



Electronic Logging Device (ELD)

Last Update: October 10, 2017

ELD Mandate

- Federal Regulation for monitoring of driver Hours of Service
 - [FMCSA §395 Subpart B](#)
 - HOS rules:
- Deadline for implementation: December 17, 2017
- Impacts Interstate commerce only
- Required for motor carriers who are currently required to keep Records of Duty Status (RODS)
- Exemptions
 - 100 air mile
 - 150 air mile

ELD Mandate Requirements

- Integrally synchronized to the CMV for data retrieval:
 - Vehicle On/Off
 - Odometer
 - Engine Hours
 - VIN (if available)
- Self monitoring
- Data Transfer capable
- Provides two types of user accounts:
 - Driver
 - Support Personnel
- During an inspection, the ELD Records Display must be viewable without entering the vehicle.
- Automatically records:
 - Date and Time
 - CMV geographic location
 - Engine hours
 - Vehicle miles
 - Driver or authenticated user identification data
 - Vehicle identification data
 - Motor carrier identification data
 - Engine Power Status
 - ELD Diagnostic / Malfunction Events
 - Unidentified Driver time
- In Vehicle User Manual
- 6 months of data retention

Client Setup Requirements

- CMV Information:
 - VIN
 - Current/Required Hardware
 - GNX-5P
 - JBox
 - ECM Cable
- Support Personnel:
 - Identify desired ELD personnel to perform:
 - User Account Creation/Control
 - ELD Truck Configuration
 - Audit/Review ELD Records
- Driver Information:
 - Driver's License Number and State
 - Is driver ELD exempt?
 - Allowed Drive Time Usage
 - Yard Moves
 - Allows for CMV move within a yard not counting against driving time.
 - Duty Status: On Duty Not Driving
 - Personal Use
 - Allow for CMV to be used for non-work related driving.
 - Duty Status: Off Duty

Driver Responsibility

(How does their day change?)

- Routine:

- Manually update Duty Status as needed.
 - Critical to perform this after login and before logout to ensure proper recording of hours.
- Certify their ELD Records.
- Review support personnel edits to their ELD Records.
- Review and claim applicable unidentified driver records.
- Understand how to respond to “Still Driving?” pop up message.

- Enforcement Agent Inspection:

- Must understand how to display their ELD Records, along with Duty Status Graph, to enforcement agents when required.
- Must understand how to initiate transferring of their ELD Records to enforcement agents when required.

Driver Responsibility (How does their day change?)

- Data Diagnostic Event:

- Not all Data Diagnostic events require action.
- Must know how to respond to unidentified driver records Data Diagnostic events.
- Must know what to enter for Position Compliance events.

- Malfunction Event:

- All Malfunction events require written notification to the motor carrier within 24 hours.
- Specific Malfunctions will require the hand recording of the driver RODS along with reconstructing the RODS for the current 24 hour period and the previous 7 consecutive days.

Motor Carrier Responsibility

- Respond to unit Malfunction Events
 - 8 day requirement to repair, replace, or service a malfunctioning ELD.
 - The timer begins when the motor carrier discovers a Malfunction event or upon receipt of the driver's written notification.
 - The motor carrier can request an extension through the FMCSA.
 - Follow troubleshooting guide provided by ELD manufacturer.
- Review records of unidentified driving and perform one of the following actions:
 - Annotate the record, explaining why the time is unassigned; or
 - Assign the record to the appropriate driver to correctly reflect the driver's hours of service.



Questions?

Any questions, please reach out to us at 630.518.4606.