Inspection Screen – Data Transfer



7 Switch Equipment

The Switch Equipment feature allows a driver to easily 'switch' from one vehicle to another. It also assists in monitoring and documenting the vehicles being used as part of their driver logs.

There are a number of ways to access this feature:

7.1 Switch Equipment – Main Navigation Menu

÷	Hours of Service		🛱 C f
			Connect X
	alfonso@yopx.com Tap to add or change driver		
Ê	Hours of Service	Alfonso Tran II	ROADSIDE INSPECTION
•	Job Sites		
٩	DVIR	AAN 2563	OPTIONS
*	Work Orders		
	Switch Equipment	None	
Q	Roadside Inspection		LOGS
	Documents	RECAP	
Ð	Fuel Receipts		DVIR
•	Settings		D VIIX
0	Help & Support		
Ð	Logout	START BREAK	SHIFT/CYCLE

1. Slide the screen from left to right to show the <i>Main Navigation Menu</i>
Or
2. Tap the <i>Main Navigation Hamburger</i> icon ≡ to show the Main Navigation Menu
Tap the <i>Switch Equipment</i> option within the <i>Main Navigation Menu</i>



7.2 Options Menu



From the *Hours of Service Main Screen*, tap the *Options* button and then tap the *Equipment* button

7.3 Switch Equipment – DVIR Screen



1. Slide the screen from left to right to show the <i>Main Navigation Menu</i>
Or
2. Tap the <i>Main Navigation Hamburger</i> icon ≡ to show the Main Navigation Menu
Tap the DVIR option within the Main Navigation Menu
3. Select the DVIR button from the Main Hours of Service Menu and then select the Switch
button



7.4 Switching Equipment



Select the *Vehicle ID* or *Trailer ID* dropdown list and select the required vehicle or trailer, then tap the *OK* button to switch to the selected vehicle or trailer.

After tapping the Switch button, you will be asked if you would like to perform a vehicle DVIR, tap the **YES** button to navigate to the **Vehicle DVIR** screen or tap the **NO** button to close the dialog box and continue.

Switch truck can be performed also in the dashboard, by tapping the vehicle/trailer icon.

Vehicles and Trailers can also be filtered through **text entry** on the vehicle/trailer text fields. Text entry availability starts if the total number of trailers/vehicles numbers 250 or more.

Switching or selecting a Vehicle with a preconfigured VBUS device enables the app to find and connect on the match device.

Note: On the VBUS Settings, VBUS Data and Automatic Configuration should be enabled.



7.5 Managing Vehicles / Trailers

				Connect X
				SWITCH
LOGON CO-DRIVER	Switch Equipment			EQUIPMENT
	Vehicle Name: Truck 222			
	Trailer Name:		+ ADD	
	Attached Trailers			
SWITCH CO- DRIVER	TRA001		×	GAIN TIME
DRIVER	TRA002		×	
	MANAGE	CANCEL	ок	
		(
DOC	CUMENT	RETURN	N TO HO	S SCREEN

You can add, update and delete vehicles or trailers by tapping the *Manage* button; this will display the *Manage Vehicles/Trailers Screen*.

The 'Manage' button is only available given a situation, that the driver is an asset admin and that the 'Manage Equipment' option (found in the Equipment Management Page) is also enabled. Otherwise, the button will not be available on the Switch Equipment dialog.



7.5.1 Manage Vehicles / Trailers – Delete

				Connect X	Vehicle disconnected				Connect
				+	Name	License Plate	VIN	Туре	
AAA	AAA 123	64DSDAWER23W60MKI	Vehicle	/ (×)	Trail1			Trailer	1
BBB	BBB 123		Trailer	2 ×	Trail2			Trailer	1
Truck 10	AS 4501	1542ASDE2033DW450	Vehicle	/ ×	Trail3			Trailer	1
UpTest123	12YTU12	12345KILOP09520GH	Vehicle	/ ×	Trail4		JTCRI5YC0755C057	Trailer	1
.,					Truck1		JA3AU16U29U024930	Vehicle	1
					Truck2		1G6KD5EY0AU113517	Vehicle	1
					Truck3		1FM5K7D81DQB69297	Vehicle	1

To delete any of the vehicles or trailers listed, tap the 본 icon

Vehicles/Trailers made in the portal can be edited or deleted can be in the Smart Truck app and vice versa.

Note: If "Allow drivers to delete equipment" is unchecked in the portal then delete button will not be displayed in the screen.

← Manage Vehicles/T	railers			🗗 C 🗗
Vehicle disconnected				Connect X
Name				+ ADD
ATrack1	789SSF	-567ERT457YUGH678U	Vehicle	Z ×
CARTASITE	678ASW677	-5678R45TY6UYG560P	Vehicle	/ ×
Cole2	Delete Vehicle		thicle	2 ×
ColeTest	Delete CTVehicle?		thicle	2 ×
CT5Trailer		CANCEL DE	LETE railer	2 ×
CTrailer	yui		Trailer	_ ×
CTVehicle	WERDFGG	-123456SDFFAS34567	Vehicle	2 ×
DIGIWVA1	3013	-Q1234567890654000	Vehicle	/ ×
EQPortal4	676767yyh	9087HGTF54RE3456Y	Vehicle	/ ×
Search equipment				

Tap the **DELETE** button within the **Delete Vehicle** dialog to confirm deletion or, tap the **CANCEL** button to return without deleting.



7.5.2 Manage Vehicles / Trailers - Edit

				Connect X		Modify Equip	ment			
					Name	Equipment			Туре	
Name	License Plate	VIN	Туре	400	Trailer500	Name	Truck500		Trailer	
AAA	AAA 123	64DSDAWER23W6OMKI	Vehicle	1 ×	Trailer700	Туре	Vehicle	*	Trailer	
BBB	BBB 123		Trailer	1 ×	Trailer700	VIN	JTEBU17R340024608		traiter	
					Trailer800	Odometer Offset	o mi		Trailer	
Truck 10	AS 4501	1542ASDE2033DW450	Vehicle	<u> </u>	Trailer900		License Plate		Trailer	
UpTest123	12YTU12	12345KILOP09520GH	Vehicle	1 ×	Truck500	License Plate State	None		Vehicle	
					Hackboo	Regulation Mode	ELD - Regulation 395.2	o -	-	
					Truck600	GPS Receiver	Either Device	*	Vehicle	
					Truck601	Use GPS Odometer Use Calculated			Vehicle	
						Engine Hours	0		erenz.	
					VEH01	Device			Vehicle	
					VEH02	VBUS Device	None	*	Vehicle	
					VEH03		CANC	EL SAVE	Vehicle	

To edit any of the trucks or trailers listed, tap the icon, make any required changes to the selected truck or trailer and then tap the **SAVE** button to save the changes or, tap the **CANCEL** button to return without saving.

7.5.3 Manage Vehicles / Trailers – Add

				Connect X	+
				+ ADD	button, this will open the A
AAA	AAA 123	64DSDAWER23W6OMKI	Vehicle	1 ×	Truck dialog, enter the following
BBB	BBB 123		Trailer	/ ×	details:
Truck 10	AS 4501	1542ASDE2033DW450	Vehicle	1 ×	
UpTest123	12YTU12	12345KILOP09520GH	Vehicle	/ ×	Vehicle Name – Truck or trailer na
					VIN – Vehicle Identification Numb
					License Plate – license number
					Vehicle Type – Vehicle or Trailer
					Fill in the Device Information sect
					to pre-configure the Vehicle to a
earch equipment					specific VBUS device.



When creating a new equipment, the default selected device option is set to "**None**". Also, If the option "**None**" is selected, on the create/edit equipment screen, all other fields on the ELD configuration section will be hidden.

	Create Equipm	nent			🛛 C 🕣	iPed 奈 ✔ Manage Vehicle/Trailers		9:08 AM		<u>ष</u>	+ * 6 C
bicle disconnected	Equipment				Connect X	Q Search Equipment					
Name		Name		Туре	+ ADD	Name	Cr	reate Equipment			
VEH01	Туре	Vehicle	-	Vehicle	XX	Trailer500	Equipment Informa			Trailer	
	VIN	VIN			Intel (Intel	Trailer700		Vehicle V	_	Trailer	
VEH02	Odometer Offset	Odometer Offset mi		Vehicle		Trailer800		VIN		Trailer	-
VEH03	License Plate	License Plate		Vehicle	2 ×	Truck500	Odometer Offset(km)	Odometer Offset	mi	Vehicle	
VEH04	License Plate State	None	*	Vehicle	/ ×	Truck600	License Plate	License Plate		Vehicle	
VEHOS VEHO6	GPS Receiver	ELD - Regulation 395.20 Either Device	•	Vehicle Vehicle	2 × 2 ×		License Plate State Use GPS Odometer Use Calculated Engine Hours GPS Source				
VEH07	Device			Vehicle	2 ×		Regulation Mode	ELD - Regulation 395.20 V			
VEHDB	VBUS Device	None	•	Vehicle	2 ×			Cancel Add			
VEH09		CANCEL	ADD	Vehicle	×						

Tap the **ADD** button to save the new truck or trailer or Tap the **CANCEL** button to cancel adding the new

Note:

truck or trailer.

- The connection type defers on the VBUS Device selected.
- If user selects "Digi WVA" in connection type, then admin password field is required.
- Firmware version field can be manually populated. For some VBUS device, it is already prepopulated.
- In the Portal, an ability to determine on which VBUS devices will be displayed is present. Accordingly, on the app, only those devices selected on the portal will be displayed in the "**VBUS Device**" menu.



	Create Equipr	nent			
	Equipment		Тур		
VEH01	Name	Name	Vehic	e	
VEH02	Туре	Vehicle	- Vehic		1
VEH03	VIN	VIN	Vehic	e	1
	Odometer Offset	Odometer Offset mi			
VEH04	License Plate	License Plate	Vehic	e	
VEH05	License Plate State	None	* Vehic	•	2
VEH06	Regulation Mode GPS Receiver	ELD - Regulation 395.20	Vehic		
VEH07	Use GPS Odometer	AOBRD - Regulation 395.15	Vehic		1
VEH08	Use Calculated Engine Hours	0	Vehic		1
	Device		_		
VEH09	VBUS Device	None	Vehic		
VEH10			Vehic	•	1
		CANCEL	ADD		

A **Regulation Mode** option to switch between 395.15 (AOBRD) and 395.20 (ELD) support is available. When 395.15 (AOBRD) mode is selected it turns off all 395.20 (ELD) features. It simply records the drivers' events regardless to the FMCSA rules. ELD is set as the default regulation mode for all new equipment.

Notes:

- Drivers on the app cannot change the Regulation Mode unless the driver is allowed to do so by enabling the following account control within the Account Settings->Carrier Information tab-> 'Allow drivers to specify vehicle HOS Regulation Mode (AOBRD or ELD).
- When in AOBRD mode, disables the data transfer button in the Options screen and changed the button to 'Email Logs' in the Roadside Inspection screen.
- When the driver is in AOBRD mode then the edit "*" sign & events will not be displayed in the Edit Logs screen and on the Certified PDF logs.

	Create Equipr	nem			
	Equipment			Туре	
VEH01	Name	Name		Vehicle	
VEH02	Туре	Vehicle	*	Vehicle	1
VEH03	VIN	VIN		Vehicle	0
	Odometer Offset	Odometer Offset mi			
VEH04	License Plate	License Plate		Vehicle	1
VEH05	License Plate State	None		Vehicle	1
VEH06	Regulation Mode	ELD - Regulation 395.20		Vehicle	2
VEH07	GPS Receiver Use GPS Odometer	Mobile Device (Smartphor	e/Tablet)	Vehicle	1
	Use Calculated	Vbus Device			
VEH08	Engine Hours Device	Either Device		Vehicle	2
VEH09	VBUS Device	None	•	Vehicle	1
VEH10				Vehicle	1

A **GPS Receiver** option allows the user to change how to get the device GPS positions. The GPS Receiver settings can be set in a specific vehicle in the portal->equipment management page.



	Modify Equi	pment				
	Equipment				Туре	
Trailer900	Name	Truck500			Trailer	2 ×
Truck500	Тур	• Vehicle		-	Vehicle	2 ×
Truck600	VIN Odometer Offse		340024608		Vehicle	1 ×
Truck601	License Plate	License Plat	te		Vehicle	e ×
arch Equipment			CANCEL	SAVE	Vahlata	
	1	2	3	×		
	4	5	6	Next		
	7	8	9			
		0				

An **Odometer Offset** allows driver or personnel to adjust the odometer so that the driver will see an odometer matches their dashboard, rather the engine odometer. Possible scenario is when the engine is replaced and the value is not yet synchronized.

Notes:

- Negative entry for odometer offset field is allowed.
- Odometer offset does not affect app screens like Roadside Inspection and Certified Logs PDF.
- If the saved offset is 100, and the logs have odometer values of 10, 20, 30, 40, will display to the driver 110, 120, 130, 140 (Odometer + Offset).
- If the offset is 100, and the driver edits an event to change the odometer from 140 to 130, will display 130 100 (the Offset) or 30 to the log.

When creating/modifying an equipment with a selected type of "Trailer", the VIN field is also enabled but is not required when saving. VIN field does not require valid format.

If the VIN is optionally populated and that the source is not the engine ECM, it will auto be converted to capital letters when saved.



← Manage Vehicles/Trail	ers				🛱 C 🕣
Vehicle disconnected					Connect X
Name	License Plate	VIN		Туре	
VEHOT	Create Equip	nent		Vehicle	2 ×
VEH02	Equipment			Vehicle	1 ×
	Name	Name			
VEH03	Туре	Trailer	*	Vehicle	2 ×
VEH04	VIN	VIN		Vehicle	1 ×
VEH05	License Plate	License Plate		Vehicle	1 ×
VEH06	State	None	•	Vehicle	2 ×
VEH07	1	CANCEL	ADD	Vehicle	2 ×
VEH08	VEH-X08	1G2WT54TXMF20336	50	Vehicle	1 ×
VEH09	VEH-X09	1G6AS5S38E016955	2	Vehicle	2 ×
Search Equipment					

				Connect
Name	License Plate	VIN	Туре	+ AD0
ААА	AAA 123	64DSDAWER23W6OMKI	Vehicle	1
BBB	BBB 123		Trailer	1
Truck 10	AS 4501	1542ASDE2033DW450	Vehicle	1
UpTest123	12YTU12	12345KILOP09520GH	Vehicle	1

Once the new vehicle or trailer has been added, it will be displayed in the *Manage Vehicles/Trailers screen.*

8 Documents

The Documents feature provides an easy way to capture, view and email documents related to hours of service activities. This includes documentation such as bill of lading, fuel receipts, accident photos etc.

There are a number of ways to access this feature:



8.1 Documents – Main Navigation Menu

	Hours of Service		<u>R</u> C +1
Veh			Connect X
	alfonso@yopx.com Tap to add or change driver		
Ê	Hours of Service	Alfonso Tran II	ROADSIDE INSPECTION
÷.	Job Sites	_	
٩	DVIR	AAN 2563	OPTIONS
*	Work Orders	None	
	Switch Equipment	None	
۵	Roadside Inspection		LOGS
	Documents	RECAP	
Ð	Fuel Receipts		DVIR
۰.	Settings		DVIK
0	Help & Support		
Ð	Logout	START BREAK	SHIFT/CYCLE





8.2 Documents – Options Menu

Options			₽ D M <u>₽</u>
SWITCH EQUIPMENT	SHIPPING DOCS	REMARK	LOGON CO-DRIVER
GAIN TIME	EXCEPTION	DATA TRANSFER	SWITCH CO- DRIVER
RETURN TO	HOS SCREEN	DOCL	IMENT

From the *Hours of Service Main Screen*, tap the Options button and then tap the *Document* button





Citation Jun 23, 2017

3 V



8.3 Adding Documents





 Add New Document

 Document Type:
 Catent

 Reference No:

 There:
 Noise:

Tap the **Add** button, the camera app will open and you can then take a picture of the document or damage etc.

After tapping the Capture Image button, tap the Save button to save the image and add it to your document. You can also discard the image if you are not happy with the picture by tapping the Retry button.

Select the type of document you wish to save by tapping the Document Type drop down list and selecting from the available options.

Enter your *Reference Number* Add any *Notes* to support the image.

Tap the **OK** button to save and continue or tap the **CANCEL** button to return without saving.



8.4 Editing / Deleting a Document





9 Add Fuel Receipts

The Fuel Receipt's feature provides an easy way to capture and view fuel receipts purchased related to hours of service activities.

9.1 Main Navigation Menu

	Hours of Service		💆 C 🕄
Veh	icle disconnected		Connect X
	alfonso@yopx.com Tap to add or change driver		
Ê	Hours of Service	Alfonso Tran II	ROADSIDE INSPECTION
•	Job Sites	_	
٩	DVIR	AAN 2563	OPTIONS
*	Work Orders	None	
	Switch Equipment	None	
٩	Roadside Inspection		LOGS
	Documents	RECAP	
	Fuel Receipts	NEO/I	DVIR
\$	Settings		
0	Help & Support		
÷	Logout	START BREAK	SHIFT/CYCLE

- 1. Slide the screen from left to right to show the Main Navigation Menu
- or 2. Tap the **Main Navigation Hamburger** icon to show the Main Navigation Menu
- 3. Tap on the Fuel Receipts button from the Main Hours of Service Menu



9.2 Fuel Receipts Screen



Note: You can change the documents' view to either "List View" or "Grid View".



9.3 Adding Fuel Receipts





Note: Unlike adding a document (e.g Citation or Bill of Lading), additional fields will be displayed when adding a Fuel Receipts.



Notes:

- If the state selected is in **US**, the odometer and volume unit display is in **Mi** & **Gallons**.
- If the state selected is in **Canada**, the odometer and volume unit display is in **KM** & **Liters**.
- For every Fuel Receipt created via the App Fuel Receipt feature, it creates a Remark event, found on the Edit Logs screen, with a note "Purchased 1.345 gallons at \$53.80 price (sample note for the above purchased).



After filling in all the fields you can now tap the **button** to successfully add the document. You can also tap the **button** to cancel adding the fuel receipt.

9.4 Editing or Deleting a Fuel Receipts



Tap the DELETE button to delete the fuel receipt completely.



10 Co-Drivers

10.1 Logon Co-Driver



DVIR

SHIFT/CYCLE

START BREAK

Service Main Screen will display Their log details.



						🖻 D 🖳 C
						Connect
tart	Time: 12AM			← Wed Nov 23, 201	$ \rightarrow $	CanS70hr7
М	1 36 3	4 5 6	7 8 9	10 11 N 1	2 3 4 5 6 7	8 9 10 11 MT
FF			13:38		3:55	1
SB		1	111.		1 1/25 1	· · · · · · · · · ·
D		1				
ON						
1 1				3 10.12	27 3 8 36 37	1
/iolat	ion: none			Exceptio		
-Driv	ers: green cross			Show	w all events	
	USED	01:42 AM	36	36 Hour Cycle Reset		
2	Remark	11:41 AM			Co-Driver(s): green cross	EC
3	Remark	11:41 AM			Authenticate	E
	ELD Logout	12:34 PM			ELD Disconnection	NO
4						

In addition, the Co-Driver's name is displayed in the daily logs which is placed under the grid chart.

<u>Team Driving</u>

When in Team Driving, The Co-Driver is allowed to review his/her information by having the "Access Co-Driver Logs" option on the lock screen which allows them to access the HOS dashboard and subsequently select the Logs option while the vehicle is still in motion.





Choose Driver	7				jc j0	Enter	er Author passwo	ord for j	@live.c		INCEL	ox			
john.doe+1@gmail.com j@live.com	CANCEL	1 -	2 [@]	3	#	4 /	0 5	×	6 ^	3	8	8 *	9	0)
		q	w	Г	е	r	Ŀ	t	у	ι	1	i	0	р	
			a	s	c	T	f	g	Т	h	j	Т	k	L	
		+	z	Т	x	с		v	b	r	1	m	,1	.?	
		Ctrl	Sym	T.	¢		-	_	Enc	plish(US)				•	1

See steps in 9.2 Switch Driver to complete process

Once the Co-Driver has successfully logged in, the main dashboard is displayed with the co-driver's information while setting the app in Review Mode with limited capabilities.

Review Mode

When in Review Mode the Co-Driver cannot receive or access:

- Driving Notifications and alerts which relates to the Driver
- Lock screen will not display even if the vehicle is in motion
- × Cannot switch vehicle
- Cannot change the current event in to Driving event
- Cannot update any preferences related to background services

When in Review Mode the Co-Driver can receive or access:

- ✓ Data Diagnostics and Malfunctions pop-up dialogs
- ✓ Pending Edit Request(s)
- Allow modifications on previous events
- Can edit current event to OnDuty ND, OffDuty & Sleeper except changing it into Driving

Notes: (When the vehicle is still in motion)

• Attempts to change the status to Driving will only display an error stating "Cannot change status while vehicle is in motion."

Error Currently driving, cannot switch vehicle	
	ок

• Attempts to Accept or Reject requested driving event is not allowed in a co-driver's account, instead an error dialog is displayed stating that "Only "Primary Driver" can switch to "Driving" as current status."



When a Co-Driver is on the Review Mode and that the vehicle is not in motion, an option to make the co-driver to become the Driver is available on the Drivers List.

← Hours of Service		면 C 년	
lara@gmail.com Tap to show view list lara@gmail.com scott@gmail.com	← C Lara Allexa-Smith	ROADSIDE INSPECTION	
+ Add Co-Driver + Make Driver	AAN 2564	OPTIONS	Once the "Make Driver" button tap, a confirmation dialog w display.
	RECAP	DVIR	
	START BREAK	SHIFT/CYCLE	
Hours of Service Iara@gmail.com Tap to atow view list ara@gmail.com	E Lara Allexa-Smith		If YES is tap, the VBL services will restart under the
icott@gmail.com + Add Co-Driver + Make Driver	AAN 2564	OPTIONS	 new primary driver's account If No is tap, the dialog w close.
	under this account, continue? NO RECAP	VES LOGS DVIR	<i>Note</i> : The "Make Driver" button w be disabled when the main driver is
	START BREAK	SHIFT/CYCLE	a Driving state, which will the display a label stating "Cann Change Driver While Driving".
← Hours of Service		면 C 년	
scott@gmail.com Tex to show view hat scott@gmail.com lara@gmail.com	E Scott Adams C	ROADSIDE INSPECTION	When the Driver switch to the Conditional Driver's account, in the
+ Add Co-Univer + Make Driver	Driver Authentication. Enter password for lara@gmail.com	OPTIONS	Authentication dialog an optic for the "Make Driver" is availabl
	CANCEL		
	START BREAK	SHIFT/CYCLE	

Note: A driver that is set as the Driver is the one currently using the application while the other one is only in the monitoring state.



Reassign Driving Time

The ELD allows the driver to reassign his driving time to a co-driver.

							* * * * 60% 6	
							Connect	
tart '	Time: 12AM			- Wed Nov 23, 2016			CanS7	Ohr7da
M F B			7 8 9	10 11 N 1	2 3 4			N Tot 17: 01:
	հեղեր հեղ		Reassign Drivi	ng Time				00:
	la al al al a	يليل الطيل	Note:	Automatic Transition	ı		37 381	00:
	on: none irs: green cross; Lhe Si		Select Driver:	lhesoo@x.com		*		
					CANCEL	ок	+ DXCEPT	
	ELD Login	07:16 PM		7mi N Mandan, ND	ELD Conne	otion		NOTE
	Driving	07:17 PM	01m	7mi N Mandan, ND	Automatic Tra	insition		EDIT
				7mi N Mandan, ND				NOTE
	Unid Diag	07:17 PM						

						Conn	ect X
tart '	Time: 12AM			← Wed Nov 23, 2016		Ca	
M FF	1 39 3		7 8 9		a norma no secon ver 1911		1 17:3
			Reassig	iving Time n Driving Time re you want to reassign this do	lving event?	1	
				_	NO YES		
40	ELD Login	07:16 PM		7mi N Mandari, ND	ELD Connection		NOTE
41	Drwing	07:17 PM	03m	7mi N Mandan, ND	Automatic Transition		1
42	Unid Dieg	07.17 PM		7mi N Mandan, ND			NOTE
	ELD Logout	07:18 PM		7mi N Mandan, ND	ELD Disconnection		1

Tap on the Edit button of the created auto driving event to display the Reassign Driving Time dialog. Select for the co-driver's name of the list.

Once the OK button is tap, it will display a confirmation dialog whether to proceed to reassign the driving time event.

- If YES is tap, the driving event will have recorded as an Inactive Changed (IC) event on the main driver's log
- If **No** is tap, the dialog will close and will not reassign the driving time.

Switch to the Co-Driver's account to check the Reassign Driving Time which will be displayed on the Pending Edit Request dialog.

- If Accepted, the driving event will be reassigned and recorded on the co-driver's log.
- If Rejected, the driving event will not be recorded under the codriver's log. However, it will be displayed as an Inactive Changed Rejected (ICJ) event (both Main and Co-drivers log).

Note: A Co-Driver is not allowed to accept or reject a requested Driving event. Only "Primary Driver" can switch to "Driving" as current status.



10.2 Switch Driver

⊑ D M X ← Options			* ≺ ₹94%02:12 ₽ D M ₽
SWITCH EQUIPMENT	SHIPPING DOCS	REMARK	LOGON CO-DRIVER
GAIN TIME	EXCEPTION	DATA TRANSFER	SWITCH CO- DRIVER
RETURN TO F	HOS SCREEN	DOCI	JMENT
D X Options			\$* 100% 0 1:13 ■ D 型 C •
hicle disconnected SWITCH EQUIPMENT	SHIPPING DOCS Choose Driver john.doe+2@gmail.com	REMARK	Connect
GAIN TIME	j@live.com	CANCEL	SWITCH CO- DRIVER
RETURN TO H	HOS SCREEN	DOCL	JMENT
ving screenshot Options	Warning: Location Serv	ice is currently disabled	e D e C
SWITCH EQUIPMENT	Driver Authentication Enter password for j@liv jc Show Password j(Make Primary Drive	/e.com	Connect LOGON CO-DRIVER
		CANCEL OK	
1 - 2 @ 3 # q w e	rty	yui	9 (0) Del 0 p 🚳
a s t z x Ctrl Sym 🌣		h j k b n m	, ! .? ↑



11 Shipping Documents

D M X Options			* ♥ ♥ 94% 0 2:12 戸 D M 型
SWITCH EQUIPMENT	SHIPPING DOCS	REMARK	LOGON CO-DRIVER
GAIN TIME	EXCEPTION	DATA TRANSFER	SWITCH CO- DRIVER
RETURN TO	HOS SCREEN	DOCU	JMENT

From the *Hours of Service Main Screen,* tap the *Options* button and then tap the *Shipping Docs* button.



Enter the *Bill of Lading* or *Manifest Number.*

Enter the *Shipper* or *Commodity*.

Tap the **OK** button to save the details.

Tap the **CANCEL** button to return without saving.



12 Add Remark

← Options			₽ D M ₽ :	
SWITCH EQUIPMENT	SHIPPING DOCS	REMARK	LOGON CO-DRIVER	From the <i>Hours of Service Main</i> <i>Screen,</i> tap the <i>Options</i> button
GAIN TIME	EXCEPTION	DATA TRANSFER	SWITCH CO- DRIVER	and then tap the Remarks button.
RETURN TO	HOS SCREEN	DOCL	UMENT	
- Options			p⊐ D M ⊈ :	
	Add Remark	f Road 🗌 Toll Road	DMD: Connect X	Enter the <i>Location</i> (optional).
	□ Of	f Road 🗌 Toll Road		Enter the <i>Location</i> (optional). Enter the <i>Remark.</i>
chicle disconnected	C Of	f Road Doll Road	Connect X	Enter the Remark. Tap the OK button to save the
chicle disconnected SWITCH EQUIPMENT 1 - 2 @ 3 #	C of Enter Location Enter Remark	CANCEL OK	Connect X LOGON CO-DRIVER	Enter the <i>Remark.</i>
hicle disconnected SWITCH EQUIPMENT	Content of	CANCEL OK	Connect X LOGON CO-DRIVER	Enter the Remark. Tap the OK button to save the
hicle disconnected SWITCH EQUIPMENT 1 - 2 @ 3 # q w e	enter Remark	CANCEL OK ^ 7 & 8 * / U i	Connect X LOGON CO-DRIVER	Enter the Remark. Tap the OK button to save the remark. Tap the CANCEL button to

Off Road / Toll Road Feature:

- When **Off Road** is enabled it will create a "Remark" with a note "Off Road". When uncheck it will create a "Remark" with a note "On Road"
- When **Toll Road** is enabled it will create a "Remark" with a note "Start Toll Road". When uncheck it will create a "Remark" with a note "End Toll Road"



13 Exempt Driver

If the Driver is an **Exempt Driver** or a driver that operates under the short-haul exemption (395.1 (e)), upon *logging in* or *logging out* a dialog will display confirming whether the driver chooses to continue as an exempt driver.



By selecting the OK button, the "**No Logs for Non-CDL-Driver Short-Haul Drivers operating within 150 air-miles**" exception will be enabled. You can enable Exempt Driver through these steps:

Login to Portal \rightarrow Go to the Drivers Management page \rightarrow Select on New Driver button or select the Edit driver button \rightarrow Enable the Exempt Driver option



14 Logout



Note: Once the "**Logout**" option is tapped, the valid driver that logged into the CyntrX ELD app will be logged out and the CyntrX ELD app will be close completely (with no CyntrX service or VBUS service running in the background).



15 Unidentified Driving Events

Unidentified Driving Events are events that are automatically recorded when a vehicle has been moving for more than 3 minutes while there is no driver logged in. These events are recorded under "**Unidentified Driver**" account. Unidentified Driving events can be accepted by actual drivers upon logging in to the app (within the Pending Request(s) window). However, the app prevents from Unidentified Driving for vehicle in **AOBRD** mode.



When the next Authenticated Driver logs in or logs out, this popup will then appear. In order for the Unidentified Driving Events to be reassigned, the logged in driver will be the one to accept the **Pending Edit Requests** of the Unidentified Driver.

Accept Event		
Do you really want to accept	this event?	
Event:	Driving	
Start:	Nov 22, 2016 01:39 PM	
Origin:	Personnel	
Note:		
Reason:	Incorrect Data Entered	
Odo:	2563 mi	
Enter annotation for this eve	nt	
		CANCEL C
		CANCEL

Note:

- Odometer field is displayed for edit request(s) made by the Personnel but it is displayed as Vehicle Miles field for edit request(s) made by the Unidentified Driver.

- The Unidentified Driving Event pending edit request dialog has additional details like: **From**, **To & Equipment ID** compared to that of the Personnel's pending edit request dialog.



16 Warning Features

Audible and Visible Warning

If the driver logged out from the app and the driver does not log onto the ELD, as soon as the vehicle is in motion, the ELD prompts a visual and audible warning reminding the driver to stop and login to the ELD.

ELD
david.jackson@gmail.com
Warning! You are not currently logged in, stop the vehicle
Tracking Service Stopped

An audible alert is also available that can be heard every couple of seconds.

The **visible warning** stays on screen which prevents the driver from using any features of the tablet except from accessing it through the driver icon on the *notification bar*.

Location Services

If the driver logged into the application without the Location Services turned on, a snackbar will display on the main dashboard and to other screens except for the screens navigated through the Settings menu. However, when the Location Services of the device is enabled then the snackbar will no longer display.



0. 🖬 D M X:		≉ 🗙 🛜 94% 🗷 2:10 PN	
		₽ D M ₽ :	
Vehicle disconnected		Connect X	
	9 John Doe Jr.	ROADSIDE INSPECTION	
	Truck102	OPTIONS	
Driving *	None		
		LOGS	
Time Remaining	RECAP		
07:46		DVIR	
Duty Time In Shift	START BREAK	SHIFT/CYCLE	
Warr	ning: Location Service is currently disa	abled	

Lock Screen

All warnings acquired by the authenticated driver while driving, will be displayed on the lock screen and remains on screen along with a countdown (to 00:00) being displayed however the text will dim down after 15 seconds to not distract the driver. The normal text color (black or white, depending on day/night mode) will be displayed upon tapping of the screen.



Note: If the driver stops driving while one of the checkbox is enabled the driver can still uncheck the "Off Road" or the "Toll Road" through the Options screen > Remarks.



17 List of Login Errors

These are the different error messages that appear upon an incorrect login. Follow the steps that follow to determine the cause of the error and to mitigate the problem.

Login Errors	Mitigation Steps
Authentication Failed. Check your network connection.	Ensure that the tablet/mobile phone is connected to a data network or Wi-Fi network.
Invalid user id or password.	Ensure that the email address and password are correct and valid. The password should match the valid email address.
A timeout error has occurred.	Ensure that the tablet/mobile phone is connected to a data network or Wi-Fi network with internet access. If issue persists, try again later or contact CyntrX support at <u>920-338-0479</u> or send an email to <u>sales@Cyntrx.com</u> .
An unknown error has occurred.	Contact CyntrX support at <u>920-338-0479</u> or send an email to <u>sales@Cyntrx.com</u> .
Username is required.	Ensure that the username field is not empty.
Password is required.	Ensure that the password field is not empty.
Login timed out.	Ensure that the tablet/mobile phone is connected to a data network or Wi-Fi network with internet access.
An error has occurred while	Try logging in after a few minutes and if error
creating the account. If the error	persists, contact CyntrX support at <u>920-338-0479</u> or
continues please contact CyntrX for assistance.	send an email to <u>sales@Cyntrx.com</u> .
An error has occurred while	Contact CyntrX support at <u>920-338-0479</u> or send an
retrieving account details.	email to <u>sales@Cyntrx.com</u> .
An error has occurred while	Contact CyntrX support at <u>920-338-0479</u> or send an
setting up the account. Please	email to <u>sales@Cyntrx.com</u> .
contact CyntrX for assistance.	
Check account configuration	Ensure that the driver and the asset are in the same Visibility Sets and has a role Driver role.
Error creating unidentified driver account	Try logging in after a few minutes and if error persists, contact CyntrX support at <u>920-338-0479</u> or send an email to <u>sales@Cyntrx.com</u> .



A non-driver accounts cannot be login as co-driver.	Ensure that the user account has a role Driver role. Personnel accounts are not allowed to log in as co- drivers.
Your CyntrX version is <current build version>. This version is no longer supported. Please upgrade to <latest build="" version=""> or greater for stable operation.</latest></current 	Upgrade the Application to the latest version.

