



LiveWatchCentral LiveDispatch

Technical Manual



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Revision:

v1.110816

This manual details LiveDispatch operating instructions for LiveWatch-Central as created by Compatible Technology & Security. The manual is divided into sections for each main module. Depending on your needs, just skip over the material in this manual that does not apply to your particular needs. The procedures in this manual assume your system has already been set up.

Related Materials and References

FMCSA Regulations

<https://www.fmcsa.dot.gov/regulations/title49/b/5/3>

Hours of Service (HOS)

<https://www.fmcsa.dot.gov/regulations/title49/b/5/3/list?filter=Hours+of+Service>

Vehicle Inspection

<https://www.fmcsa.dot.gov/regulations/title49/section/396.1>

Regulatory Compliance and Approvals

FMCSA Federal Register

<https://www.gpo.gov/fdsys/pkg/FR-2015-12-16/pdf/2015-31336.pdf>

Registered ELDs

<https://3pdp.fmcsa.dot.gov/ELD/ELDList.aspx>

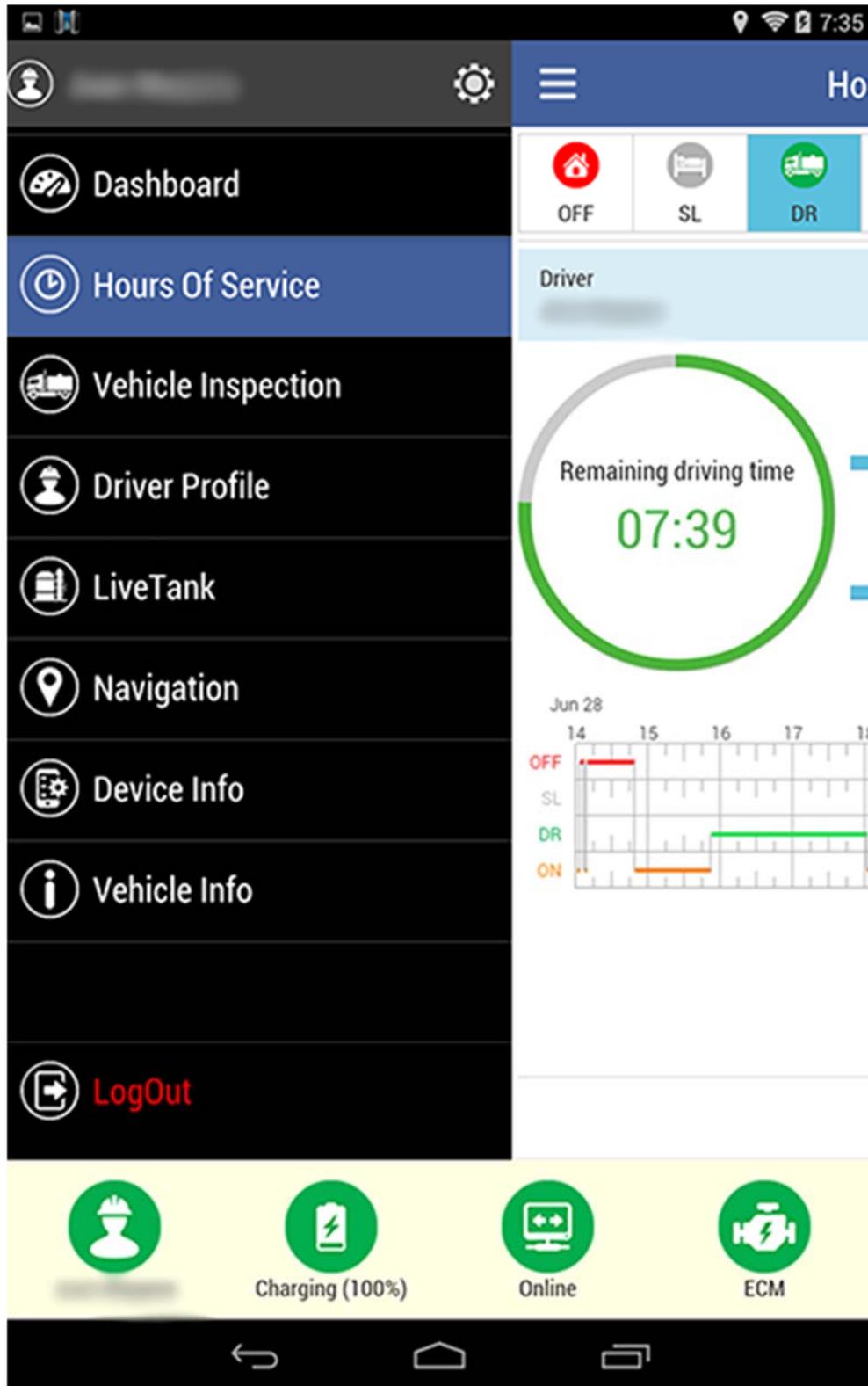
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Before using the Hours of Service (HOS) module on the tablet (ELD):

- Login using your user name and password.
- Confirm that the 'Login', 'Network' and 'ECM' icons have cycled from red to green at the bottom of the ELD screen, and the correct driver name is displayed below the 'Login' icon.

NOTE: A 10 HOUR RESET, OR 34 HOUR REST CYCLE (WHERE APPLICABLE) MUST HAVE OCCURRED BETWEEN SHIFTS, OR YOU WILL BE UNABLE TO LOG-IN TO THE HOS MODULE OF THE ELD. IF YOU ARE DENIED ACCESS TO HOS, CONTACT YOUR DIRECT SUPERVISOR IMMEDIATELY BEFORE PROCEEDING.

If any of the status icons do not cycle to green during this process, refer to the Troubleshooting section of this manual for help.



STEP 1: Select the 'Hours of Service' tab, from the ELD vertical menu:

NOTE: Statistical information, regarding your current duty cycle and a graphical chart detailing your hours will be displayed.

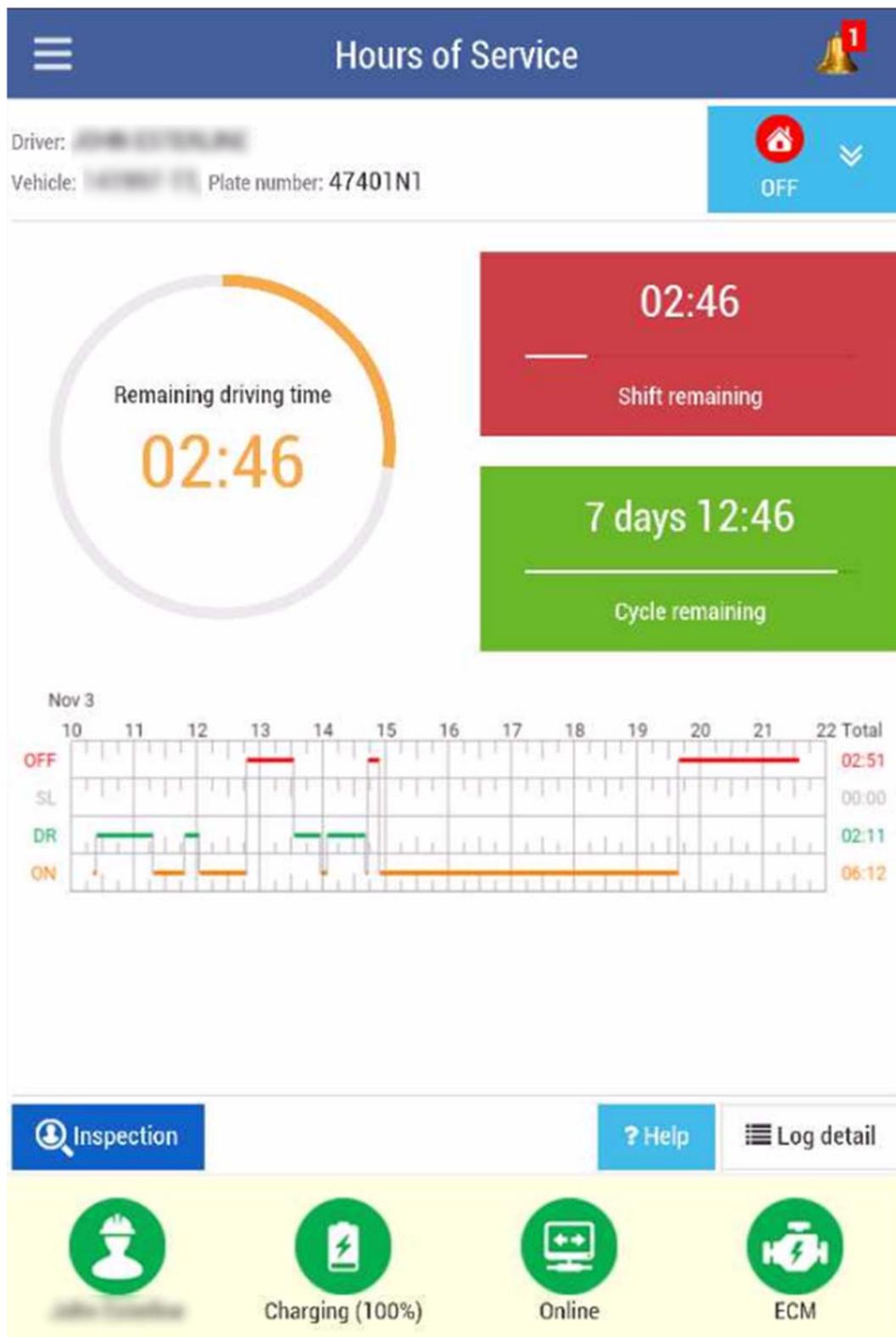
STEP 2: Immediately after logging-in, the HOS clock will begin calculating your shift status as 'On Duty' (ON)

STEP 3: Place the ELD in the 'in-cab' charging dock

STEP 4: Once the vehicle is in motion, your shift status will automatically change to 'On Duty-Driving (DR)

NOTE: When the vehicle comes to a stop and is placed in Neutral, or the ignition is no longer in the 'RUN' position, your shift status will automatically change to 'On Duty' (ON)

NOTE: If the vehicle is NOT in motion, you can manually change your duty status to 'On Duty', by tapping on the (ON) icon, in the Hours of Service menu.



After carefully reviewing the details of your daily log, and confirming that all necessary corrections have been made then you may begin the 'Log out/certify driver log' process:

STEP 1: Confirm that the 'Online' icon has cycled to green, on the ELD.

STEP 2: Tap on the 'Certify' button, on your HOS display.

STEP 3: Electronically provide your signature in the pop up window.

NOTE: A default signature will display. To create a new signature, tap on the 'Create New Signature' button.

STEP 4: Tap "Save", to complete your daily log.

STEP 5: You will automatically be logged out of the ELD.

Special Note: All driver log activities (except "On Duty - Driving" within prior shifts and cycles are editable within the maximum of current 8 days (60-hour/7-day and 70-hour/8-day limits).

Hours of Service

Nov 1

Day	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
OFF														00:00
SL														00:00
DR														06:59
ON														08:22

Truck 141997-TT - Trailer(s): 0219-T | Co-driver: N/A

- On Duty (00h:16m)** 1087 Madison Lane, Salinas, CA 93907, USA (3:50 AM - 4:06 AM)
- Driving (02h:18m)** 1101-1199 Calle Del Adobe, Salinas, CA 93907, USA (4:06 AM - 6:24 AM)
- On Duty (01h:22m)** 22600-22948 South Kasson Road, Tracy, CA 95304, USA (6:24 AM - 7:47 AM)
- Driving (00h:56m)** I-5, Tracy, CA 95304, USA (7:47 AM - 8:43 AM)
- On Duty (00h:05m)** 12860 Santa Nella Blvd, Gustine, CA 95322, USA (8:43 AM - 8:47 AM)
- 5-11382 Pacheco Pass Hwy, Gilroy, CA 95020, USA
- 11020 Commercial Parkway, Castroville, CA 95012, USA
- 156, Castroville, CA 95012, USA

Sign | Create New Signature

Submit | Cancel

Certify

Charging (100%) | Online | ECM

HOS Summary Mode

A. Information of Driver and Vehicle

B. Duty Status button

C. Current Shift/Cycle Counter - shows the remaining drive time (DR) for the current shift, and the balance of your shift cycle in days/hours/minutes.

D. HOS time grid - provides shift detail for all of the current HOS activity.

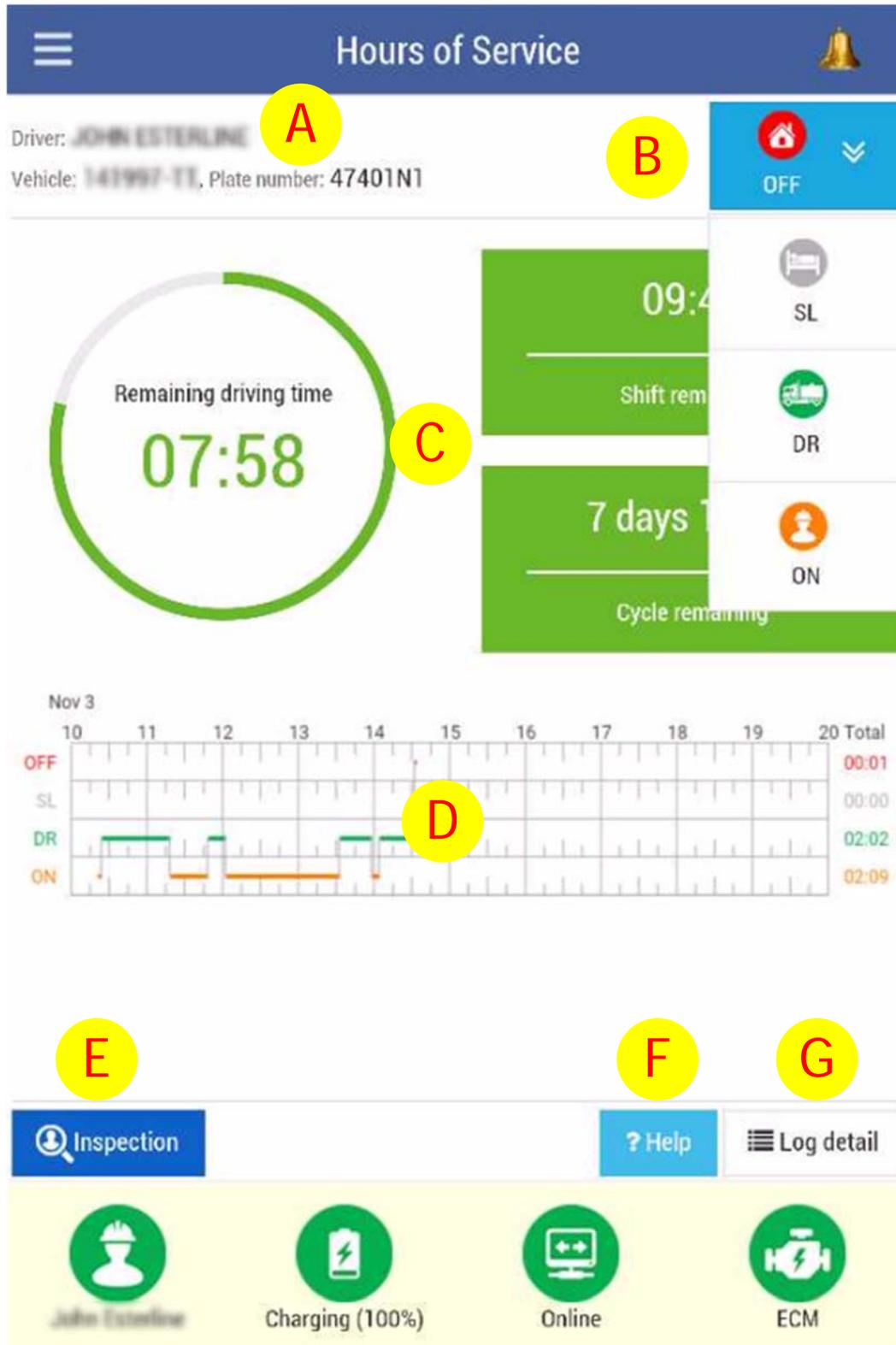
NOTE: In 'Driver Mode' the start time will be shown as the log in time to the ELD.

E. Inspection - Law Enforcement Inspection

NOTE: In 'Inspection Mode' the start time will be displayed from midnight to midnight on a 24 hour time grid.

F. Help - HOS Guide

G. Log Detail - Review HOS driver log activities.



To review HOS activities details, click “Log details”

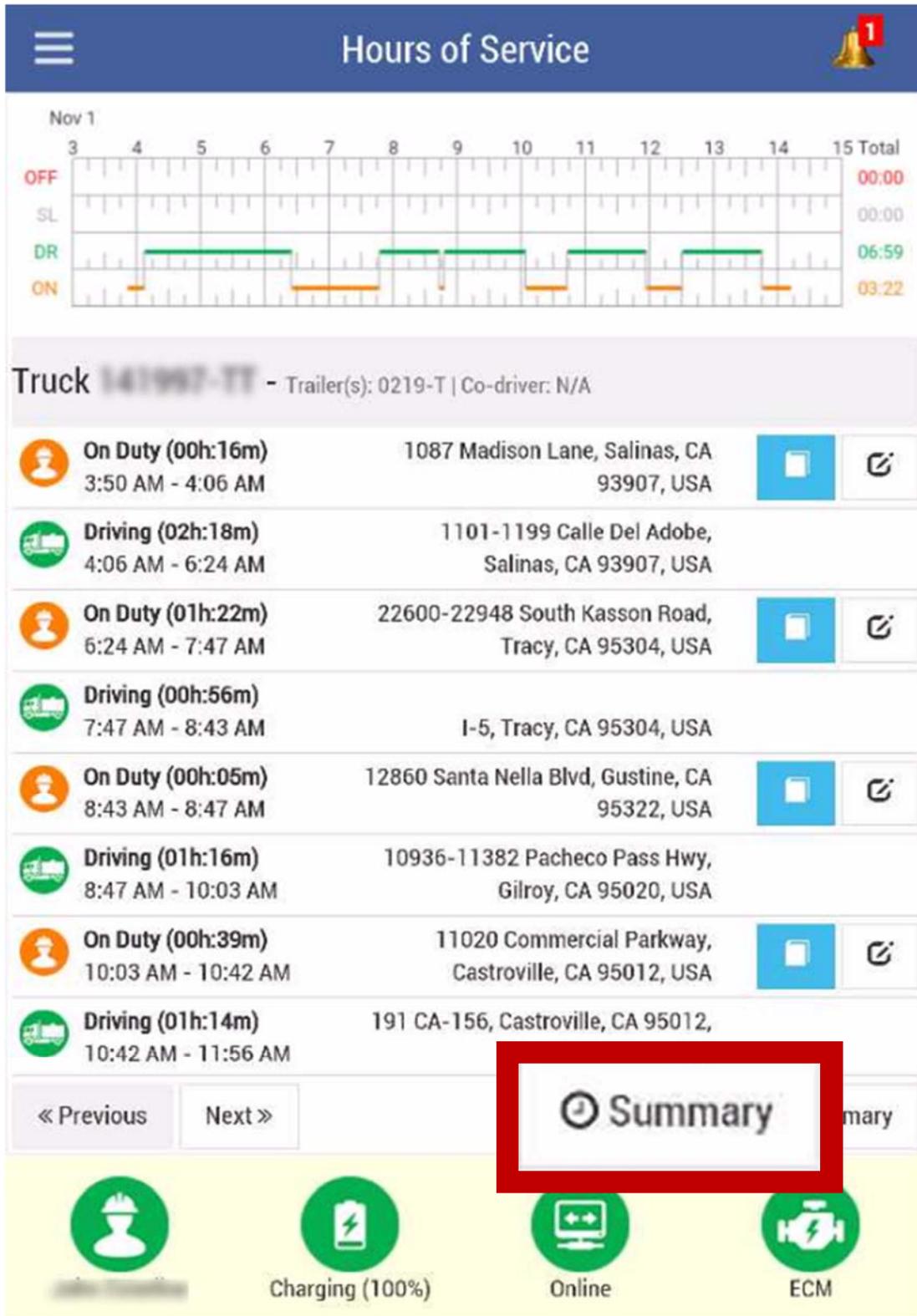


As soon as the driver logs in to start the HOS shift, the first activity will default to be [On Duty].

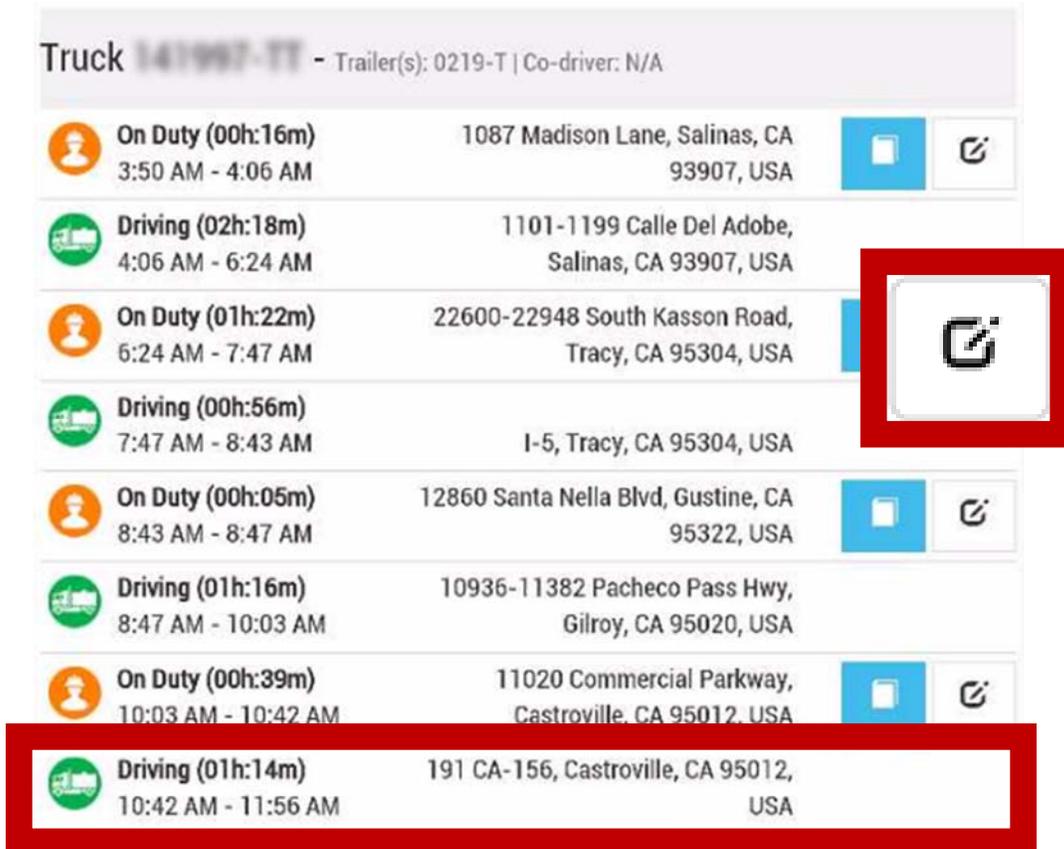
When the vehicle starts moving, activity will change to [Driving] automatically. When the vehicle stops moving, activity will change back to [On Duty].

All other related information such as mileage, time starts, time stops and geolocation are calculated automatically by the ELD.

To go back to Driver log summary, tap on [Summary] button.



Step 1: To edit HOS activities, tap on the [Edit] icon.



Step 2: Notice that activity logged from ECM for [Driving] is not editable. All other activities are editable.

Step 3: Adjust time slider for [Start time], [End time] and /or change [Duty Status] as driver sees fit. Any special notes can be added as well.

Step 4: Tap [Save] button to save.

The screenshot displays the 'Hours of Service' application interface. At the top, a blue header bar contains a menu icon, the title 'Hours of Service', and a notification bell icon with a red '2' badge. Below the header, the date 'Nov 1' is shown. A grid represents the 24-hour cycle, with columns numbered 3 through 18. The grid tracks four activity types: OFF (red), SL (grey), DR (green), and ON (orange). A blue vertical bar highlights the time period from 10:03 to 10:42. To the right of the grid, a 'Total' column shows the cumulative time for each activity: OFF 00:00, SL 00:00, DR 06:59, and ON 03:22.

Below the grid, a modal window is open with two tabs: 'Edit Activity' (highlighted with a red border) and 'Split Activity'. The 'Edit Activity' tab shows a blue horizontal bar representing the selected activity period from 10:03 to 10:42. Below this bar, there is a 'Duty status' dropdown menu currently set to 'On Duty', and a 'Note' text area. At the bottom of the modal are 'Save' and 'Cancel' buttons.

At the bottom of the application, a yellow bar contains four status icons: a green person icon, a red battery icon labeled 'Unplugged (97%)', a green computer icon labeled 'Online', and a green truck icon labeled 'ECM'.

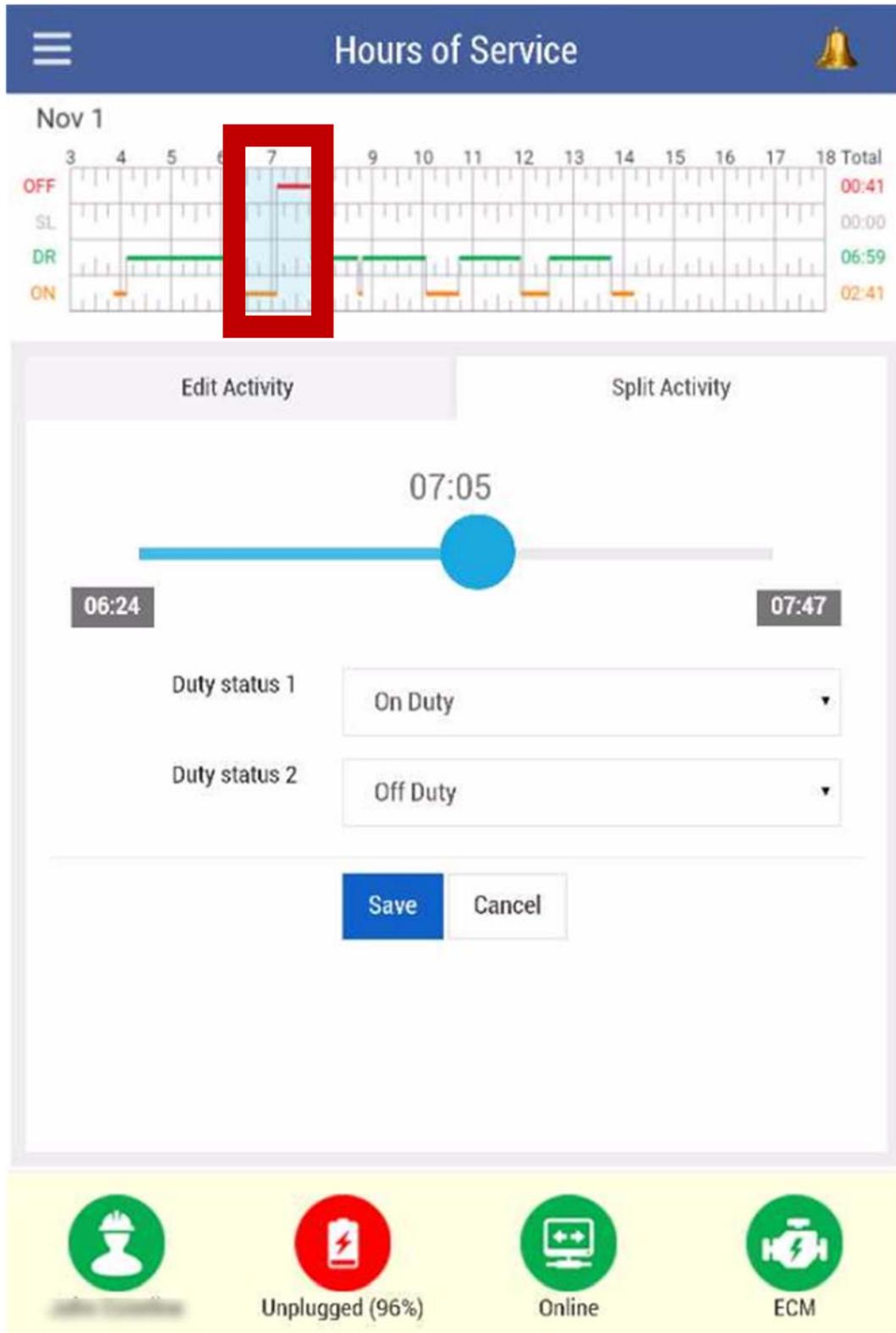
Step 1: To split HOS activities, tap on the [Edit] icon, then [Split Activity]

The screenshot displays the HOS interface for a truck. At the top, it shows the truck ID '141997-TT' and trailer information. Below this, there are two activity entries: 'On Duty (00h:16m)' from 3:50 AM to 4:06 AM at 1087 Madison Lane, Salinas, CA, and 'Driving (02h:18m)' from 4:06 AM to 6:24 AM at 1101-1199 Calle Del Adobe, Salinas, CA. A red box highlights an edit icon (a pencil) next to the first activity. Below the activity list is a 'Hours of Service' chart for Nov 1, showing a timeline from 3 AM to 18 AM. The chart has four rows: OFF (red), SL (grey), DR (green), and ON (orange). A red box highlights the 'Split Activity' button at the bottom right of the chart area.

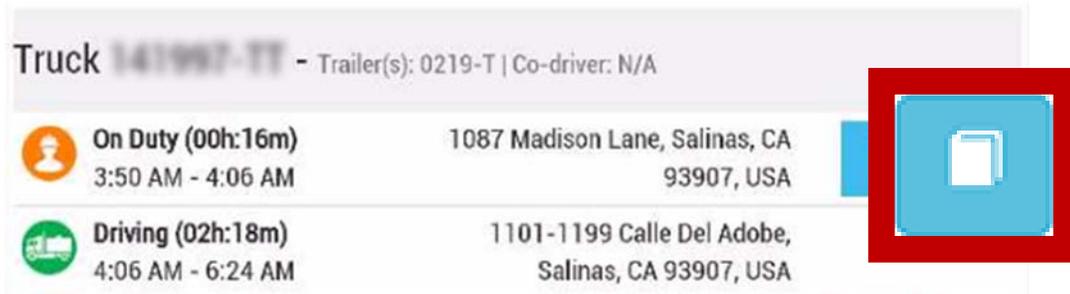
Step 2: Notice that time for selected activity is being split in half, use timeline slider for adjustment.

Step 3: Adjust "Duty Status 1" and "Duty Status 2" for duty status as driver sees fit.

Step 4: Tap [Save] button to save.



Step 1: To add documents or supporting data related to a specific HOS activity, tap on [Document] icon.



Step 2: Choose [Type] then enter document name and note information as driver sees fit.

Step 3: Images can be added by selecting tapping on the camera icon.

Step 4: Tap [Save] button to save.

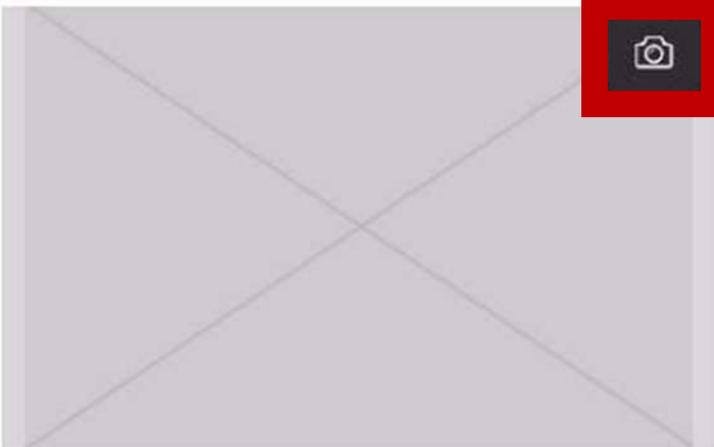
 Hours of Service 

HOS Document

Type:

Name:

Note:

Picture: 

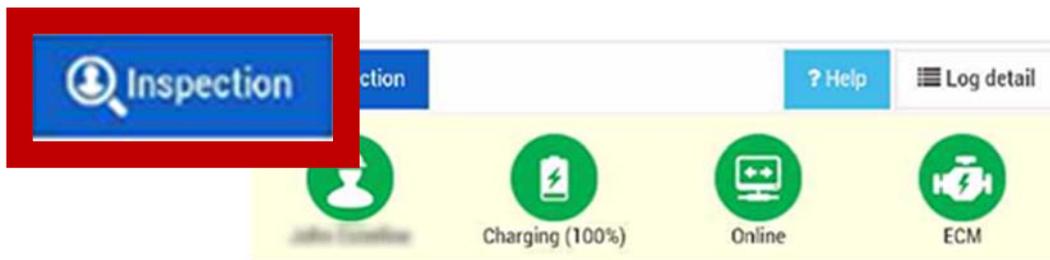
  Charging (92%)  Online  ECM

The [Inspection] icon provides law enforcement personnel a viewable format for HOS logs.

In the event of a roadside inspection, or mandatory log review:

STEP 1: Remove the ELD from the in-cab charging dock

STEP 2: Tap the [Inspection] icon on the ELD display

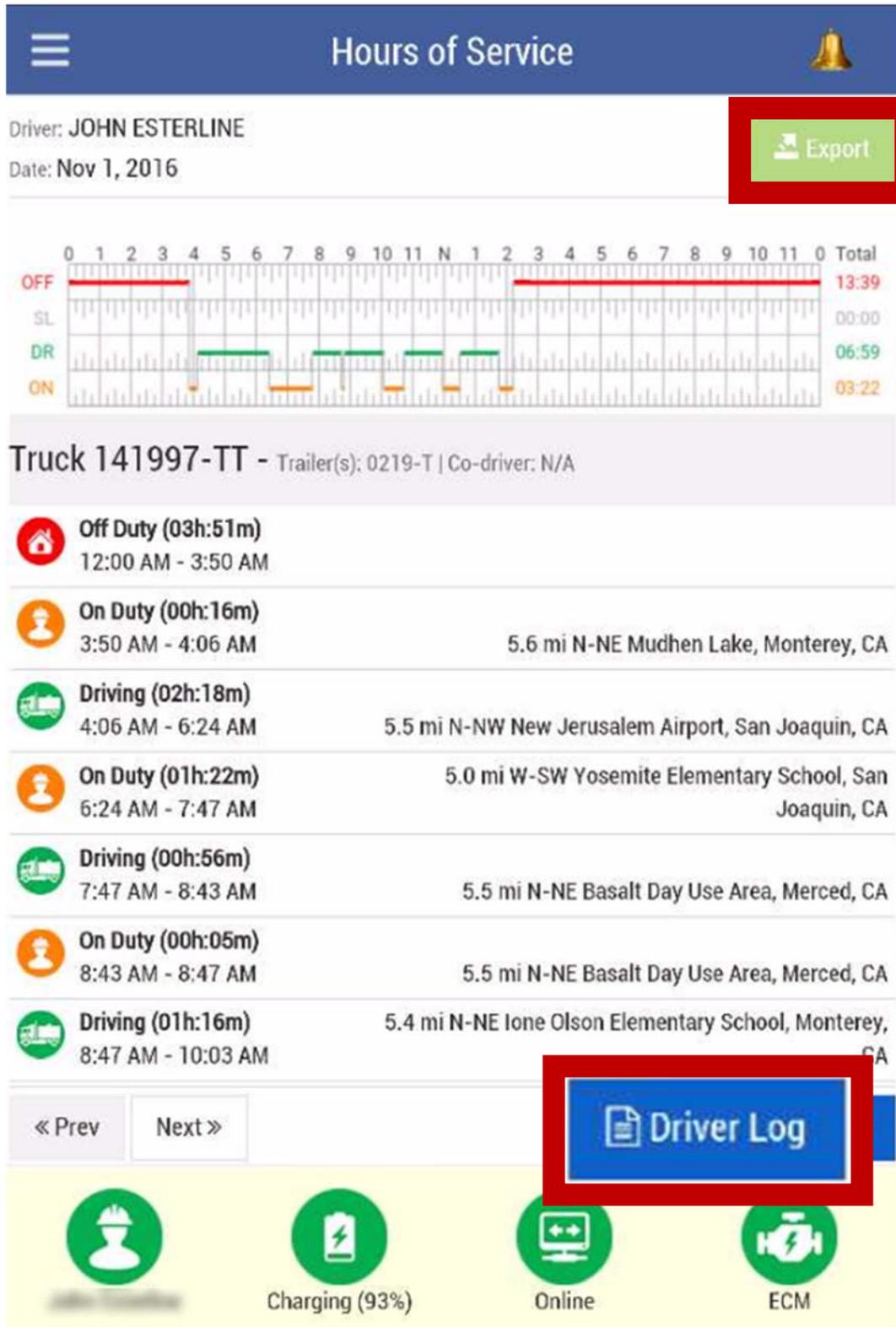


STEP 3: Hand the ELD to the law enforcement officer

NOTE: The following ELD [Inspection] display options differ from those of the [Driver] display:

- The time grid is displayed in a 24 hour format
- HOS activities are not editable
- GPS locations are approximate distances. Rather than physical addresses

By request, an [Export] option is provided, for the purposes of exporting last eight (8) consecutive duty logs. The process is conducted through the ELDs USB port, or email. Tap [Driver Log] to go back to HOS summary.



Symptom: [Network] icon shows "Offline", the ELD does not have a network connection. Try the following:



Step 1: From the ELD vertical menu, tap on [Device Info], check "Wi-Fi Status" to confirm the ELD is connected to Access Point.

Step 2: Tap on ELD home button  -> System App  -> Setting  ->

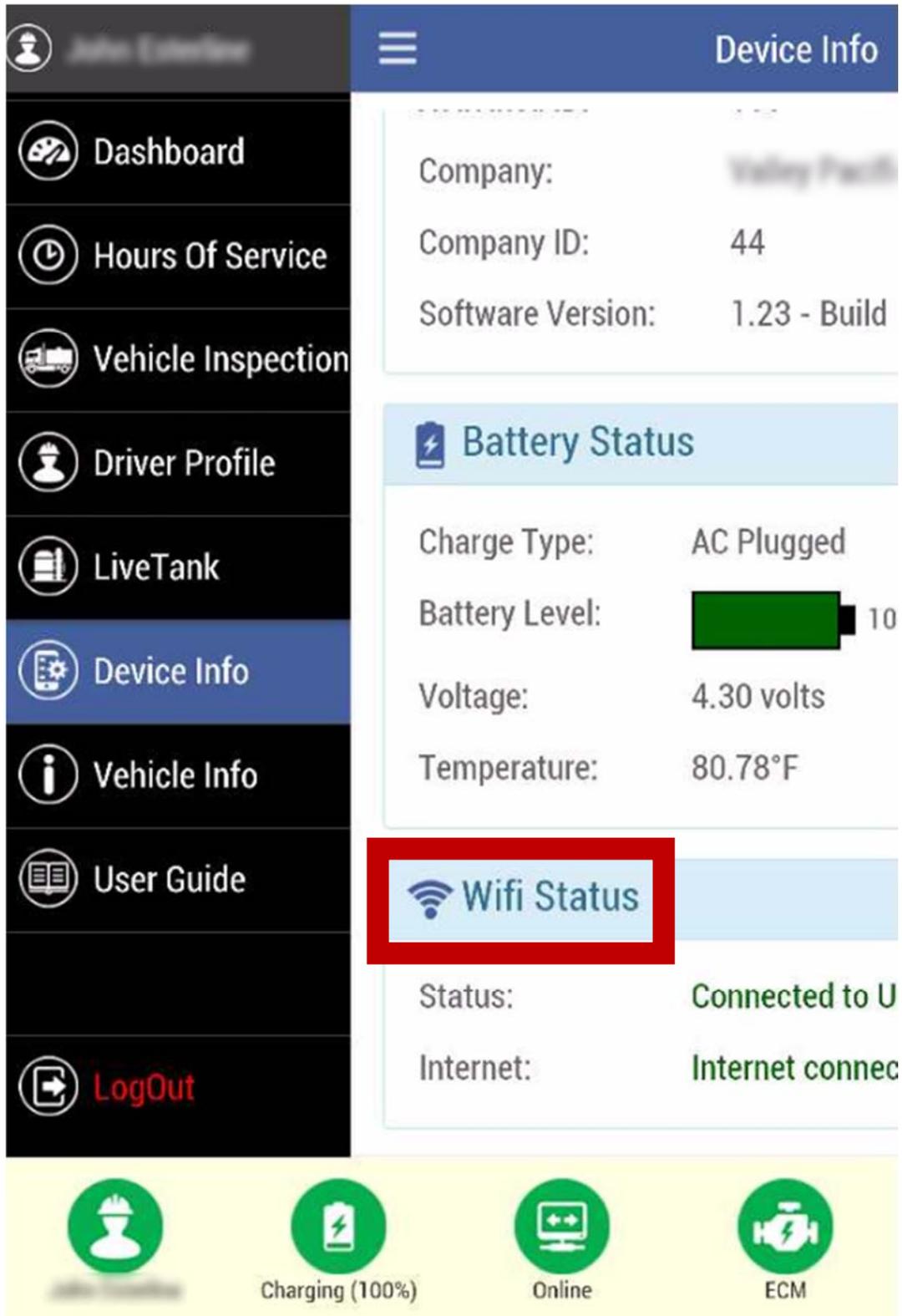
Wi-Fi 

Step 3: Make sure ELD is connected to either terminal Wi-Fi or truck Wi-Fi.

If ELD is already connected to Wi-Fi and [Network] is still shown "Offline", try resetting LiveDispatch application with the following steps:

Step 1: Tap on ELD Multi-App button  -> terminating application by "sliding" "liveDispatch" application to the right.

Step 2: "liveDispatch" application should be automatically started within 20 seconds.



Symptom: [ECM] icon shows in “red”, ELD may have lost connection to vehicle ECM (Engine Control Module). Try the following:



Step 1: From the ELD vertical menu, tap on [Vehicle Info], check “Vehicle On-board Diagnostics” to see if there is any data shown for Engine Speed, Odometer, Engine Hours, and Vehicle Speed.

Step 2: If there is no data in Step 1, verify if ELD is connected to truck Wi-Fi. If truck Wi-Fi is connected and ECM is still not connected, try re-starting LiveDispatch application.

Step 3: If none of the above works and problem persists, **CONTACT YOUR DIRECT SUPERVISOR IMMEDIATELY AND SWITCH TO MANUAL LOG BOOK FOR HOS PURPOSE.**

The screenshot displays a mobile application interface for vehicle management. On the left is a dark sidebar menu with icons and text for: Dashboard, Hours Of Service, Vehicle Inspection, Driver Profile, LiveTank, Device Info, Vehicle Info (highlighted in blue), User Guide, and LogOut. The main content area has a blue header with a hamburger menu icon and the text 'Vehicle Info'. Below this is a light blue section titled 'Vehicle On-board Diagnostics' containing a table of metrics: Engine Speed (1333.5 rpm), Odometer (326068.8), Engine Hours (7613 hours), and Vehicle Speed (58.02 mph). This table is enclosed in a red rectangular border. Below the diagnostics is another light blue section titled 'Location Info' with Latitude (37.79614987) and Longitude (-122.2255552). The next section is titled 'Tanker' and lists Name, License Plate, and Registration Fee. At the bottom is a yellow status bar with four green circular icons: a driver profile, a battery with a lightning bolt labeled 'Charging (100%)', a computer monitor labeled 'Online', and a truck with a lightning bolt labeled 'ECM'.

Vehicle On-board Diagnostics	
Engine Speed:	1333.5 rpm
Odometer:	326068.8
Engine Hours:	7613 hours
Vehicle Speed:	58.02 mph

Location Info	
Latitude:	37.79614987
Longitude:	-122.2255552

Tanker	
Name:	
License Plate:	
Registration Fee:	

Charging (100%) Online ECM



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