

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 Collection Elements	Electronic Logging Device (ELD) For Reporting Hours of Service	Electronic Logging Device (ELD) IFTA / IRP Compliant 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"> • Every 60 minutes • Every change of duty status • Engine on/Off at a precision of one mile when On-Duty and 10 miles when Off-Duty 	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"> • Date and time • Latitude and Longitude that includes a minimum of 4 decimal places • Odometer reading from the ECM (Engine Control Module)
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
Carrier Responsibilities		
Retain all data for audit purposes	6 months	IFTA: 4 years - IRP: up to 6.5 years
Minimum Device Requirements		
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.
Reporting Requirements		
A monthly summary of the fleets operations that includes distance traveled during a quarter, in total, by vehicle, and by jurisdiction.	Not Required. <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