

# ELECTRONIC LOGGING DEVICE (ELD)

## Helpful information to assist with choosing the right ELD system for your requirements.

An Electronic Logging Device {ELD} is an electronic device designed to comply with FMCSA's criteria to accurately record a drivers driving time for Hours of Service compliance. The International Registration Plan {IRP} and the International Fuel Tax Agreement {IFTA} each allow the use of electronic devices to document vehicle distance by jurisdiction provided the required supporting data are maintained for audit purposes.

The purchase of an ELD does not necessarily mean it will be compliant for IFTA and IRP purposes or vice versa. Beware of vendors stating that their systems are IFTA or IRP certified. There is no such certification. See the chart below for some of the key differences and similarities between an ELD and a compliant IFTA/IRP electronic records device.

| DISTANCE DATA<br>Collection<br>Elements                                                                                                 | Electronic Logging Device (ELD)<br>For Reporting Hours of Service                                                                                                                                                          | Electronic Logging Device (ELD)<br>IFTA / IRP Compliant<br>Effective 1/1/2024                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Original GPS or other location data for the vehicle to which the records pertain                                                        | Required                                                                                                                                                                                                                   | Required                                                                                                                                                                                                                                                                                                                                                                |
| Frequency of GPS Readings, date & time stamps, and distance recording requirements.                                                     | Location readings: <ul style="list-style-type: none"> <li>• Every 60 minutes</li> <li>• Every change of duty status</li> <li>• Engine on/Off at a precision of one mile when On-Duty and 10 miles when Off-Duty</li> </ul> | A record must be created and maintained at a minimum of every 10 minutes (IFTA)/15 minutes (IRP) <u>when the vehicle's engine is on</u> that includes: <ul style="list-style-type: none"> <li>• Date and time</li> <li>• Latitude and Longitude that includes a minimum of 4 decimal places</li> <li>• Odometer reading from the ECM (Engine Control Module)</li> </ul> |
| Beginning and ending reading from the odometer, hubodometer, engine control module, or similar device                                   | Required                                                                                                                                                                                                                   | If ECM odometer is not available, a beginning and ending dashboard odometer or hubodometer for the trip will be acceptable.                                                                                                                                                                                                                                             |
| Engine Hours                                                                                                                            | Required                                                                                                                                                                                                                   | Not Required                                                                                                                                                                                                                                                                                                                                                            |
| Distance By Unit Each Hour Period                                                                                                       | Required                                                                                                                                                                                                                   | Not Required                                                                                                                                                                                                                                                                                                                                                            |
| Unit Number {ID}                                                                                                                        | Power Unit and Trailer                                                                                                                                                                                                     | Power Unit Only – Vehicle Identification Number or Company Assigned Unit Number may be provided.                                                                                                                                                                                                                                                                        |
| Registrant s {Company} Name                                                                                                             | Required                                                                                                                                                                                                                   | Required                                                                                                                                                                                                                                                                                                                                                                |
| Driver Name/ID                                                                                                                          | Required                                                                                                                                                                                                                   | Not Required                                                                                                                                                                                                                                                                                                                                                            |
| <b>Carrier Responsibilities</b>                                                                                                         |                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                         |
| Retain all data for audit purposes                                                                                                      | 6 months                                                                                                                                                                                                                   | IFTA: 4 years - IRP: up to 6.5 years                                                                                                                                                                                                                                                                                                                                    |
| <b>Minimum Device Requirements</b>                                                                                                      |                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                         |
| Certification that the device meets the requirements.                                                                                   | Carrier must select self-certified devices from the FMCSA website.                                                                                                                                                         | Carrier responsibility to select a device that meets IFTA/IRP requirements. IFTA/IRP DO NOT certify devices/systems.                                                                                                                                                                                                                                                    |
| <b>Reporting Requirements</b>                                                                                                           |                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                         |
| A monthly summary of the fleets operations that includes distance traveled during a quarter, in total, by vehicle, and by jurisdiction. | Not Required.<br><i>Reporting is by Driver, not unit or fleet</i>                                                                                                                                                          | Must be provided upon due notice                                                                                                                                                                                                                                                                                                                                        |
| Differentiate distance recording accuracy between personal vehicle use and commercial use.                                              | Required                                                                                                                                                                                                                   | No distinction; <u>all travel</u> must be documented.                                                                                                                                                                                                                                                                                                                   |
| Report driver hours of service violations.                                                                                              | Required                                                                                                                                                                                                                   | Not Required                                                                                                                                                                                                                                                                                                                                                            |
| Provide data in an electronic spreadsheet format that is accessible such as XLS, CSV or delimited text.                                 | As outlined in FMCSR Part 395 - Appendix A Section 4.8 ELD Outputs.                                                                                                                                                        | Required                                                                                                                                                                                                                                                                                                                                                                |