


Texas Department of Public Safety
Commercial Vehicle Enforcement

Electronic Logging Device (ELD) Rule

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Definitions


Paper RODS – Log Book

Logging Software – a computer software program of application on a phone or tablet that does not comply with 395.15. Not connected to the engine data. An electronic version of a paper log.

AOBRD – Automatic On-board Recording Device, complies with 395.15. Connected to the engine data. Automatically records the drivers duty status

ELD – Electronic Logging Device – a device that automatically records a driver's driving time and meets the requirements in the new subpart B of Part 395

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Overview of the Electronic Logging Device Rule (ELD) Mandate

Final rule publication date was December 16, 2015

<u>AOBRD</u>	<u>ELD</u>
Automatic on-board Recording Device	Electronic Logging Device
FMCSR 395.15	FMCSR Subpart B 395.20 – 395.38
Current Regulation	New regulation

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AOBRD and Devices with Logging Software & Applications

AOBRD (49 CFR 395.2 & 395.15)


- Integrally synchronized
- Automatically records driving status

Device with logging software and/or application

- Not integrally synchronized
- Manually input driving status
- Logging software regulatory guidance 395.8 Q28



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What is an ELD?

A device that will;

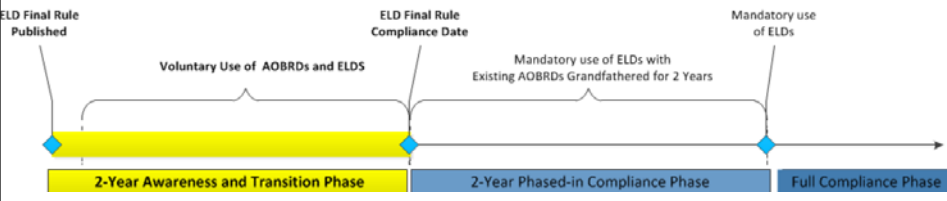
- Automatically record a driver's driving time
- Facilitate the accurate recording of drivers HOS
- Meets the technical specifications of the ELD rule
- Is integrally synchronized with the engine of the CMV

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ELD Transition

Effective Date February 16, 2016	Compliance Date December 18, 2017	Full Compliance Date December 16, 2019
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Implementation Phase 1

ELD	AOBRD	Logging Software	Paper
Yes	Yes	Yes	Yes

February 16, 2016 to December 18, 2017

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Implementation Phase 2

ELD	AOBRD	Logging Software	Paper
Yes	Yes	*	*

December 18, 2016 to December 16, 2019

* Vehicles & carriers that are exempt for ELD rule can continue to use paper RODS

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Implementation Phase 3

ELD	AOBRD	Logging Software	Paper
Yes	No	*	*

Effective December 16, 2019

* Vehicles & carriers that are exempt for ELD rule can continue to use paper RODS

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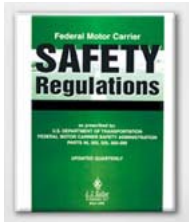


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ELD Rule

- Requires new technical specifications for ELD's
- Mandates ELD's for drivers currently using RODS (there are exceptions)
- Clarifies supporting document requirements
- Provides protection for drivers from being harassed by carriers



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ELD Display Requirements


Visible Display

Daily Header

Graph Grid

Detail Log Data

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ELD Daily Header

Record Date	USDOT #	Driver License Number	Driver License State	ELD ID	Trailer ID
20-Nov-14	123456789	D000368210361	IL	987654	Unit #
Time Zone	Driver Name	Co-Driver Name	ELD Manufacturer	Shipping ID	Data Diagnostic Indicators
CST	Smith, Richard		Acme ELDs	BL1234567890	No
24 Period Starting Time	Driver ID	Co-Driver ID	Truck Tractor ID	Unidentified Driver Records	ELD Malfunction Indicators
Midnight	1234567		Unit #	No	No
Carrier	Start End Odometer	Miles Today	Truck Tractor VIN	Exempt Driver Status	Start End Engine Hours
Acme Trucking	39564 - 39984	420	1M2P267YSAM022445	No	758.2-765.7
Current Location	File Comment			Print/Display Date	
6 mi. NE North Auburn, CA				20-Nov-14	

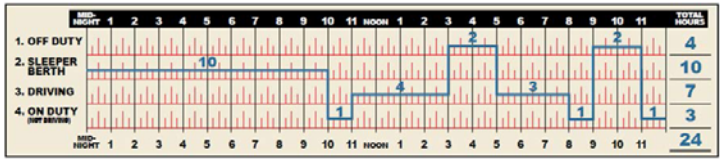
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24-Hour Duty Status Grid



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Detail Data Log

Time	Location	Odometer	Eng Hours	Event Type/Status	Origin
20-Nov-14					
0:00	49 mi NNE Fallon, NV	39564	758.2	SB	Driver
10:00	49 mi NNE Fallon, NV	39564	758.2	Login	Driver
10:00	49 mi NNE Fallon, NV	39564	758.2	ODND	Driver
10:52	49 mi NNE Fallon, NV	39564	758.2	Power Up	Auto
11:00	49 mi NNE Fallon, NV	39564	758.2	Driving	Auto
12:00	2 mi E Fernley, NV	39624	759.3	Int Location	Auto
13:00	7 mi NNE Truckee, CA	39684	760.3	Int Location	Auto
14:00	6 mi SSE Meadow Vista, CA	39744	761.3	Int Location	Auto
15:00	3.5 mi SW Davis, CA	39804	762.3	Off Duty	Driver
17:00	3.5 mi SW Davis, CA	39804	762.3	Driving	Auto
18:00	1 mi E Emeryville, CA	39864	763.4	Int Location	Auto
19:00	4 mi SSW Univ. of California, CA	39924	764.4	Int Location	Auto
20:00	6 mi NE North Auburn, CA	39984	765.5	ODND	Driver
21:00	6 mi NE North Auburn, CA	39984	765.7	Off Duty	Driver
23:00	6 mi NE North Auburn, CA	39984	765.7	ODND	Driver
23:58	6 mi NE North Auburn, CA	39984	765.7	Cert	Driver
23:58	6 mi NE North Auburn, CA	39984	765.7	Logout	Driver

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ELD Technical Requirements 395.26

When elements are recorded
Date
Time
Location information
Engine hours
Vehicle miles
Driver or authenticated user
Vehicle
Motor Carrier

When data is captured
Change of duty status
Intermediate recording (1 per hour)
Special driving (personal or yard)
Certification of log
Log in
Log out
Engine power up
Malfunction & data diagnostic event

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ELD User Accounts


All drivers and support personnel must have a unique user name and password

Driver account must include DL information to provide unique ID

Driver account must not have administrative rights




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Driver ELD Updates


Driver must have the ability to add/update

- Update CMV number
- Update trailer number
- Shipment information



Output comment – Used by roadside enforcement to add a key word or phrase when requesting a data transfer. Supports up to 60 characters


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ELD Driver Interaction – Fixed Mounted

Portable (including hand-held)

ELD's must be in a fixed and mounted position during operation



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ELD Automatic Duty Status Changes


Driving time is automatically calculated

Records driving time when vehicle reaches 5 MPH


Device requires an alert if the vehicle stops moving for 5 minutes

Defaults to "On-Duty" if no driver entry occurs within 1 minute

Other automatic duty status settings are prohibited



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ELD Special Driving Categories


The motor carrier can enable access for the driver to use two other types of driving

Authorized personal use of CMV (PC) – Off duty

Yard moves – On Duty, Not Driving



 

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Roadside Display Requirements

It is required that ELD RODS be shared in one of two way roadside
Choice of the driver/carrier


 

Printout

Screen Display

Visible to enforcement at a reasonable distance without entering the cab

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Roadside Data Transfer

FMCSA has developed a standard by which roadside enforcement will examine the electronic HOS beyond the required screen display or in-cab printout

An enforcement application (to be developed by FMCSA) will receive raw data from the ELD


Raw data will be transferred to the inspectors computer and all "required" information will be displayed

This will be a one step process



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ELD Transfer Methods



Option1 – Telematics Transfer Methods


- Web Services
- Email



Option 2 – Local Transfer Methods

- Bluetooth
- USB 2.0







ELD provider will determine the option, and the enforcement officer will determine which method within that option

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Drivers Currently Using RODS

All drivers that are required to maintain RODS must comply unless exempted

Exemptions


Short Haul Driver Exemption (100 air-mile drivers)
 May only use paper logs up to 8 days in any 30 day period
 Any Short Haul Driver that uses a paper log for more that 8 days in a 30 day period must install an ELD

Driveaway-towaway operations
 Vehicle driven is the commodity being delivered (RV exemption)

CMV manufactured before year model 2000

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ELD Rule Summary


ELD rule is being phased in
 Voluntary use of ELD's began on
 February 16, 2016

Compliance date is 2 years after rule was
 published (December 18, 2017)

AOBRD's compliant with 395.15 that were installed before the compliance
 date can be grandfathered for 2 additional years (December 16, 2019)


AOBRD's must be upgraded or replaced with ELD's by December 16, 2019

For now, drivers can meet the HOS requirements by using paper logs,
 logging software, an AOBRD, or an ELD



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Texas ELD Rule 4.12


Texas DPS adopted the ELD rule for intrastate operations

Between now and December 16, 2019 intrastate operations can use any one of the four record of duty status recording options

- Paper logs
- Electronic Apps
- AOB RD
- ELD

After 12/16/2016 carriers must convert to ELD's unless able to claim an exception

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FAST ACT – Ready-mixed Concrete


Concrete ready-mixed trucks can expand the short haul log book exception from 12 hours to 14.

Interstate


- 11 hours driving inside the 14 hour shift
- 10 hours off between shifts
- 100 air-mile radius
- Record keeping requirement (CR function only)

Intrastate

- 12 hours driving inside the 14 hour shift
- 8 hours off between shifts
- 150 air-mile radius
- Record keeping requirement (CR function only)



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**FAST ACT – 30 Minute Break
(Interstate Only)**


30 minute break provision applies only to interstate operations

New regulations exempt certain operations from this requirement

- Transportation of commercial bees
- Ready-mixed concrete
- Transportation of livestock

Other carriers and operations may have temporary exemptions



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FAST ACT – RV in Driveaway-towaway

Towing vehicle is exempt from ELD

Does not have to be part of the driveaway-towaway shipment



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Questions?

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