

GPS Records

The use of a GPS tracking system on vehicles can be an easy and convenient way to track mileage for the purposes of IRP and IFTA reporting; however auditors often encounter GPS records that lack required elements in order to successfully conduct an audit of a mileage system. So, how can you make sure your GPS records will be adequate for audit? If you can answer yes to each item below then your GPS records will meet the record keeping requirements under IRP and IFTA and help to ensure that your records will be adequate in the event of an audit.

Does the software that collects and organizes my GPS data store the information for at least four years?

Yes No

Does the system record the date and time of each GPS reading (ping)?

Yes No

Does the system record the location (latitude, longitude) of each GPS reading (ping)?

Yes No

Does the system record the beginning and ending reading of the odometer for the trip?

Yes No

Does the system record the calculated distance between each GPS reading (ping)?

Yes No

Does the system record route of travel?

Yes No

Does the system calculate the total distance traveled by the vehicle for each trip?

Yes No

Does the system record the distance traveled in each jurisdiction for each trip?

Yes No

Does the system record the vehicle identification or unit number?

Yes No

If you answered yes to the above questions then your records meet the requirements under IRP and IFTA. The following page contains an example of what a GPS trip report could look like.

Below is an example of what a GPS trip report could look like. GPS reports provided for audit may look different than this example but must contain all of the information shown below.

GPS Trip Report Example

Origin: Columbus, OH Destination: Lexington, KY

Unit #	Date	Time	Latitude	Longitude	Odometer	Distance	Jurisdiction	Routes of Travel
56	1/6/2015	5:00am	39.962502	-82.998460	152632.0	0	OH	East Broad St
56	1/6/2015	5:15am	39.952890	-83.010325	152633.4	1.4	OH	I-71
56	1/6/2015	5:30am	39.806532	-83.201698	152649.4	16	OH	I-71
56	1/6/2015	5:45am	39.684593	-83.480623	152666.5	17.1	OH	I-71
56	1/6/2015	6:00am	39.534915	-83.788646	152686.0	19.5	OH	I-71
56	1/6/2015	6:15am	39.413073	-84.152947	152707.4	21.4	OH	I-71
56	1/6/2015	6:30am	39.197153	-84.376346	152727.8	20.4	OH	I-71
56	1/6/2015	6:45am	39.092209	-84.522639	152740.0	12.2	OH	I-71
						108	OH	
56	1/6/2015	7:00am	38.865104	-84.623819	152759.8	19.8	KY	I-75
56	1/6/2015	7:15am	38.533906	-84.590593	152784.2	24.4	KY	I-75
56	1/6/2015	7:30am	38.264463	-84.553400	152803.4	19.2	KY	I-75
56	1/6/2015	7:45am	38.085920	-84.490434	152817.6	14.2	KY	922
56	1/6/2015	8:00am	38.035843	-84.519744	152822.3	4.7	KY	68
						82.3	KY	
Totals						190.3		

