



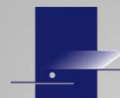
# Electronic Logging Devices (ELDs)

Reviewing the capabilities of an  
ELD for use during an audit

Presenter: Soona Lee

## What we'll cover today

1. A quick recap on the ELD mandate
2. The key differences between ELD and IFTA record keeping requirements
3. Examples of ELD records and electronic IFTA reports
4. Q&A discussion





## FEDERAL REGISTER

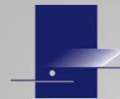
Vol. 80                      Wednesday,  
No. 241                      December 16, 2015

Part II

Department of Transportation

Federal Motor Carrier Safety Administration  
49 CFR Parts 385, 386, 390, and 395  
Electronic Logging Device and Hours of Service Supporting Documents,  
Final Rule

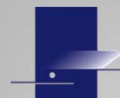
# A QUICK RECAP ON THE ELD MANDATE



## Definition of an ELD

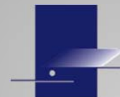
### § 395.2

“Electronic Logging Device (ELD) means a device or technology that automatically records a driver’s driving time and facilitates the accurate recording of the driver’s hours of service, and that meets the requirements of subpart B of this part.”



## Key requirements in Subpart B

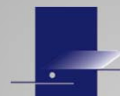
- Integrally connected to the CMV's engine to automatically track vehicle
- Automatically record date, time, location with required accuracy and frequency
- Data transfer and backup capability
- Detect malfunctions and data diagnostics
- Allow annotation and edits by driver and carrier to correct and explain records



## ELD compliance requirements

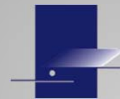
- Self-certify that ELD meets all technical specifications in Subpart B
- Registered with FMCSA

<https://csa.fmcsa.dot.gov/ELD/List>



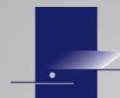
## Who needs an ELD?

- ELD rule applies to carriers and drivers who are currently required to maintain record of duty status (RODS)
- Rule applies to commercial buses as well as trucks, and to Canada- and Mexico- domiciled drivers

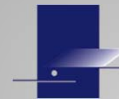
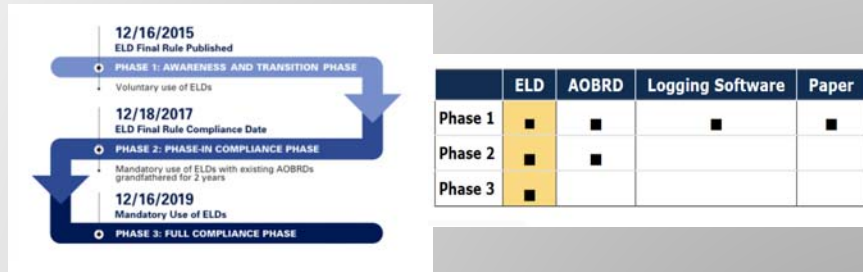


## Who are exempt?

- Drivers who operate under short haul exception may continue using timecards; they are not required to keep RODS
- Drivers who use paper RODS for not more than 8 days out of every 30 day period
- Drivers who conduct driveaway / towaway operation where vehicle is commodity
- Drivers of vehicles manufactured before year 2000



# Implementation timeline



# AOBRD grandfathering

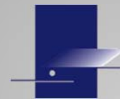
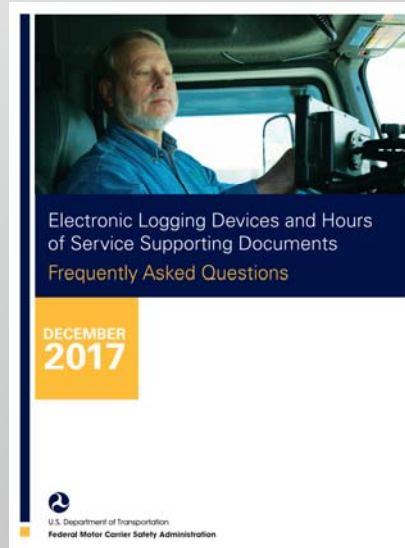
- Per vehicle basis
- Can move an existing AOBRD from one vehicle to another
- Any new vehicles added to the fleet after Dec 18, 2017 must be equipped with an ELD even if rest of the fleet is on AOBRDs



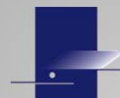
**For more info:**

Refer to FMCSA's FAQ

<https://www.fmcsa.dot.gov/hours-service/elds/faqs>



**THE KEY DIFFERENCES  
BETWEEN ELD AND IFTA  
RECORD KEEPING  
REQUIREMENTS**



# Basis of record keeping

## ELD

- Individual driver



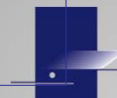
## IFTA & IRP

- Vehicles and fleet



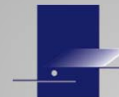
# Qualifying vehicles

ELD	IFTA	IRP
<ul style="list-style-type: none"> <li>• CMV &gt; 10,000lbs</li> <li>• Manufactured after model year 2000</li> <li>• Involved in interstate commerce</li> </ul>	<ul style="list-style-type: none"> <li>• CMV &gt; 26,000 lbs</li> <li>Or</li> <li>• Three or more axels regardless of weight</li> <li>Or</li> <li>• Used in combination, with the weight or such combination &gt;26,000 lbs gross vehicle or registered gross vehicle weight</li> <li>• Traveling in two or more IFTA jurisdictions</li> </ul>	<ul style="list-style-type: none"> <li>• CMV &gt; 26,000 lbs</li> <li>Or</li> <li>• Three or more axels regardless of weight</li> <li>Or</li> <li>• Used in combination, with the weight or such combination &gt;26,000 lbs gross vehicle or registered gross vehicle weight</li> <li>• Chartered buses</li> <li>• Traveling in two or more IRP jurisdictions</li> </ul>



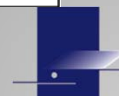
# Record retention

ELD	IFTA	IRP
• 6 months	• 4 years	• 5 years



# Key data records requirement

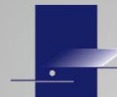
DISTANCE DATA Collection Elements	Electronic Logging Device (ELD) For Reporting Hours of Service	Electronic Logging Device (ELD) IFTA / IRP Compliant
Original GPS or other location data for the vehicle to which the records pertain	Required	Required
Frequency of GPS Readings, date & time stamps, and distance recording requirements.	Location readings: <ul style="list-style-type: none"> <li>• Every 60 minutes</li> <li>• Every change of duty status</li> <li>• Engine on/Off at a precision of one mile when On-Duty and 10 miles when Off-Duty</li> </ul>	Date and time of each GPS or other system reading: At intervals sufficient to validate the total distance traveled in each jurisdiction. <i>This is dependent on the carrier operation and could mean a location reading every 15 minutes or less.</i>
Location of each GPS or other system reading	Not Required	Required
Calculated distance between each GPS or other system reading	Not Required	Required
Routes of Travel by Unit	Not Required	Required
Beginning and ending reading from the odometer, hubodometer, engine control module, or similar device	Required	Required
Engine Hours	Required	Not Required
Total Trip Distance by Unit	Not Required	Required
Distance by Unit Each 24 Hour Period	Required	Not Required
Distance by Jurisdiction by Unit	Not Required	Required
Unit Number (id)	Power Unit and Trailer	Power Unit Only
Registrant's (Company) Name	Required	Required
Driver Name/ID	Required	Not Required





# Location data

ELD	IFTA	IRP
<ul style="list-style-type: none"> <li>At every:                             <ul style="list-style-type: none"> <li>Change in duty status</li> <li>Engine on/off</li> <li>Beginning and end of personal use</li> </ul> </li> <li>Intermediate location every 60 minutes (unless when in personal use)</li> </ul>	<ul style="list-style-type: none"> <li>Continuously</li> <li>Records must be of quality deemed adequate by an auditor</li> </ul>	<ul style="list-style-type: none"> <li>Continuously</li> <li>Records must be of quality deemed adequate by an auditor</li> </ul>



# Fuel receipts

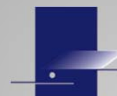
ELD	IFTA	IRP
<ul style="list-style-type: none"> <li>Part of supporting documentation</li> </ul>	<ul style="list-style-type: none"> <li>Required records for IFTA returns</li> </ul>	<ul style="list-style-type: none"> <li>Not required</li> </ul>

```

WELCOME
1A243590-006
FUEL ME UP
CALIFORNIA

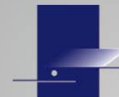
DATE      04/30/2016
TIME      5:01PM
AUTH#     001122

VISA
ACCOUNT NUMBER
####-####-####-##98
Flying Trapeze
Trucking
PUMP  PRODUCT  $/G
01    DI       $2.9
GALLONS      TOTAL
105.00      $304.50
TAX PAID
THANK YOU!
HAVE A NICE DAY
    
```

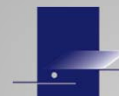


# Reporting requirements

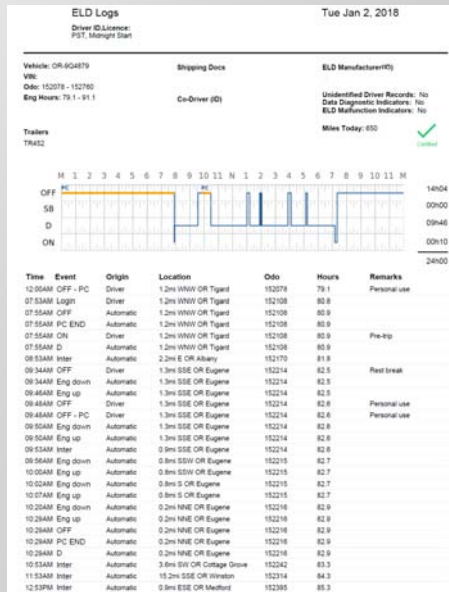
ELD	IFTA	IRP
<ul style="list-style-type: none"><li>• Daily ELD logs</li><li>• Eight days transferred at roadside inspections</li><li>• Six months subject to compliance reviews</li></ul>	<ul style="list-style-type: none"><li>• Fuel transactions</li><li>• MPG calculations per vehicle and jurisdictions traveled</li><li>• Distance reporting for monthly, quarterly and yearly intervals</li><li>• Route of travel by vehicle</li><li>• Identify exempt miles</li></ul>	<ul style="list-style-type: none"><li>• Distance reporting for monthly, quarterly and yearly intervals</li><li>• Route of travel by vehicle</li><li>• Identify exempt miles</li></ul>



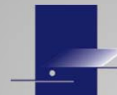
## EXAMPLES OF ELD RECORDS AND ELECTRONIC IFTA REPORTS



# Example: ELD logs



Vendor A



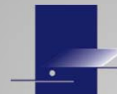
# Example: Daily trip report

Daily Activity Report  
 1/7/2018  
 Vehicle Name: 2500HD Site Visits: N/A  
 Plate: 9G4879 Total: 61.8 mi  
 Off-road: 0.4 mi

Type	Time	Speed	Dist. Reading	Latitude	Longitude	Location
Location Notification	0:56		152,117.80	45.44009	-122.7934	SW Portland fence,Casa de Pablo (2)
Ignition turned on	7:52	0	152,117.80	45.44009	-122.7934	SW Portland fence,Casa de Pablo (2)
Driver login	7:53		152,117.80	45.44009	-122.7934	SW Portland fence,Casa de Pablo (2)
Geofence exit	7:55	7	152,117.80	45.44016	-122.7932	Casa de Pablo (2)
Geofence exit	8:15	70	152,135.70	45.22154	-122.8178	SW Portland fence
Ignition turned off	9:34	0	152,223.30	44.03453	-123.0781	E 23rd Ave, Eugene, Oregon
Ignition turned on	9:46		152,223.30	44.03453	-123.0781	E 23rd Ave, Eugene, Oregon
Ignition turned off	9:50	0	152,223.30	44.03459	-123.0781	E 23rd Ave, Eugene, Oregon
Ignition turned on	9:50		152,223.30	44.03453	-123.0781	E 23rd Ave, Eugene, Oregon
Ignition turned off	9:56	0	152,224.30	44.04026	-123.0906	E 18th Ave, Eugene, Oregon
Ignition turned on	10:00		152,224.30	44.04026	-123.0906	E 18th Ave, Eugene, Oregon
Ignition turned off	10:02	0	152,224.50	44.04024	-123.0893	E 18th Ave, Eugene, Oregon
Ignition turned on	10:07		152,224.50	44.04024	-123.0893	E 18th Ave, Eugene, Oregon
Ignition turned off	10:12	0	152,224.50	44.04024	-123.0893	E 18th Ave, Eugene, Oregon
Ignition turned on	10:20		152,225.80	44.05501	-123.0853	Near E 4th Ave, Eugene, Oregon
Ignition turned off	10:29		152,225.80	44.05501	-123.0853	Near E 4th Ave, Eugene, Oregon
Geofence entry	10:34	67	152,229.10	44.04488	-123.0501	Autzen Stadium Speed Gate
Geofence exit	10:34	70	152,229.10	44.0424	-123.0499	Autzen Stadium Speed Gate
Engine idling	13:05	0	152,401.00	42.24607	-122.7776	Near Valley View Rd, Talent, Oregon
Ignition turned off	13:05	0	152,401.00	42.24607	-122.7776	Near Valley View Rd, Talent, Oregon
Ignition turned on	13:11		152,401.00	42.24607	-122.7776	Near Valley View Rd, Talent, Oregon
State line Crossing	13:11	65	152,422.40	-122.6159	-115.5	Oregon
Ignition turned off	13:54	0	152,445.60	41.7323	-122.5964	Yreka, California
Ignition turned on	13:57		152,445.60	41.7323	-122.5964	Yreka, California
Ignition turned off	14:01	0	152,446.20	41.73471	-122.5926	Montague Rd, Yreka, California
Ignition turned on	14:02		152,446.20	41.73471	-122.5926	Montague Rd, Yreka, California
Ignition turned off	15:53	0	152,575.80	40.18234	-122.2198	Near Williams Ave, Red Bluff, California
Ignition turned on	16:05		152,575.80	40.18234	-122.2198	Near Williams Ave, Red Bluff, California
Ignition turned off	17:08	0	152,648.40	39.15562	-122.1462	4th St, Williams, California
Fuel Entry	17:14		152,648.40	39.15562	-122.1462	4th St, Williams, California
Ignition turned on	17:14		152,648.40	39.15562	-122.1462	4th St, Williams, California
Ignition turned off	19:04	0	152,769.50	37.65764	-122.3973	Near Gateway Blvd, South San Francisco, California
Ignition turned on	19:19		152,769.50	37.65764	-122.3973	Near Gateway Blvd, South San Francisco, California
Ignition turned off	19:20	0	152,769.50	37.65737	-122.3969	Near Forbes Blvd, South San Francisco, California
Driver logout	19:30		152,769.50	37.65737	-122.3969	Near Forbes Blvd, South San Francisco, California



Vendor A

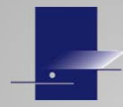


# Example: Monthly summary

FUEL TRIP RECORD																
PLATE / FASS NO.:		9Q4879														
UNIT NUMBER:		2500HD														
IFTA License Number		COMPANY NAME					PERIOD OF OPERATION									
							Jan-18									
DATE OF TRIP	STATE	FUEL TYPE	ENTRY ODD	ENTRY POI	ENTRY LAT	ENTRY LON	EXIT ODD	EXIT POINT	EXIT LAT	EXIT LONG	HIGHWAYS TRAVELED	TOTAL MIL	IFTA TAX	IFTA EXEM	FUEL FILLS	B/L NUMBERS
1/1/2018 0:46	OR	Diesel	43350.8	Casa de Pal	45.44009	-122.7934	43350.8	Casa de Pal	45.44009	-122.7934		0	0	0		
1/2/2018 0:56	OR	Diesel	43350.8	Casa de Pal	45.44009	-122.7934	43655.5	I-5 S, Oreg	42.00595	-122.6159	OR-217 S,I-5 S,253,I-5 N,10	305	0	0		
1/2/2018 13:31	CA	Diesel	43655.5	I-5 S, Calif	42.00472	-122.6152	44002.5	Near Forbe	37.65737	-122.3969	I-5 S,I-5 N,Earl Sholes Men	347	347	0	25	
1/3/2018 0:30	CA	Diesel	44002.5	Near Forbe	37.65737	-122.3969	44002.5	Near Forbe	37.65737	-122.3969		0	0	0		
1/4/2018 0:40	CA	Diesel	44002.5	Near Forbe	37.65737	-122.3969	44002.5	Near Forbe	37.65737	-122.3969		0	0	0		
1/5/2018 0:51	CA	Diesel	44002.5	Near Forbe	37.65737	-122.3969	44002.5	Near Forbe	37.65737	-122.3969		0	0	0		
1/6/2018 0:01	CA	Diesel	44002.5	Near Forbe	37.65737	-122.3969	44345.1	I-5 N, Calif	42.00472	-122.6148	US-101 N,4308,US-101 S,I-	343	343	0	27	
1/6/2018 17:04	OR	Diesel	44345.1	Or-99 N, Or	42.00594	-122.6156	44646.8	Casa de Pal	45.4401	-122.7935	OR-99 N,I-5 NJ-5 S,NW 89	302	0	0		
1/7/2018 0:12	OR	Diesel	44646.8	Casa de Pal	45.4401	-122.7935	44646.8	Casa de Pal	45.4401	-122.7935		0	0	0		



Vendor A

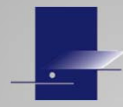


# Example: Monthly summary

Mobile Devices	AZ	CA	OR	WA	Total Mileage
331	1588.3	6412.7	618.0	293.6	8912.6



Vendor B

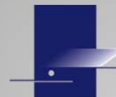


# Example: Monthly summary

Mobile Device	Duration (min)	Date	Time	Timezone	Speed (mph)	Direction
					Latitude	Longitude
331	9/1/17	12:00 AM	PDT		Parked	623 0.0
331	37.594532	-122.368833				
331	9/1/17	10:23 AM	PDT	5	NW	0.1 37.594583
331	-122.368917					
331	9/1/17	10:28 AM	PDT	16	NW	1.0 37.591523
331	-122.361330					
331	9/1/17	10:33 AM	PDT	56	N	4.7 37.629564
331	-122.402320					
331	9/1/17	10:38 AM	PDT	59	N	9.5 37.694162
331	-122.391638					
331	9/1/17	10:43 AM	PDT	16	NE	13.0 37.743491
331	-122.405914					
331	9/1/17	10:40 AM	PDT	34	NE	15.5 37.776816
331	-122.403283					
331	9/1/17	10:53 AM	PDT	59	NE	18.8 37.812524
331	-122.362125					
331	9/1/17	10:58 AM	PDT	53	N	23.5 37.839815
331	-122.296787					
331	9/1/17	11:03 AM	PDT	61	NW	28.0 37.902059
331	-122.311499					
331	9/1/17	11:08 AM	PDT	58	NE	32.9 37.966577
331	-122.322104					
331	9/1/17	11:13 AM	PDT	63	NE	37.8 38.016590
331	-122.267759					
331	9/1/17	11:18 AM	PDT	22	E	41.8 38.053724
331	-122.226308					
331	9/1/17	11:20 AM	PDT		Parked	7 41.9



Vendor B



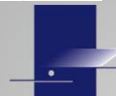
# Example: Fuel transactions

Account Code	Customer ID	Transaction Date	Transaction Time	Unit Number	Habometer Reading	Previous Hub Reading	MDG for this Fill Up
LX20	2878	09012017	19:13	331	262.099	261.583	2.45
LX20	2878	09062017	12:00	331	263.315	262.099	6.00
LX20	2878	09092017	16:54	331	264.109	263.315	6.61
LX20	2878	09122017	22:50	331	265.567	264.109	6.62
LX20	2878	09162017	00:16	331	266.588	265.567	10.01
LX20	2878	09162017	19:18	331	267.062	266.588	61.28
LX20	2878	09172017	13:00	331	267.389	267.062	26.99
LX20	2878	09172017	21:07	331	267.694	267.389	1.23
LX20	2878	09252017	17:52	331	268.330	267.694	5.94
LX20	2878	09292017	07:54	331	269.422	268.330	6.35

Truck Stop Name	Service Center Address	Truck Stop City	Truck Stop State	Service Center Zip Code	Truck Stop Invoice Number	Number of Tractor Gallons	Tractor Fuel Price Per Gallon	Cost of Tractor Fuel
PILOT #164	1-5 SR46	LOST HILLS	CA	93249	0076276	216.26	\$3.154	\$683.100
LEBARR DISTRBU	200 ERBE ST	POMONA	CA	90670	01021785	200.00	\$2.850	\$570.000
LEBARR DISTRBU	200 ERBE ST	POMONA	CA	90670	01021824	127.50	\$2.850	\$363.380
PILOT #188	1-5 EXIT 213	BROOKS	OR	97306	3037601	212.40	\$2.799	\$594.510
LEBARR DISTRBU	200 ERBE ST	POMONA	CA	90670	01022113	89.00	\$2.850	\$252.150
TA-TONGPAH	1010 N.339TH AVE	TONGPAH	AZ	85354 9718	13085	8.55	\$2.870	\$24.540
LEBARR DISTRBU	200 ERBE ST	POMONA	CA	90670	01022122	10.70	\$2.850	\$30.500
FLYING J #806	3001 801-110 EXIT 1.5 FRONTAGE	CHANDLER	AZ	85224	547422	165.68	\$2.995	\$496.120
PILOT #164	1-5 SR46	LOST HILLS	CA	93249	0109129	123.70	\$3.159	\$390.780
FLYING J #817	15100 NORTH THORNTON RD	LOCK	CA	95242	1253481	171.77	\$3.139	\$539.130



Vendor B

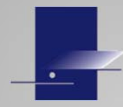


# Example: Monthly summary

Date	UA	Beginning Odom	Ending Odom	Total Odom	Time Zone	Time Zone	State Code	Total State	Country Name
9/1/2017 0:00	107052261	406001.2	406349.2	348	Pacific	DEPOT	AZ	164.2	United States
9/1/2017 0:00	107052261	406001.2	406349.2	348	Pacific	DEPOT	CA	183.9	United States
9/2/2017 0:00	107052261	406349.2	406349.2	0	Pacific	DEPOT	CA	0	United States
9/4/2017 0:00	107052261	406349.2	407027.5	678.3	Pacific	DEPOT	CA	248.9	United States
9/4/2017 0:00	107052261	406349.2	407027.5	678.3	Pacific	DEPOT	NV	429.4	United States
9/5/2017 0:00	107052261	407027.5	407681.7	654.2	Pacific	DEPOT	ID	477.7	United States
9/5/2017 0:00	107052261	407027.5	407681.7	654.2	Pacific	DEPOT	NV	78.2	United States
9/5/2017 0:00	107052261	407027.5	407681.7	654.2	Pacific	DEPOT	WA	98.4	United States
9/6/2017 0:00	107052261	407681.7	408337	655.3	Pacific	DEPOT	ID	486.2	United States
9/6/2017 0:00	107052261	407681.7	408337	655.3	Pacific	DEPOT	NV	69.3	United States
9/6/2017 0:00	107052261	407681.7	408337	655.3	Pacific	DEPOT	WA	99.7	United States
9/7/2017 0:00	107052261	408337	408942.8	605.8	Pacific	DEPOT	CA	176.7	United States
9/7/2017 0:00	107052261	408337	408942.8	605.8	Pacific	DEPOT	NV	429.1	United States
9/8/2017 0:00	107052261	408942.8	408943	0.2	Pacific	DEPOT	CA	0.2	United States
9/9/2017 0:00	107052261	408943	408943	0	Pacific	DEPOT	CA	0	United States
9/11/2017 0:00	107052261	408943	409362.1	419.1	Pacific	DEPOT	AZ	162.1	United States
9/11/2017 0:00	107052261	408943	409362.1	419.1	Pacific	DEPOT	CA	257	United States
9/12/2017 0:00	107052261	409362.1	409710.6	348.5	Pacific	DEPOT	AZ	164.3	United States
9/12/2017 0:00	107052261	409362.1	409710.6	348.5	Pacific	DEPOT	CA	184	United States
9/13/2017 0:00	107052261	409710.6	410241.8	531.2	Pacific	DEPOT	AZ	274.1	United States
9/13/2017 0:00	107052261	409710.6	410241.8	531.2	Pacific	DEPOT	CA	257.2	United States
9/14/2017 0:00	107052261	410241.8	410738.2	496.4	Pacific	DEPOT	AZ	278.8	United States
9/14/2017 0:00	107052261	410241.8	410738.2	496.4	Pacific	DEPOT	CA	217.4	United States
9/15/2017 0:00	107052261	410738.2	410843.9	105.7	Pacific	DEPOT	CA	105.8	United States
9/16/2017 0:00	107052261	410843.9	410843.9	0	Pacific	DEPOT	CA	0	United States
9/17/2017 0:00	107052261	410843.9	411191.5	347.6	Pacific	DEPOT	AZ	162.4	United States
9/17/2017 0:00	107052261	410843.9	411191.5	347.6	Pacific	DEPOT	CA	185.3	United States
9/18/2017 0:00	107052261	411191.5	411540.2	348.7	Pacific	DEPOT	AZ	164.5	United States
9/18/2017 0:00	107052261	411191.5	411540.2	348.7	Pacific	DEPOT	CA	184.2	United States
9/19/2017 0:00	107052261	411540.2	412059.5	519.3	Pacific	DEPOT	AZ	283.7	United States
9/19/2017 0:00	107052261	411540.2	412059.5	519.3	Pacific	DEPOT	CA	255.4	United States
9/20/2017 0:00	107052261	412059.5	412513	453.5	Pacific	DEPOT	AZ	270.2	United States
9/20/2017 0:00	107052261	412059.5	412513	453.5	Pacific	DEPOT	CA	183.2	United States
9/21/2017 0:00	107052261	412513	412987.5	474.5	Pacific	DEPOT	AZ	161.3	United States



Vendor C

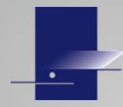


# Example: Fuel transactions

Weekly Transactions By Driver Number																			
Fleet Number: 009610																			
Date	Time	Card#	Driver #	Unit#	T/W#	Name	City	ST	Diesel Gal	Diesel Amt	Reefler Gal	Reefler Amt	Discont	Net FPU	Rebate	Cash	Other	Invoice Tot	
9/5/2017	10:35	69	160	679	193863	Loves Trav	Wells	NV	169.549	523.74	0	0	0	77.89	2.63	0	100	0	545.85
9/6/2017	20:57	69	160	679	195958	Flying 1 64K	Jerome	ID	176.796	547.89	0	0	0	26.52	2.949	0	0	0	523.37
9/20/2017	14:09	69	160	679	195837	Flying 1 60V	Hoy	AZ	133.686	0	0	0	20.05	2.849	0	0	0	380.87	
9/21/2017	13:39	69	160	679	148510	Loves Trav	Buckeye	AZ	143.645	409.23	0	0	0	34.7	2.044	0	0	0	374.51
Total Records: 220																			



Vendor C



# Example: Monthly summary

Created Aug 01, 2017  
 From Jul 01, 2017  
 To Jul 31, 2017  
 Distance Unit miles  
 Fuel Volume Unit Gallon (US)  
 Fuel Economy Unit MPG (US)

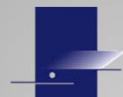
Variance Percentage (GPS vs. Odometer)

Less than 1.00%	Adjust the variance ranges on the left according to your fleet's needs.
Less than 7.00%	
Greater than or equal to 7.00%	

Vehicle	Jurisdiction	Enter Time	Exit Time	Enter Odometer	Exit Odometer	Distance	Sum of GPS Distance
TN		Jul 02, 2017 11:03 PM	Jul 04, 2017 5:02:44 PM	315,236	315,815	578.9	577.7
<b>TN Total</b>						<b>578.9</b>	<b>577.7</b>
NE		Jul 30, 2017 3:36:17 AM	Jul 30, 2017 11:28:37 AM	328,056	328,514	458.1	455.5
<b>NE Total</b>						<b>458.1</b>	<b>455.5</b>
WV		Jul 30, 2017 11:28:37 AM	Jul 30, 2017 2:10:16 PM	328,514	328,664	150.1	149.5
<b>WV Total</b>						<b>150.1</b>	<b>149.5</b>
IA		Jul 29, 2017 10:13:00 PM	Jul 30, 2017 3:36:17 AM	327,748	328,056	306.1	306.5
<b>IA Total</b>						<b>306.1</b>	<b>306.5</b>
IL		Jul 18, 2017 3:01:56 AM	Jul 18, 2017 9:15:26 AM	321,813	321,973	159.5	159.5
		Jul 20, 2017 1:00:30 AM	Jul 20, 2017 1:00:30 AM	322,472	322,776	304.5	303.7
		Jul 29, 2017 7:36:11 PM	Jul 29, 2017 10:13:00 PM	327,579	327,748	168.9	168.2
<b>IL Total</b>						<b>633.3</b>	<b>631.4</b>
IN		Jul 18, 2017 12:06:17 AM	Jul 18, 2017 3:01:56 AM	321,655	321,813	158.1	157.6
		Jul 20, 2017 1:00:30 AM	Jul 20, 2017 2:38:59 PM	322,776	323,066	290.1	289.5
		Jul 29, 2017 5:59:13 PM	Jul 29, 2017 7:36:11 PM	327,533	327,579	46.6	46.1
<b>IN Total</b>						<b>494.4</b>	<b>493.2</b>
OH		Jul 01, 2017 7:14:10 PM	Jul 02, 2017 12:54:30 AM	314,566	314,882	316.6	315.3
		Jul 08, 2017 8:43:10 PM	Jul 10, 2017 1:37:12 AM	317,942	318,123	180.6	179.6
		Jul 14, 2017 7:03:53 PM	Jul 14, 2017 11:34:37 PM	320,243	320,462	219.2	218.2
		Jul 17, 2017 6:41:45 PM	Jul 18, 2017 12:06:17 AM	321,347	321,655	307.8	307.3
		Jul 20, 2017 5:38:59 PM	Jul 20, 2017 9:14:51 PM	323,066	323,385	318.9	317.5
		Jul 24, 2017 5:59:23 PM	Jul 24, 2017 8:33:34 PM	324,927	324,934	7.0	7.0
		Jul 29, 2017 1:33:37 AM	Jul 29, 2017 11:07:29 AM	327,088	327,299	210.8	209.8
<b>OH Total</b>						<b>1,560.3</b>	<b>1554.7</b>
DC		Jul 25, 2017 2:57:27 PM	Jul 25, 2017 5:17:20 PM	325,385	325,415	30.1	30.1
<b>DC Total</b>						<b>30.1</b>	<b>30.1</b>
KY		Jul 02, 2017 12:54:30 AM	Jul 02, 2017 1:10:53 PM	314,882	315,236	354.6	353.7
<b>KY Total</b>						<b>354.6</b>	<b>353.7</b>



Vendor D



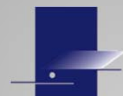
# Example: Fuel transactions

Weekly Transactions By Driver Number  
 Fleet Number: 180700

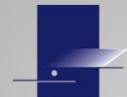
Date	Time	Card#	Driver #	Unit#	TJ#	Name	City	ST	Diesel Gal	Diesel Amt	Reefer Gal	Reefer Amt	Discount	Net PPU	Rebate	Cash	Other	Invoice Tot		
7/4/2017	15:22		2	1204782	302	103614	Petro Conn	Conn	TN	130.249	364.57	0	0	0	2.799	2.6	0	364.57		
7/9/2017	12:08		2	1204782	302	103614	Petro Conn	Conn	MO	141.801	402.57	0	0	0	2.839	2.84	0	31.91	434.48	
7/06/2017	19:64		2	1204782	302	180036	Ta-Tompaq	Flomglen	PA	143.903	348.1	0	0	0	2.415	2.68	0	0	348.1	
7/12/2017	15:49		2	1204782	302	103614	Petro Conn	Conn	MI	163.677	464.68	0	0	0	2.839	3.27	0	23.4	488.08	
7/14/2017	14:13		2	1204782	302	103614	Petro Conn	Conn	OH	149.95	425.71	0	0	0	2.839	0	0	0	425.71	
7/12/2017	12:49		2	1204782	302	171660	Petro	Wheelabr	PA	85.561	233.37	0	0	0	2.958	0	0	18.21	271.88	
7/22/2017	10:06		2	1204782	302	195386	TA	Wheeler	Arvin	VA	149.002	446.86	0	0	0	2.999	0	0	0	446.86
7/23/2017	18:39		2	1204782	302	117960	TA	Aurora	Aurora	MO	146.796	375.65	0	0	0	2.558	0	0	0	375.65
7/20/2017	19:30		2	1204782	302	182998	Petro	Santa-Santa	Nellu	PA	124.805	349.5	0	0	0	2.799	0	0	29.57	379.07
7/20/2017	12:46		2	1204782	302	184103	Three	Side	Fontana	NE	70.302	210.84	0	0	0	2.999	0	0	0	210.84
8/2/2017	14:53		2	1204782	302	195386	TA	Wheeler	Arvin	CO	162.3	475.38	0	0	0	2.929	0	0	43.26	518.64
8/6/2017	14:48		2	1204782	302	105429	Petro	Pine	Phoenix	NM	82.45	206.84	0	0	0	2.499	0	0	17.58	223.63
8/5/2017	19:06		2	1204782	302	103614	Petro Conn	Conn	AZ	137.388	398.29	0	0	0	2.899	0	0	29.81	428.1	
8/9/2017	21:56		2	1204782	302	184103	Three	Side	Fontana	CA	50.663	151.94	0	0	0	2.999	0	0	0	151.94
8/12/2017	17:56		2	1204782	302	104075	Petro	Orta	Ontario	CA	145.02	449.42	0	0	0	3.059	0	0	0	449.42
8/14/2017	11:07		2	1204782	302	180324	Petro	Spent	Sparks	NV	88.942	259.56	0	0	0	2.929	0	0	0	259.56
8/16/2017	11:55		2	1204782	302	188243	TA	Barstow	Barstow	CA	143.805	425.52	0	0	0	2.958	0	0	29.76	455.28
8/15/2017	19:33		2	1204782	302	171660	Petro	Wheelabr	CA	49.524	148.52	0	0	0	2.999	0	0	0	148.52	
8/19/2017	14:40		2	1204782	302	195386	TA	Wheeler	Arvin	CA	125.282	383.24	0	0	0	3.059	0	0	0	383.24
8/22/2017	0:01		2	1204782	302	195386	TA	Wheeler	Arvin	CA	84.574	258.71	0	0	0	3.059	0	0	0	258.71
8/7/2017	18:18		2	1204782	302	142818	TA	Buttons	Buttons	NV	101.63	310.89	0	0	0	3.059	0	0	28.42	339.31
8/28/2017	19:25		2	1204782	302	182998	Petro	Santa-Santa	Nellu	WY	180.755	534.85	0	0	0	2.958	0	0	0	534.85



Vendor D



## Q&A DISCUSSION



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## THANK YOU

