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To: Performance and Registration Information Systems Management (PRISM)
Stakeholders

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Administration (FMCSA), Enforcement Division

Subject: Supplemental PRISM Target File with Inspection Selection System (ISS) Scores

A supplemental PRISM Target File (ISS Target File) is now available for State law enforcement agencies to download and implement to support roadside enforcement. The ISS Target File links the motor carrier's ISS score to the vehicle registration record using the U.S. Department of Transportation (USDOT) number. State law enforcement can use the ISS Target File with an Automated License Plate Reader (ALPR) to search and associate the ISS Score with the license plate. This data provides State law enforcement with additional safety information at the roadside to identify commercial motor vehicles for inspections more accurately and efficiently. Instead of randomly selecting vehicles for inspection, roadside law enforcement can target vehicles with high ISS scores, which pose a greater safety risk. The ISS Target File is used for roadside enforcement *only* and is not a requirement to participate in PRISM.

Background

In February 2020, the Ohio State Highway Patrol (OSHP) requested that the PRISM Team create a supplemental Target File containing the motor carrier ISS Scores at the vehicle level. By July 2020, the ISS Target File had been developed by the PRISM team and tested by OSHP. During a 3-month pilot project, OHSP conducted over 500 inspections successfully using the ISS score of the carrier to determine whether or not to inspect the vehicle.

The supplemental Target File identifies vehicles for which the associated motor carrier responsible for safety is "optional" or "recommended for inspection" by ISS.

What is ISS?

The FMCSA ISS is used at roadside inspection stations to assist inspectors in identifying and prioritizing motor carriers for inspections. The ISS is a decision-aid for commercial vehicle/driver inspectors in selecting vehicles for inspection. The ISS provides a three-tiered recommendation of Inspect, Optional or Pass. For more information about ISS Scores, what they represent and the algorithms used, download the ISS help document: https://ai.fmcsa.dot.gov/sms/helpfiles/iss_algorithm.pdf

Configuring ISS Score Alerts

State law enforcement has the flexibility to configure the ISS Score thresholds, which trigger alerts within their ALPR systems to generate an inspection recommendation that suits their targeting needs. For example, a State may set a lower threshold of 65 or above to target a larger pool of vehicles or set a higher threshold of 90 or above to target a smaller pool of vehicles.

During OSHP testing of the ISS Target file, they configured their ALPR system alerts into two categories.

1. If the ISS Score was set between 50 and 74, the alert would recommend an "optional inspection."
2. If the ISS Score was set between 75 and 100, the alert would recommend an "inspection."



How can my State access the ISS Target File?

The ISS Target File is currently running in production and available for download on both the PRISM SFTP and SAFER FTP sites. The directory path, naming convention, and other details are shown below:

- SFTP and FTP directory name = iss
- Filename = target_iss_YYYYMMDD.zip
- Contents of .zip = target_iss_YYYYMMDD.lst
- Size of .zip = 22.4 MB (*as of 11/2/2020*)
- Size of .lst = 121 MB (*as of 11/2/2020*)
- Total number of records = 1,318,661 (*as of 11/2/2020*)

ISS Score Target File Format

Vehicle records on the ISS Score Target File are uniquely identified by the following fields:

- USDOT Number
- VIN
- Plate Number
- Registration Jurisdiction

ISS Score Target File: Data Record Layout

Field Name	Size	From	To	Type	Presence
File Type	1	1	1	A	R
Record Type	1	2	2	A	R
USDOT Number	7	3	9	N	R
VIN	17	10	26	A/N	R
License Plate Number	10	27	36	A/N	R
Registration Jurisdiction	2	37	38	A	R
Registration Start Date	8	39	46	N	R
Registration Expire Date	8	47	54	N	R
Make	4	55	58	A/N	R
Model Year	4	59	62	N	R
MCSIP Level	2	63	64	N	O
MCSIP Level Date	8	65	72	N	O
IRP Status Code	3	73	75	A	R
IRP Status Date	8	76	83	N	R
ISS Indicator	1	84	84	A	R
ISS Score	3	85	87	N	R
ISS Score Date	8	88	95	N	R



US Department of Transportation
Federal Motor Carrier Safety Administration

PRISM Technical Announcement

Contacts:

If you have questions about the ISS Score Target File or require technical assistance, please contact:

PRISM Technical Support Team

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If you have questions about this announcement, please contact:

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