

## **Electronic Logging Devices - ELD**

All Commercial Motor Drivers (vehicles 10,001 CGVW and over) must use the Electronic Logging Devices (ELD) by December 16, 2017.

The exceptions are as follows:

- Drivers who use paper RODS for not more than 8 days during any 30 day period.
- Drivers who conduct driveaway-towaway operations, where the vehicle being driven is the commodity being delivered.
- Drivers of vehicles manufactured before model year 2000.

**The required supporting documents must have the following information on them:**

- Driver name or carrier-assigned identification number, either on the document or on another document enabling the carrier to link the document to the driver, or the vehicle unit number if that number can be linked to the driver;
- Date;
- Location (including name of nearest city, town, or village); and
- Time.

**Eight supporting documents must be maintained each day for each drivers as follows:**

- Bills of lading, itineraries, schedules, or equivalent documents that indicate the origin and destination of each trip;
- Dispatch records, trip records, or equivalent documents;
- Expense receipts;
- Electronic mobile communication records, reflecting communications transmitted through a fleet management system (FMS); and
- Payroll records, settlement sheets, or equivalent documents that indicates payment to a driver.

## **The Electronic Logging Devices must meet the following criteria:**

### **Integral Synchronization:**

Integral synchronization interfacing with the CMV engine ECM, to automatically capture engine power status, vehicle motion status, miles driven, engine hours.

### **Recording Location Information:**

Require automated entry at each change of duty status, at 60-minute intervals while CMV is in motion, at engine-on and engine-off instances, and at beginning and end of personal use and yard moves.

### **Graph Grid Display:**

An ELD must be able to present a graph grid of driver's daily duty status changes either on a display or on a printout.

### **HOS Driver Advisory :Messages**

HOS limits notification not required. "Unassigned driving time/miles" warning provided upon login.

### **Device "Default" Duty Status:**

On-duty not driving, when CMV has not been in motion for 5 consecutive minutes, and driver has not responded to an ELD prompt within 1 minute. No other nondriver initiated status change is allowed.

### **Clock Time Drift:**

ELD time must be synchronized to UTC, absolute deviation must not exceed 10 minutes at any point in time.

### **Communications Methods:**

Two Options:

1- Telematics: As a minimum, the ELD must transfer data via both wireless Web services and wireless email

2- "Local Transfer": As a minimum, the ELD must transfer data via both USB 2.0 and Bluetooth

Both types of ELDs must be capable of displaying a standardized ELD data set to authorized safety officials via display or printout.

**Resistance to Tampering:**

ELD must not permit alteration or erasure of the original information collected concerning the driver's ELD records or alteration of the source data streams used to provide that information.

ELD must support data integrity check functions.

**Identification of Sensor Failures and Edited Data:**

ELD must have the capability to monitor its compliance (engine connectivity, timing, positioning, etc.) for detectable malfunctions and data inconsistencies. ELD must record these occurrences.

All electronic logging device manufactures must register their device with the FMCSA and must be approved. Carriers can only use approved devices.

Please contact us for any questions or if we can be any assistance.

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