Electronic Logging Devices: Improving Safety Through Technology

WHAT IS THE ELD RULE?

FMCSA aims to make highways safer for all drivers. One danger on the road is fatigued driving, which leads to hundreds of crashes and deaths each year. The ELD rule, which requires the adoption of electronic logging devices, is the latest step to address fatigued driving among drivers of large trucks and buses. ELDs will make it easier to enforce existing HOS regulations, which remain unchanged. The ELD rule is required under MAP-21.

Who is covered by the ELD rule?
The ELD rule applies to the vast majority of large trucks and buses on the road. There are exemptions, for a complete list see www.fmcsa.dot.gov/hours-service/elds/eld-fact-sheet.

ELD = Electronic Logging Device
CMV = Commercial Motor Vehicle
HOS = Hours of Service*

*Hours-of-Service regulations specify how long a driver can operate a CMV and how long drivers must rest before operating again.

HOW DOES AN ELD WORK?

An ELD synchronizes with a vehicle’s engine to automatically record a driver’s off-duty and on-duty time and securely transfer HOS data to a safety official.

1. RECORD
   ELD synchronizes with CMV engine to automatically record data.

2. CERTIFY
   Driver certifies records, making any necessary annotations.

3. TRANSFER
   Upon request, driver starts data transfer. Data is routed to safety official using secure methods.

4. REVIEW
   Data file is sent to safety official with potential HOS violations flagged for review.

Making Roads Safer

1,844 CRASHES AVOIDED ANNUALLY
563 FEWER INJURIES PER YEAR
26 LIVES SAVED EACH YEAR

FMCSA | Office of Communications | 202-366-9999 | FMCSA.publicaffairs@dot.gov | www.fmcsa.dot.gov/hours-service/elds/electronic-logging-devices

More information on the statistics listed here can be found in the Executive Summary of the ELD Final Rule.
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**HOW DO ELDS IMPROVE EFFICIENCY?**

- **Improved Accuracy**
  ELDs replace handwritten paper logs currently in use, improving the accuracy of the data recorded.

- **Safer Operations**
  By holding drivers and their companies accountable to critical HOS regulations, ELDs help create a safer work environment, ensuring that drivers take the breaks they need.

**Saving Carriers Time and Money**

- **$570 million**  
  SAVED ANNUALLY IN CRASH REDUCTIONS

- **$2.4 billion**  
  SAVED ANNUALLY IN PAPERWORK

- **$1.2 billion**  
  NET ANNUAL SAVINGS

**FMCSA is committed to a successful implementation of ELDs by ensuring that drivers, their companies, and ELD providers have all the information they need to stay compliant with the ELD rule.**

**HELPING CARRIERS STAY COMPLIANT**

- **Compliance Deadline: December 18, 2017**
  Companies subject to the rule must adopt ELDs for all affected vehicles.
  Carriers that have installed other electronic devices prior to the compliance date will have an additional two years to upgrade to or adopt ELDs.

- **Supporting Carriers and ELD Providers**
  **Educating carriers**
  https://www.fmcsa.dot.gov/ELD
  To help motor carriers comply with the ELD rule, FMCSA has created an online resource with checklists, FAQs, brochures, fact sheets, training materials, and more.

  **Supporting manufacturers**
  https://csa.fmcsa.dot.gov/ELD
  ELD providers must self-certify and register their devices with FMCSA through the ELD Provider Portal, a password-protected section of the ELD provider website. The site also serves as a central online location for providers to access all things ELD.

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