

**The Company Vehicle DVIR Data file includes:**

- DVIR reports recorded no more than 30 days from the last download.

**The Company Vehicle DVIR Data file name structure is:**

- Only created by the RoadLog: Carrier\_CompanyID\_TractorNumber\_yymmddhhmmss.CVD
- CompanyID: the USDOT number.
- yymmddhhmmss: time the file is created.

**COMPANY CONFIGURATION SESSION FILE**

The Company Configuration Session file contains configuration session data recorded by RoadLog during company log sessions. The file is created by RoadLog whenever a user requests its download on a Driver Key or Fleet Key belonging to the logged in company.

**The Company Configuration Session File includes:**

- The last 100 calibration sessions records.

**The Company Configuration Session File name structure is:**

- Only created by RoadLog: Carrier\_CompanyID\_TractorNumber\_CalibrationData\_yymmddhhmmss.CVD
- CompanyID: the USDOT number.
- TractorNumber is the number on which the RoadLog device is installed.

- yymmddhhmmss is the time when the file is created.

**COMPANY ASSETS PARTS LIST FILE**

The Company Assets Parts List file contains the list of predefined asset types used during RoadLog DVIR inspection. It is uploaded to RoadLog memory during company log in. The file is created by RoadLogFleet during activation of the Fleet Key. The file is downloaded, when requested by the user, only onto Fleet Keys belonging to the logged in company.

**The Company Assets Parts List file includes:**

- A predefined list of vehicle parts, along with the related possible defects for each part.
- A predefined list of trailer parts, along with the related possible defects for each part.
- Optional: The predefined list of other asset types, along with related defects. "Other assets" refers to any other asset (except trailers) that might be attached to the vehicle.

**The Company Assets Parts List file name structure is:**

- When created by RoadLog: Carrier\_CompanyID\_DVIRPartsList.DPL
- When created by RoadLogFleet: Carrier\_CompanyID\_DVIRPartsList\_yymmddhhmmss.DPL
- CompanyID: the USDOT number.
- yymmddhhmmss: time the file is created.

**Device Related Files**

Device-related files contain data recorded by RoadLog, or data related to the vehicle. These files are not recorded during company log in sessions. At the user's request, the files can be downloaded onto a Fleet Key, Driver Key or any USB flash drive formatted in FAT32, irrespective of a company's log in status.

**DEVICE CONFIGURATION PARAMETERS DATA**

The Device Configuration Parameters Data file contains RoadLog's original set up configuration.

**The Device Configuration Parameters Data file includes:**

- Configuration Parameters based on default values.

**The Device Configuration Parameters Data file name structure is:**

- Only created by RoadLog.
- EOBR\_SerialNumber\_Configuration Parameters\_yymmddhhmmss.CLB

- Serial Number is the device serial number.
- yymmddhhmmss is the time when the file is created.

## DEVICE DIAGNOSTIC EVENTS DATA

The Device Diagnostic Events Data file contains the RoadLog diagnostic events that were recorded in the last 30 days, irrespective of whether the events occurred during a company log session or not.

### The Device Diagnostic Events Data file includes:

- Diagnostic events recorded by RoadLog in the last 30 days.

### The Device Diagnostic Events Data file name structure is:

- Only created by RoadLog: EOBR\_SerialNumber\_DiagnosticData\_yymmddhhmmss.EDD
- Serial Number is the device serial number.
- yymmddhhmmss is the time when the file is created.

## VEHICLE DATA

The Vehicle Data file contains data recorded by RoadLog over the previous 30 days, during periods of time that companies were not logged into the system.

### The Vehicle Data file includes:

- Vehicle travelling periods.
- Records of system time synchronization with GPS time.

### The Device Diagnostic Events Data file name structure is:

- Only created by RoadLog: EOBR\_SerialNumber\_VehicleData\_yymmddhhmmss.EVD
- Serial Number is the device serial number.
- yymmddhhmmss is the time when the file is created.

## DEVICE SOFTWARE UPDATE HISTORY FILE

The Device Software Update History file contains the list of software packages installed on a specific RoadLog.

### The Device Software Update History file contains:

- Installed software packages in this RoadLog.

### Device Software Update History file name structure is:

- Only created by RoadLog: EOBR\_SerialNumber\_SWUpdates\_yymmddhhmmss.EVD
- Serial Number is the RoadLog serial number.
- yymmddhhmmss is the time when the file is created.

## Driver Related Files

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### Driver-related files contain the following:

- Data recorded by RoadLog during Driver log in sessions.
- Driver identification data.
- Driver support data .
- When created by RoadLog: Driver\_DriverID\_yymmddhhmmss.DID
- When created by RoadLogFleet: Driver\_DriverID.DID
- DriverID is the Driver identification number as it was assigned by the company.
- yymmddhhmmss is the time when the file is created.

## DRIVER IDENTIFICATION DATA FILE

The Driver Identification Data file includes the Driver's identification data as supplied by the Driver's employer. The file is created by the RoadLog Fleet Software and downloaded to the Driver Key. At the user's request, RoadLog downloads this data to the Driver Key or Fleet Key.

### The Driver Identification Data file contains:

- Driver's first and last name.
- Driver's schedule (7 days or 8 days).
- Driver's starting time.
- Time zone at the driver's home terminal.
- Coordinates (latitude and longitude) of the vehicle location at the work-reporting location.
- Indication of whether or not the driver has been assigned a 100 or 150 air-miles radius exemption according to FMCSA regulations.
- Indication of whether or not the Driver is allowed to use the 34-hour restart provision as defined by FMCSA.

### The Driver Identification Data file name structure is:

## DRIVER SUPPORT DATA FILE

The Driver Support Data file contains predefined data for use by the Driver user during log in sessions. The file is uploaded to RoadLog memory during Driver log in. The file is created by the RoadLog Fleet Software and downloaded to the Driver Key.

**The Driver Support Data File contains:**

- Predefined list of trailers assigned to the Driver by the RoadLog Fleet Software, along with each trailer's related DVIR record. Up to 20 DVIR records can be stored in the file. This data is available to the Driver during pre-trip or post-trip trailer inspection.
- List of Shipment Documents assigned to the Driver. Up to 20 Shipment Documents can be stored in the file. This data is available to the Driver during Shipment Documents management (whenever a Shipment Document is added or removed).

**The Driver Support Data File name structure is:**

- When created by RoadLog: Driver\_DriverID\_SupportData\_yymmddhhmmss.DSD
- When created by RoadLogFleet: Driver\_DriverID\_SupportData.DSD
- DriverID is the Driver identification number as it was assigned by the company.
- yymmddhhmmss is the time when the file is created.

**DRIVER RODS BINARY DATA FILE**

The Driver RODS Binary Data file includes Driver duty status records for the current and the previous 15 calendar days.

The file is uploaded to RoadLog memory during the Driver's log in session.

The file is created by RoadLog at the user's request, and downloaded automatically onto the Driver Key during Driver log out.

The file can be downloaded only onto a Driver Key or Fleet Key belonging to the logged-in company.

**The Driver RODS Binary Data file contains:**

- Driver log in sessions.
- Change of duty status records.
- Positioning data(GPS) recorded during Driver log in session.
- Diagnostic events recorded by RoadLog during Driver log in session.

- Logged in co-drivers during Driver log in session.
- Assigned trailers during Driver log in session.
- Assigned shipment documents during Driver log in session.
- Supporting documents events generated during Driver log in session.
- Exemptions taken by the Driver.
- Adjustments of system time with the GPS time records.
- Time frame for the reviewed RODS.

**The Driver RODS Binary Data file name structure is:**

- Created only by RoadLog: RODS\_CompanyID\_DriverID\_yymmddhhmmss.RDS
- CompanyID is the company identification as assigned by FMCSA (USDOT number).
- DriverID is the driver identification number as it was assigned by the company
- yymmddhhmmss is the time when the file is created.

**DRIVER RODS TEXT DATA FILE**

The Driver RODS Text Data file includes Driver duty status records for the current and the previous 7 or 8 calendar days in FMCSA required format.

The file is created by RoadLog at the user's request, and downloaded automatically onto the inserted flash drive during roadside inspection.

The file can be downloaded onto a Driver Key, Fleet Key or any USB flash drive in the FAT32 format.

**The Driver RODS Text Data file contains:**

- Change of duty status events.
- Diagnostic events.
- Positioning data (GPS) recorded during Driver log in sessions.

**The Driver RODS Text Data file name structure is:**

- Created only by RoadLog: RODS\_CompanyID\_DriverID\_yymmddhhmmss.TXT
- CompanyID is the company identification as assigned by FMCSA (USDOT number).

- DriverID is the Driver identification number as it was assigned by the company
- yymmddhhmmss is the time when the file is created.

**Note:** This file is a text file in the CSV (Comma Separated Values) format. Therefore, it can be viewed with any text file editors.

## Printouts

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**RoadLog provides the following types of printouts:**

- Daily Log
- DVIR Report
- Supporting Document
- Diagnostic Events
- Configuration Parameters

## Daily Log

1. VDO Logo
2. Title of the printout
3. Time and date of printing
4. Date log was recorded
5. Driver's home terminal time offset.
6. The name of the Driver whose log is printed.
7. Start time of the 24-hour period.
8. Total miles Driver travelled on the date the log was recorded per day.
9. Name and address of the primary company.
10. Carriers worked for: Companies for which the Driver worked on the day the log is or was printed, as well as:
  - USDOT number
  - Login time: Time the Driver started working for this company.
  - Logout time: Time the Driver finished working for this company.
  - Schedule: Type of schedule assigned to the Driver by the company (7 or 8 days).
  - 34-hours restart function: Indication of whether the 34-hour restart function is enabled or disabled.
  - Vehicle type: Type of vehicle assigned to the Driver (Passenger or Property-carrying).
11. Vehicles driven:
  - List of vehicles driven, along with ID numbers for attached trailers during the period covered by the printed log.
12. Co-Drivers: First and last names of Co-Drivers.
13. Shipment documents: List of shipment documents assigned to the vehicle during the period covered by the printed log.
14. Date of the printed log
15. Graphical representation of duty status changes
  - Format graph of the time spent by the driver in each duty status:
  - OFF (off duty status).
  - SB (time spent in sleeper berth).
  - ON DUTY (on duty time).
  - DRIVING (driving time).
16. Total hours: Total hours the Driver has spent in each duty status.
17. Change of duty status list: List all the duty status change events, along with the location of the duty status change.

**Note:** If the change of duty status was not recorded by the RoadLog device, but created/edited with the RoadLog Fleet Software, it will be marked as Edited.

18. No vehicle data periods (NO\_ECM): Periods of time that vehicle data was not received by RoadLog. The start time for each of these periods is also listed.
19. No GPS signal periods: Periods of time during which RoadLog did not detect a GPS signal. The start and end times for each of these periods are also listed.

The printout displays the following information:

- Header:** RoadLog VDO logo.
- Title:** US HOS Daily Log
- Printing date/time:** 03/15/2011 10:54:53 PM
- Log date:** 03/14/2011
- Home terminal TZ:** UTC-5h
- Driver Name:** Will Smith
- 24-hour start time:** 1:30 AM
- Total miles driven:** 245mi
- Carrier name:** B&B Transport
- Carrier address:** 1200 E 6<sup>th</sup> St No.245, Trenton, NJ 33920
- Carriers worked for:**
  - Transport Inc:** USDOT No: 12345678, Login time: 0:30 AM, Logout time: 3:30 PM, Schedule: 7 days, 34-hours restart enabled: YES, Vehicle type: Property carrying.
  - B&B Transport:** USDOT No: 22225678, Login time: 7:30 PM, Logout time: 10:30 PM, Schedule: 8 days, 34-hours restart enabled: NO, Vehicle type: Passenger.
- Vehicles driven:**
  - Tractor ID: 1234567890, Trailer IDs: T198765432, T298765432
  - Tractor ID: 7890123456, Trailer IDs: T987654321
- Co - Drivers:** Black Joe, Alistair Burn, Brown John
- Shipment documents:** 12345678901234567890123456789, 01234567890, 22325678901234567890123456789, 01234567890
- Change of duty status list:**
  - 1. 0:30 AM Edited Richmond, VA ON
  - 2. 2:00 AM Edited Friederiksburg, VA D
  - 3. 3:30 AM Edited Baltimore, MD SB
- No vehicle data periods (NO ECM):** 1. Start time: 0:30 AM
- No GPS signal periods (NO GPS):** 1. Start time: 2:48 AM, End time: 5:35 AM
- Exemptions:** Emergency, Start date and time: 3:30 AM, End date and time: 4:00 AM
- Adverse driving:** Start date and time: 7:30 PM, End date and time: 10:30 PM
- Signature:** (Field for Driver's signature)

20. Exemptions: All the exemptions taken by the Driver on the day the log was completed. Possible exemptions are:
  - Emergency.
  - Adverse driving.
  - 16-hour extension.
  - 100 mile radius driver.
  - 150 mile radius driver.
  - Personal Use
  - The start and end times for each exemption taken are also printed.

21. Signature: Field for Driver's signature.

## DVIR Report

1. VDO Logo.
2. Title of printout.
3. Date and time of printing.
4. Driver's home terminal time zone.
5. Vehicle registration plate number.
6. Type of asset for which DVIR inspection has been performed.
7. Asset identification number.
8. Post-trip inspection
  - Date/Time Date and time the post-trip inspection was performed.
  - Driver ID Identification of the Driver who performed the post-trip inspection.
  - Driver name Name of the Driver who performed the post-trip inspection.
  - Location Name of the location the post-trip inspection was performed.
  - Odometer Vehicle odometer reading at the time of post-trip inspection.
  - Part: List of defective part(s) and defect details recorded during the post-trip inspection. Safety-critical details are made explicit.
  - Signature The signature field for the Driver who performed the inspection.
9. Repair
  - Date/Time Date and time the repair certification is recorded in RoadLog.
  - Certifier ID Identification of the Driver who certified the repairs.
  - Certifier Name Name of the person who certified the repair.
  - Repair certification Indication of whether or not the defects recorded during the post-trip inspection were repaired.
  - Safety certification Indication of whether or not the vehicle is safe to operate.
  - Repair notes List of repair notes, if any.
  - Signature Signature field for the person who certified the repairs.
10. Pre-trip inspection
  - Date/Time Date and time the pre-trip inspection is registered in RoadLog.
  - Certifier ID Identification of the Driver who performed the pre-trip inspection.
  - Certifier name Name of the Driver who performed the pre-trip inspection.
  - Safety certification Indication of whether or not the defects recorded during post-trip inspection were repaired.
  - Safety notes Indication of whether or not the vehicle is safe to operate
  - Signature Signature field for the Driver who performed the pre-trip inspection.

The diagram shows a DVIR report form with the following sections and fields:

- Section 1:** RoadLog VDO logo.
- Section 2:** US DVIR title.
- Section 3:** Printing date/time: 03/16/2011 10:54 PM
- Section 4:** Home terminal TZ: UTC-5h
- Section 5:** Vehicle VRPN: 12345678901234567
- Section 6:** Asset type: Tractor; Asset ID: 123456789
- Section 8:** Post-trip inspection
  - Date/time: 03/15/2011 10:54 PM
  - Driver ID: 98763254
  - Driver name: Alistair Burn
  - Location: Friederiksburg, VA
  - Odometer: 889236.6 mi
  - Part: Coupling Devices; Defect(s): Coupler or mounting has loose or missing fastener
  - Part: Exhaust system; Defect(s): Exhaust leak
  - Part: Accessibility devices; Defect(s): Alarm fails to operate
  - Signature: (field for driver signature)
- Section 9:** Repair
  - Date/time: 03/16/2011 07:30 AM
  - Certifier ID: A2398763254
  - Certifier Name: Black Joe
  - Repair certification: Repairs made
  - Safety certification: Safe to operate
  - Repair notes: All necessary fixes were done
  - Signature: (field for certifier signature)
- Section 10:** Pre-trip inspection
  - Date/time: 03/16/2011 09:30 AM
  - Certifier ID: A2398763254
  - Certifier name: Black Joe
  - Safety certification: Safe to operate
  - Safety notes: Safe to operate
  - Signature: (field for certifier signature)

## Supporting Document

### Company Log Out from RoadLog

No.	Explanation
1	VDO Logo.
2	Time of printing.
3	Vehicle's license plate registration number.
4	Number of the supporting document generated for the given activity.
5	Activity for which the supporting document was generated.
6	Time the supporting document was generated.
7	Nearest populated area at the time the supporting document was added.
8	Coordinates of the location at which the supporting document was generated.

### Diagnostic Events

No.	Explanation
1	VDO Logo.
2	Title of printout.
3	Time and date of printing.
4	Vehicle's license plate registration number.
5	The most recent 100 diagnostic events recorded by RoadLog during the previous 30 days, along with the time of each occurrence and its event code. See <a href="#">Diagnostic Events</a> list for a complete list of diagnostic events and their respective causes.
6	Signature field for the user who prints the Diagnostic Events.

### Configuration Parameters

No.	Explanation
1	VDO Logo.
2	Title of printout.
3	Printing date and time.
4	Date and time the most recent configuration was performed.
5	Name of the person who performed the configuration.
6	List of calibration parameters and their value.
7	Signature field for the Driver who performed the configuration.

### Diagnostic events list

Event Code	Occurrence / Condition
PWR_ON	RoadLog is powered up and the booting sequence is completed.
PWROFF	RoadLog is powered off.
TESTOK	Self-test result is OK.
SERVIC	Self-test failed.
MEMERR	Self-test failed.



Event Code	Occurrence / Condition
LOWVLT	Low voltage detected.
BATLOW	Battery energy level is low.
CLKERR	A deviation of greater than 60 seconds between RoadLog time and the time received from the GPS has been detected.
CLKADJ	RoadLog has adjusted its system time to GPS time.
HIGHVT	High voltage detected.
IGN_ON	Ignition signal is ON.
IGNOFF	Ignition is OFF.
SWC_ON	RoadLog has woken up from sleep mode.
SWCOFF	RoadLog has entered sleep mode.
RESTRT	RoadLog is reset (the ON/OFF button has been pressed for 5 or more consecutive seconds).
BAT_OK	Battery condition OK.
ENG_ON	Vehicle engine is ON.
ENG_OFF	Vehicle engine is OFF.
FCT_ON	RoadLog is fully functional.
FCTOFF	RoadLog is not fully functional.
UPD_OK	RoadLog software update completed successfully.
UPDNOK	RoadLog software update failed.
INTFUL	RoadLog has recorded company Vehicle data and DVIR data for the past 29 days, but no data downloads have been performed. OR RoadLog has data for the previous 99 configuration sessions, but no data downloads have been performed. OR RoadLog has recorded RODS data for at least one logged in Driver for the past 14 days, but no data downloads have been performed.
DATAACC	At Driver log in, RoadLog has used RODS data from the Driver Key to create the current Driver's RODS in its memory.
EXTFUL	The USB key memory is full. Data download cannot occur.
EXTERR	Communication error with the USB device.

Event Code	Occurrence / Condition
DLOADY	RoadLog has successfully downloaded data onto the USB key.
DLOADN	The inserted USB key is not authenticated as a valid Fleet Key or Driver Key.
FATERR	The inserted USB key is not formatted according FAT32 file system.
CLSEERR	The inserted USB device is not recognized by RoadLog.
USPERR	USB power supply error.
USP_OK	USB power supply is OK.
NODRID	No Drivers have logged into RoadLog, but the vehicle is in motion.
PINERR	During manual log in, the Driver identification entered is not recognized by RoadLog.
DRIDRD	Driver log in with Driver Key successful.
DRIDNO	Driver log in with Driver Key failed.
DPYERR	Display error.
KEYERR	Touch panel error.
DPY_OK	The existing display error has been corrected.
KEY_OK	The existing key error has been corrected.
DPYTMP	The display temperature is out of working range.
PRTEERR	Printer error.
PRT_OK	Existing printer error corrected.
PRTTMP	The printer temperature is out of working range.
PAPERR	Printer has run out of paper.
PRTDLY	Print job has been stopped by RoadLog.
PRTCNL	Print job has been canceled by RoadLog.
NOLTLN	RoadLog cannot obtain valid positioning data.
NOTSYC	RoadLog cannot synchronize its time with GPS time due to a poor or absent GPS signal.
NO_ECM	One of the diagnostic events listed below has been detected, indicating that the distance travelled according to GPS data conflicts with the distance travelled according to vehicle data. CDSTER CSPDER JDSTER JSPDER
ECM_ID	An ECU serial number mismatch has been detected during RoadLog's synchronization with vehicle data received from CAN interface. OR A MID mismatch has been detected during RoadLog's synchronization with vehicle data received from J1708 interface.
ECM_OK	The NO_ECM condition has been corrected.
FCTERR	RoadLog is configured to synchronize with the vehicle via speed pulses... AND During the timeframe of the GPS plausibility check, vehicle motion is detected... AND Distance travelled according to GPS data conflicts with distance travelled as measured by vehicle speed pulses.

Event Code	Occurrence / Condition
PLSERR	RoadLog is configured to synchronize with the vehicle via speed pulses... AND During the timeframe of the GPS plausibility check, no vehicle motion is detected.
CDSTER	RoadLog is calibrated to be synchronized with vehicle via CAN interface... AND Vehicle total distance data has not been received from CAN bus.
CSPERR	RoadLog is calibrated to be synchronized with vehicle via CAN interface... AND Vehicle speed data has not been received from CAN bus.
CRPMER	RoadLog is calibrated to be synchronized with vehicle via CAN interface... AND Engine speed data has not been received from CAN bus.
CRPMOK	RoadLog is calibrated to be synchronized with vehicle via CAN interface... AND CRPMER event is active... AND RoadLog has successfully received engine speed data from CAN bus.
JDSTER	RoadLog is calibrated to be synchronized with vehicle via J1708 interface... AND RoadLog has not received vehicle total distance data from J1708 interface.
JSPDER	RoadLog is calibrated to be synchronized with vehicle via J1708 interface... AND Vehicle speed data has not been received from J1708 interface.
JRPMER	RoadLog is calibrated to be synchronized with vehicle via J1708 interface... AND Engine speed data has not been received from J1708 interface.
JRPMOK	RoadLog is calibrated to be synchronized with vehicle via J1708 interface... AND JRPMER event is active... AND RoadLog has successfully received engine speed data from JRPMOK interface.
LTLNOK	Valid positioning data (GPS) obtained.
TSYCOK	GPS signal quality has improved and system time synchronization can occur.
GPSERR	GPS receiver error.
GPS_OK	The GPSERR condition has been corrected.
GPS_FF	RoadLog performs the first GPS position after entering Full Function State.
MOVOFF	The vehicle has changed positions since the last power OFF.
OVERLP	Driver RODS data found in RoadLog's memory <b>REPAIR APPROVALs</b> with driver RODS data found on the Driver Key. Data cannot be merged.

## 18. Support / Warranty

Access to support for VDO RoadLog and VDO RoadLog Fleet Management Software is available directly through the Fleet Software. Click the Support button for links to software updates, data backups, and “NetViewer” software that will allow RoadLog Technical Support personnel to share your computer screen online, to help diagnose problems and answer questions.

### **VDO RoadLog support is available at:**

#### **Technical Support**

Email: [RoadLog-support@vdo.com](mailto:RoadLog-support@vdo.com)

Tel.: (855)-RoadLog, or (855) 762-3564

#### **Customer Service**

Fax: (800) 752-7224 or (610) 366-9837

Email: [RoadLog-sales@vdo.com](mailto:RoadLog-sales@vdo.com)

[www.vdoRoadLog.com](http://www.vdoRoadLog.com)

#### Warranty

Registered RoadLog users can find the complete VDO RoadLog Warranty at:

[www.vdoroadlog.com/users](http://www.vdoroadlog.com/users)

## 19. Glossary

Adverse driving conditions	Conditions that interfere with normal safe driving that were not known to the person dispatching the run at the time it began. Includes snow, sleet, fog, ice or unusual road or traffic conditions.
DVIR	Driver Vehicle Inspection Report. The report on vehicle functions, parts and accessories that must be completed by Drivers at the completion of each day and the beginning of the next day.
HOS	Hours of Service. The set of regulations issued by Federal Motor Carrier Safety Administration setting the maximum allowed working hours for Drivers operating a commercial motor vehicle in US.
RODS	Records of Duty Status. Records of a Driver's work activities for a day.
On Duty time (ON)	<p>The time from when a Driver begins to work or is required to be in readiness to work until the time the Driver is relieved from work and all responsibility for performing work. On duty time includes:</p> <p>All time at a plant, terminal, facility or other property of a motor carrier or shipper, or on any public property, waiting to be dispatched, unless the Driver has been relieved from duty by the motor carrier.</p> <p>All time inspecting, servicing, or conditioning any commercial motor vehicle at any time.</p> <p>All driving time as defined in the term driving time.</p> <p>All time, other than driving time, in or upon any commercial motor vehicle except time spent resting in a sleeper berth.</p> <p>All time loading or unloading a commercial motor vehicle, supervising, or assisting in the loading or unloading, attending a commercial motor vehicle being loaded or unloaded, remaining in readiness to operate the commercial motor vehicle, or in giving or receiving receipts for shipments loaded or unloaded.</p> <p>All time repairing, obtaining assistance, or remaining in attendance upon a disabled commercial motor vehicle.</p> <p>All time spent providing a breath sample or urine specimen, including travel time to and from the collection site, in order to comply with the random, reasonable suspicion, post-accident or follow-up testing when directed by a motor carrier.</p> <p>Performing any other work in the capacity, employ or service of a motor carrier.</p> <p>Performing any compensated work for a person who is not a motor carrier.</p>
Sleeper Berth time (SB)	All time spent by the Driver in the sleeper berth.
Driving time (D)	All time spent at the driving controls of a commercial motor vehicle in operation.
Off Duty time	All the remaining time for which the Driver is not in ON or SB.
Twenty-four hour period	Any 24 consecutive hour period beginning at the time designated by the motor carrier for the terminal from which the Driver is normally dispatched.
Seven consecutive days (7 days)	The period of 7 consecutive days beginning on any day at the time designated by the motor carrier for a 24-hour period.
Eight consecutive days (8 days)	The period of 8 consecutive days beginning on any day at the time designated by the motor carrier for a 24-hour period.
SD	Supporting Documents.

FMCSA	Federal Motor Carrier Safety Administration.
Sleep mode	RoadLog's low power consumption mode. RoadLog functionalities are not available in this mode and the display is turned off.
Active mode	Operation mode in which RoadLog has all functionalities available.
Deactivated mode	RoadLog is not connected to power supply.
Download	Data transfer from RoadLog to a flash drive, usually a RoadLog Driver Key or Fleet Key.
Upload	Data transfer from a USB flash driver to RoadLog.
GPS	Global Positioning System.
GPRS GSM	General Packet Radio Service. Global System for Mobile Communications
USB	Universal Serial Bus – serial bus interface standard for connecting electronic devices.
Driver Key	Special USB flash drive used by the Driver to transfer logbook data.
Fleet Key	Special USB flash drive used by the Company to configure the RoadLog EOBR and download/upload data to/from RoadLog and the Fleet Management Software. Also used to authenticate software licensing when starting the RoadLog Fleet Software.
Daily reset condition	The time of the day when the Driver accumulates the required off duty time for that day, according to FMCSA HOS rules. Once the daily reset condition is reached, the duty calculations are reset.

## 20. Legal Notices

This product may contain software available under open source licenses.

Some of this software in source code, object code or other forms may be available at [www.vdoroadlog.com/oss5\\_2012](http://www.vdoroadlog.com/oss5_2012) or upon request to:

### Technical Support

Continental

6755 Snowdrift Rd

Allentown PA, 18106

roadlog-support@vdo.com

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VDO RoadLog Electronic On Board Recorder

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This product includes software developed by Paul Mackerras

This product includes software developed by Computing Services at Carnegie Mellon University (<http://www.cmu.edu/computing/>).

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This product includes software written by Tim Hudson ([tjh@cryptsoft.com](mailto:tjh@cryptsoft.com))

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Lars Fenneberg

WIDE Project.

Francis.Dupont@inria.fr, INRIA Rocquencourt

Jean-loup Gailly

Mark Adler

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Craig Metz

Tuukka Karvonen <tkarvone@iki.fi>

Purdue Research Foundation, West Lafayette, Indiana

Victor A. Abell

RSA Data Security, Inc.

Tatu Ylonen <ylo@cs.hut.fi>, Espoo, Finland

CORE SDI S.A., Buenos Aires, Argentina

David Mazieres

Vincent Rijmen

Antoon Bosselaers

Paulo Barreto

Markus Friedl

Theo de Raadt

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Darren Tucker

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Daniel Walsh

Eric Young (eay@cryptsoft.com)

Tim Hudson (tjh@cryptsoft.com) Red Hat Software

Mentor Graphics (<http://www.mentor.com>)

Gary Jennejohn, DENX Software Engineering, <gj@denx.de>



CONTINENTAL AUTOMOTIVE SYSTEMS US, INC. , A DELAWARE CORPORATION, CERTIFIES THAT THIS VDO ROADLOG™ ELECTRONIC ON BOARD RECORDER COMPLIES WITH ALL REQUIREMENTS OF 49 CFR 395.15 (AUTOMATIC ON-BOARD RECORDING DEVICES) WHEN MAINTAINED IN PROPER WORKING ORDER AND OPERATED AS INSTRUCTED IN THIS OWNER'S MANUAL. NEITHER CONTINENTAL AUTOMOTIVE SYSTEMS US, INC. NOR ITS PARENT, SUBSIDIARIES OR AFFILIATES ARE RESPONSIBLE FOR ANY DRIVER ERROR OR FOR SYSTEMS NOT MAINTAINED IN PROPER WORKING ORDER.

#### Legal Foundation

United States federal motor carrier safety regulations permit a motor carrier to require a Driver to use an automatic on-board recording device to record the Driver's hours of service. The use of automatic on-board recording devices is regulated by 49 CFR 395.15. The regulations require the operator of a vehicle and the company who employs the operator to conform to a number of obligations and responsibilities. The following list is not guaranteed to be complete or legally valid.

#### Requirements of the Automatic On-Board Recording Device

- The device shall produce, upon demand, a Driver's hours of service chart, electronic display, or printout showing the time and sequence of duty status changes, including the Drivers' starting time at the beginning of each day.
- The device shall have a means by which authorized federal, state, or local officials can immediately check the status of a Driver's hours of service.

#### Obligations of the Driver

- The Driver must use the automatic on-board recording device if required to do so by his or her employer.
- The Driver shall have in his or her possession and available for inspection while on duty records of duty status for the previous seven (7) or eight (8) consecutive days.
- All hard copies of the Driver's record of duty status must be signed by the Driver.
- Entries must be made by the Driver only.
- Drivers must note any failure of automatic on-board recording devices and reconstruct his or her record of duty status for the current day and the past seven days and continue to prepare handwritten records until the device is operational again.
- Drivers must review and verify that all entries are

accurate prior to submission to the employer motor carrier.

#### Obligations of the Company

- Motor carriers must ensure that a certificate is obtained from the manufacturer of the on-board recording device certifying that the device has been sufficiently tested to meet the requirements of 49 CFR 395.15.
- The motor carrier must ensure that the on-board recording device permits duty statuses to be updated only when the vehicle is at rest, except when registering the time a vehicle crosses a state boundary.
- The motor carrier must ensure that the device and associated support systems are, to the maximum extent possible, tamperproof and do not permit alterations of the information concerning the Driver's hours of service.
- The motor carrier must ensure that the device warns the Driver visually or audibly that the device has ceased to function.
- The motor carrier must ensure that the device is maintained and recalibrated in accordance with the manufacturer's specifications.
- The motor carrier must ensure that Drivers are adequately trained in proper operation of the device.
- The motor carrier must maintain a second, back-up copy of the electronic hours-of-service files in a different physical location than where the original data is stored.

**Continental**  
Commercial Vehicles & Aftermarket  
6755 Snowdrift Road, Allentown, PA 18106 USA  
[www.vdoroadlog.com](http://www.vdoroadlog.com)

For more information and to become a VDO RoadLog distributor or retailer call:  
1-800-564-5066 or 610-366-8489  
E-mail: [roadlog-sales@vdo.com](mailto:roadlog-sales@vdo.com)

For installation and service questions contact:  
**VDO Technical Support:**  
Tel: (855)-ROADLOG, or (855) 762-3564  
E-mail: [roadlog-support@vdo.com](mailto:roadlog-support@vdo.com)

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