



A  
**DECISION-MAKER'S  
GUIDE TO  
ELD**

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The FMCSA's ELD Mandate takes effect from the third week of Dec.2017. Here's how to ensure you are in compliance by then.

Not just that, you should get acquainted with the eDVIR requirements in a wayside inspection. Most importantly, there are various ways in which your ELD solution can boost productivity in your fleet, reduce its liability, and help to achieve better customer service.



## What is a compliant Electronic Logging Device?

A device that necessarily monitors the vehicle's engine operation detects if the engine is on or off, whether the vehicle is stationary or moving, how many miles driven, and for how long the engine has been running.

At regular intervals, the Electronic Logging Device(ELD) automatically creates a record of trip information such as date and time; location; engine hours and vehicle miles. The record will also contain the driver ID, authenticated user, and carry details of the vehicle and the motor carrier.

Further, the ELD should be registered with the FMCSA and fulfill all FMCSA requirements for electronic vehicle inspection records.

The eDVIR requirements are part of the ELD mandate which requires drivers to electronically transfer the records for the last 7 days and the current day to an inspector. The primary methods of doing so are either telematically through a web address or an email account, or locally through a USB 2.0 or a bluetooth® connection.

# What are the benefits in Fleet Operation from an ELD?

**Assign drivers and utilize their availability:** Your fleet's dispatchers can use the system to gauge driver availability in an exact way and will be able to assign drivers based on remaining HOS. It's valuable to find a driver who can take up and deliver an assignment within HOS regulations, which you can only if you know where all your resources are at any given point in time, so you have the power to pick from among them.

Now you can aim to maximize the driver's hours, without running afoul of FMCSA limits. Remember, one-third of fatalities and injuries from large truck accidents are related to fatigued truck drivers.

**Fuel Tax:** An eLog system can store all data pertaining to routes and mileage as well as fuel purchase data and compile the IFTA reports - in less time and effort.

**Operational Simplicity:** You want a simple DVIR process - one that fulfills all FMCSA requirements for electronic vehicle inspection records and does away with the bother of maintaining paper records. Drivers commence faster and save valuable pre-trip time.

The inspection report itself can be used automatically for scheduling repairs, and mechanics can start the process of attending to the repair requirements. The driver receives a notification when the repair has been carried out.

**Time-saving for drivers:** Drivers have appreciated the neat clarity of the ELD display. For a rapid review of wipers, brakes, lighting and the steering mechanism and more, there's a handy eDVIR checklist.



## What else does the Driver need to have at hand when the device is installed?

The four items in the information packet in the Cabin are: a user manual for operating the ELD; an instruction sheet on how the ELD data can be transferred and also how to produce information to an authorized safety official; steps for the driver to take in the event of any ELD malfunction; and an adequate supply of blank driver's records to manually register the information pertaining to records of duty status (RODS) graph-grids for a minimum of 8 days.

A driver should note the failure of the device and reconstruct his/her logs - for the current day as well as the previous 7 days. They can carry on with handwritten logs until the device is set right. The fleet manager should be kept informed in writing within 24 hours.

## How long are the Hours of Service data collected from the device to be retained?

Motor carriers are required to retain ELD record of duty status (RODS) data and backup data for a period of six months. ELD records must be backed up on a device that is independent of the main data storage.



## How do fleet businesses gain from an eLog solution, apart from complying with the ELD Mandate?

As many fleet tracking customers have already discovered, there are multiple business gains. A survey of tens of thousands of vehicles operated by Azuga's customers shows fuel savings of up to 15%, reductions in unauthorized vehicle use of 12% and productivity increases of 10%.

- » **Get better output.** Azuga's customers report higher productivity through more accurate tracking of time at job sites, stoppage, travel time, and time wasted due to route diversions.
- » **Reduce your liability.** Reduce miles driven, risky driving behaviors, and unauthorized use of vehicles and equipment, dramatically lowering risk. Because ELDs aid a driver in maintaining an accurate trip report with fuel records, in turn, it becomes easier for fleet administrators to comply with IFTA and IRP rules and to renew vehicle registrations.

- » **Utilize resources better.** Travel time estimates to reach a job site become more accurate. This helps in vehicle allocation and dispatch decisions.
- » **Organize your maintenance.** Handy for documenting driver vehicle inspections and for reviewing vehicle maintenance schedules.
- » **Recognize your best performers.** Azuga has been an industry trendsetter with its Driver Rewards Program which helps organizations incentivize performance by evaluating Driving Scores. The scores directly reflect the driver's behavior on key parameters such as acceleration, braking, speeding, and idling, taking into account the prevailing weather. True to its credo, "When drivers compete, everyone wins" Azuga is advising customers on reducing driver attrition, improving productivity, and improving safety.

## A single trick, or one-stop shop?

The number of vendors cropping up offering ELD solutions has been unprecedented. Many of them are new. And they do only one thing. The desire to locate (GPS and more) never goes away. We recommend looking for a one-stop shop that has powerful enterprise-grade GPS tracking, Mobile apps, ELD and the ability to track assets (battery-powered devices). You never know when you need what part of a solution and it's good to know that you can grow with your vendor as your business needs evolve.



## About Azuga

Azuga is a leading global connected vehicle platform, helping our customers turn data from vehicles and their use into intelligence that improves operations and safety while reducing cost and risk. Azuga provides reliable end-to-end solutions for commercial fleets, government agencies, insurance companies and automotive industry suppliers, through leading hardware technology, the Azuga One platform, award-winning fleet applications and data analytics.

Our award-winning Azuga Fleet solution is used by thousands of businesses—from the small fleet of a few vehicles up to several thousand—and is lauded by our customers for its ease-of-use, robust features and affordable pricing. Azuga is headquartered in San Jose, California, with offices across the globe.

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