Electronic Logging Devices

Federal Motor Carrier Safety Administration
Are you subject?

- If a driver is currently required to prepare a paper record of duty status, the driver is required to use an ELD.

- UNLESS, the driver or commercial motor vehicle meets one of the limited exemptions...
Exemptions

● Existing exemptions such as short haul and agricultural commodities

● 100 air-mile radius drivers

● 150 air-mile radius non-CDL freight drivers

● Required to prepare paper RODS for not more than 8 days during any 30-day period

● Conducting “drive away-tow away” operations – when the vehicle is the commodity including towing recreational vehicles

● Driving vehicles manufactured before model year 2000
Starting December 18, 2017, for those companies subject to the rule, only ELDs, and AOBRD compliant devices are allowed.
Compliant ELD Devices

● **Must** be registered on the FMCSA Registration site
  – Tips for choosing a Compliant ELD device
    – Use due diligence when purchasing equipment

● Consider your operations an when choosing an ELD
  – Device Architecture
    ● Hardwire or BYOD
    ● Telematics or Local only
## Registered ELD Devices

The listed devices are self-certified by the manufacturer. The Federal Motor Carrier Safety Administration does not endorse any electronic logging devices.

<table>
<thead>
<tr>
<th>Device Name</th>
<th>Model Number</th>
<th>Software Version</th>
<th>ELD Identifier</th>
<th>Company</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1 ELD by HOS247</td>
<td>FLT3</td>
<td>2.5 and up</td>
<td>247ELD</td>
<td>HOS247 LLC</td>
<td>415-839-9977</td>
<td><a href="mailto:hello@hos247.com">hello@hos247.com</a></td>
</tr>
<tr>
<td>Locus ELD</td>
<td>ELD001</td>
<td>1625.6,584 or higher</td>
<td>ELD001</td>
<td>Locus GPS</td>
<td>(888) 643-6862</td>
<td><a href="mailto:info@locusgps.com">info@locusgps.com</a></td>
</tr>
<tr>
<td>1.0 TruxBox ELD</td>
<td>TTB-100</td>
<td>3.0.1 and higher</td>
<td>TTBELD</td>
<td>TruxTrax Inc.</td>
<td>1-877-515-5888</td>
<td><a href="mailto:sales@truxtrax.com">sales@truxtrax.com</a></td>
</tr>
</tbody>
</table>
ELD File Validator

Instructions
1. Click on “Browse...” to select the file you want to test.
2. Click “Check.”
3. Review results.
4. Resolve any issues.
5. Repeat as necessary until validator confirms no issues.

Tips

START SMALL
For your first try, use a simple output file with two or three events. This will help identify any basic issues that need resolving before more complex problems can be identified.

CHECK OFTEN
The File Validator may not catch all issues on the first run. Be sure to run your file through the validator after issues have been resolved, as this may uncover additional issues.

Note: The File Validator will only validate the technical specifications of an ELD file; not the file’s content. Compliance with FMCSA’s Hours of Service or other regulations will be determined by enforcement personnel’s interpretation of the data after it has successfully transferred through FMCSA’s systems.

Request a user account with FMCSA to stay up to date on new enhancements.

Upload your file
File: Browse... No file selected. Check

Submit Feed
Transition

- ELD in use prior to December 18, 2017 can be moved into a new vehicle.
- New capacity required ELD (no stockpiling).
- Key Point: Previous 7 days must be on vehicle in some form.
Data Transfer

● Option 1: Telematics
  – Web Services
  – Email

● Option 2: Local Option
  – Bluetooth
  – USB

● Vendor chooses 1 option, enforcement chooses 1 from each option
Data Transfer

ELD → INTERNET → BLUETOOTH → FMCSA WEB SERVICES → FMCSA → ERODS

INTERNET → EMAIL → USB
eRODS

Electronic Record of Duty Status (eRODS)

Daily Header
- Prev 02/08/2017  Next
- CMV Power Unit #: MA12345
- Start/End Engine Hour: 1810.3 ~ 1814.4
- Unidentified Driving Time: 01:00:00
- Malfunctions: Power
- CMV VIN: 1D4HS5NN03F561599
- Start/End Odometer: 622083 ~ 623113
- Certified by Driver: Yes
- Data Diagnostics: None
- Shipping Document Number: 19475A
- Miles Driven: 230

Record of Duty Status

Filter the HOS graph by checking/unchecking the boxes
- Change in Duty Status
- Intermediate Log
- PC/YM
- Engine Power
- Login/Logout

Events  Potential Violations
Display Screen and Printout

OR
Got Questions?

● Email: ELD@DOT.GOV

● ELD Website: https://www.fmcsa.dot.gov/hours-service/elds/electronic-logging-devices