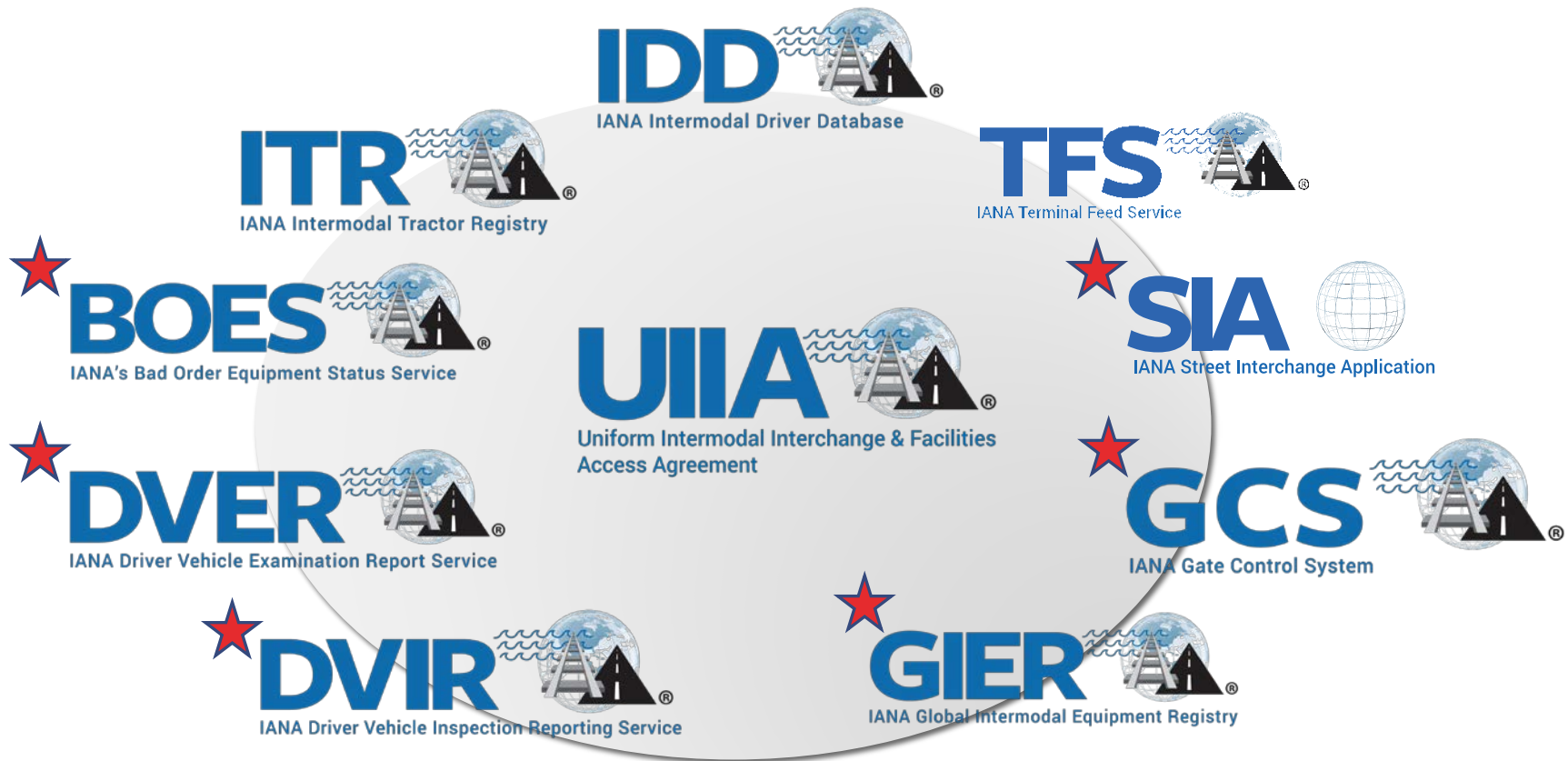


Overview of DVER Application & Enhancements

System Linking Enforcement & Industry

Interrelated Non-Profit Programs & Systems



Industry APIs available for all services

★ Programs that interact with the DVER & GIER Systems

DVER System – Purpose

- Past: Provide Intermodal Equipment Providers (IEPs) and Motor Carriers (MC) with notification that a Driver Vehicle Examination Report (DVER) has been issued for intermodal equipment.
- Future: All CMVs based on successful pilot & CVSA sentiment.
- Sends violation detail via XML, as well as e-mail PDF delivery to all relevant parties.
- API available for system integrations.
- Provide electronic method for industry to communicate with enforcement & vice versa.
- Gives ongoing web portal access for DVER management, storage, lookups, retrieval and reporting for Enforcement & industry.

Why is the system needed?

- Overall costly administration of manual “paper-like” processes for CMV operators & Enforcement alike.
- **Intermodal Drivers are required to supply a copy of the citation to the MC and IEP.** The intent of the regulation, per FMCSR 396.9 (d)(1), is that this should ideally occur within **24 hours of receipt**. However, this process has proved operationally difficult.
- **Within 15 days** following the date of the inspection, the **MC or IEP must physically certify on the form that all violations have been corrected, return a copy of the form to the issuing agency at the address on the form, and retain a copy for 12 months.** IEPs are finding it difficult to meet this timeline due to inefficient paper based processes.
- Validation of potentially inaccurate IEP identification on the DVER.

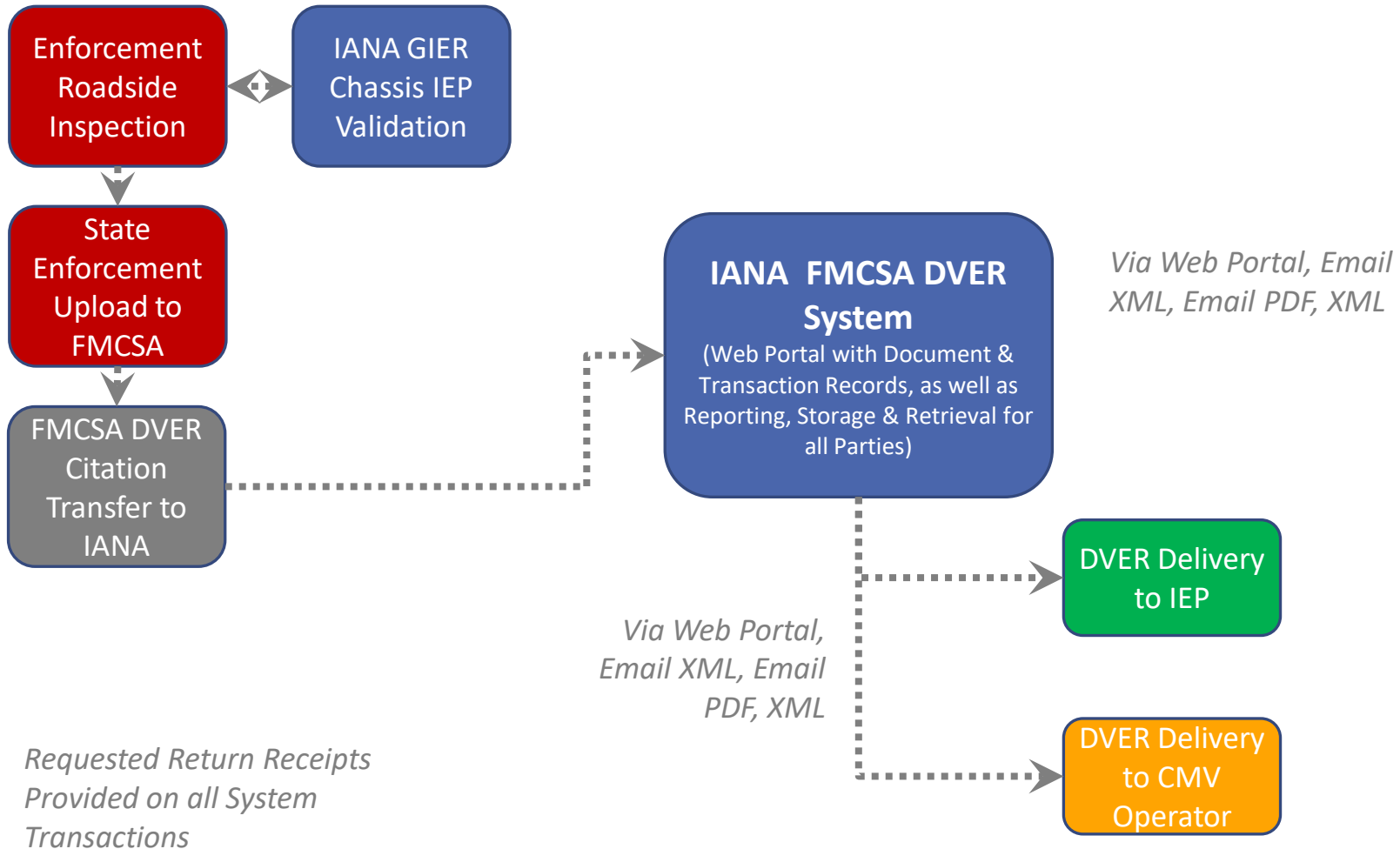
FMCSA / IANA / CVSA History

- Roadability Regulation collaboration
 - Regs & Attributions, DVIR processes, GIER 5th Marking Option, DVER, Terminal operating processes
- IANA Committee participation
- Joint CVSA interaction & Committee work
- Joint intermodal industry education efforts
 - Compliance workshops, Webinars, Education Sessions, etc.
- FMCSA presence & participation at IANA education events
- DVER Processing / Paperless roadside initiative
- FMCSA / IANA joint IT development initiatives

How did IANA get involved?

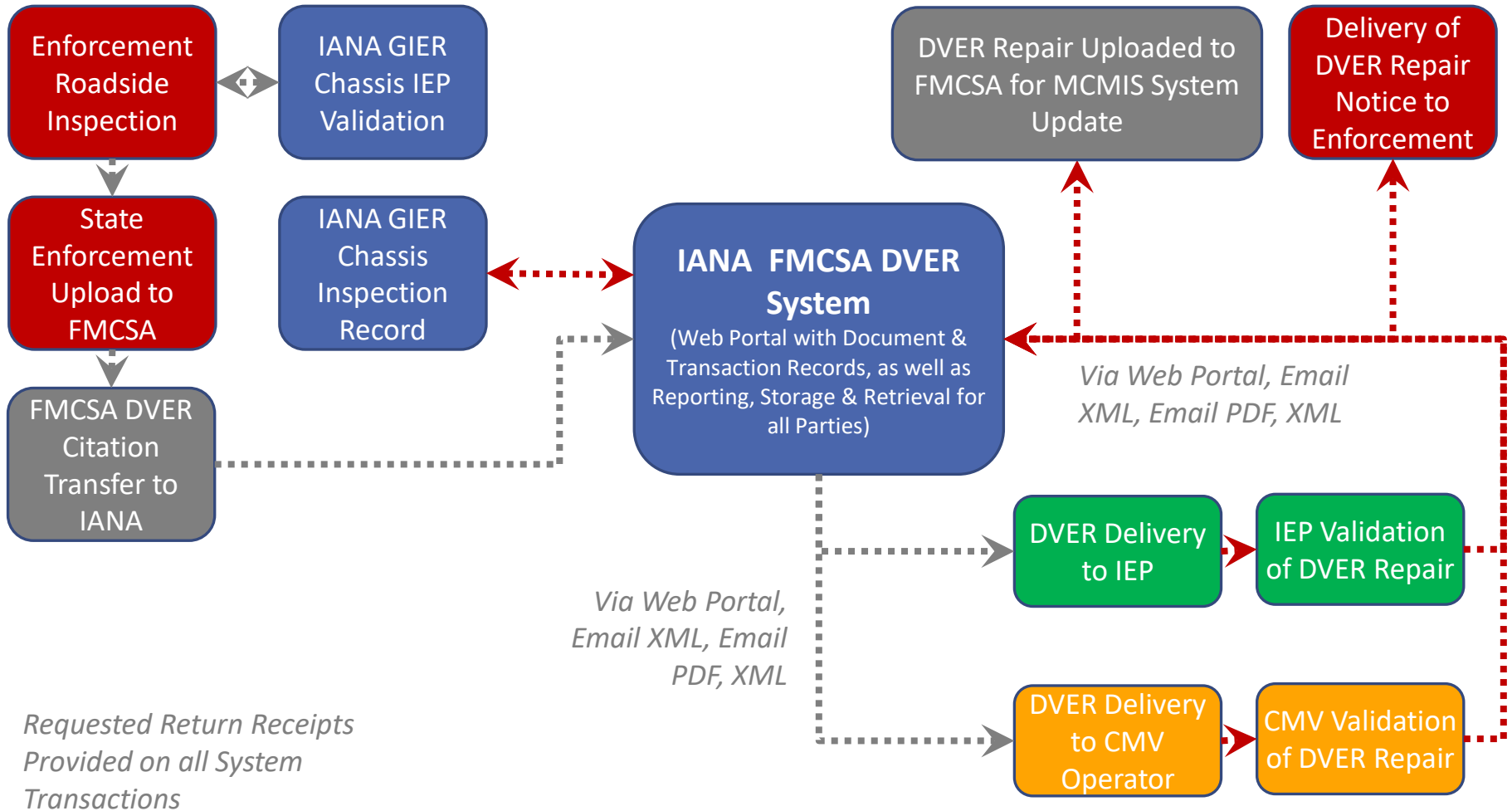
- IANA first addressed proper **identification of the IEP** on the DVER. Beginning in 2009, IANA worked with FMCSA and the States to embed **GIER** into the vehicle systems used by enforcement at roadside.
- This followed by joint IANA / FMCSA / Commercial Vehicle Safety Alliance (CVSA) **enforcement officer training**.
- In 2011, building on IANA's DVIR system, FMCSA and IANA discussed the possibility of IANA **electronically delivering DVERs to IEPs and MCs** due to anticipated **DVER delivery process breakdowns** within the Intermodal industry.
- Subsequently, IANA and FMCSA worked together to design and build a system that will, in a near real-time manner, **route a copy of the DVER to the appropriate IEP and MC**, including storage, reporting, lookups and other functionality.
- 2016 DVER system expansion to mirror State / Enforcement processes & communication needs.

DVER System Schema



.....➔ New Functionality

DVER System Schema



Expanded DVER Features

- System upgrade and portal for State and Federal enforcement's use for DVER maintenance, compliance audits and SAFETYNET / MCMIS update as MCs and IEPs use the system to validate DVER repairs.
- Connect and enable communication and information flow between IEPs, CMV operators and State & Federal enforcement.
- Removal of the intermodal filter to enable delivery of DVERs to all CMVs
- Linkage to GIER to validate the FMCSA annual and California BIT inspection forms and inspector certifications.
- Linkage to BOES to stop equipment from moving through terminals.
- Enhance the reporting and benchmarking of violation metrics for all parties.

SAFETYNET Linkages

- IANA can transmit validation of DVER repairs to state enforcement via the same XML schema used by SAFETYNET.
- XML information can be provided at the frequency determined by the individual state enforcement agency, including the ability to transmit all DVER repair certifications done on a daily basis in a single XML file.
- IANA's XML file can be imported directly into SafetyNet by state enforcement.
- Once SAFETYNET is updated, the record is automatically uploaded and updated in MCMIS as well.
- Potential option to have IANA automatically transmit DVER confirmations via XML directly to SAFETYNET and MCMIS on behalf of the state enforcement agency.

Value Adds

- Eliminate costly administration of paper processes
 - Replace Scanning, Fax & Mail with electronic delivery & verifications
 - Compliance Review support tool
- Flexible web portal
- Ability to accept info into Enforcement's proprietary database (Evidence chain of custody protection)
- Integration with existing industry sponsored safety initiatives
- Overall safety impact

DVER Program – Next Steps

- FMCSA remove “IC” filter enabling use for all commercial vehicles, not just intermodal carriers.
- IANA continued tabulation of violation metrics for benchmarking the effectiveness of CMV proactive systematic maintenance programs.
- CVSA / IANA working relationship for State level briefings, training & implementations

DVER Registration

Register now at
<https://dver.intermodal.org/DVER/>

Motor Carriers and IEPs – Click on **Create Account** to establish your access to IANA's Driver Vehicle Examination Report Service

State & Federal Enforcement Personnel – contact the IANA Information Services Help Desk at admin@gierregistry.com to setup your DVER account.

Sign in

DVER
IANA Driver Vehicle Examination Report Service

Username

Password

Login [Forgot Password?](#)

Do not have an account?

DVER Web Portal Features and Functionalities

- **Search Capabilities**

The Search DVER Screen will be the default page that users are taken to once they log in. This screen identifies the parameters that can be utilized to search for a DVER –

Search Parameters include:

- **Inspection Date**
- **SCAC Code**
- **US DOT Number**
- **State – the state in which the citation was given.**
- **DVER Report Number – unique number assigned to each DVER.**
- **Equipment alpha/numeric ID**
- **License Plate/License State**
- **VIN Number**
- **DVER Status**
- **Inspection Level**
- **MCMIS – Yes/No if DVER certification has been uploaded to FMCSA’s MCMIS system. This search parameter only available to state enforcement.**

DVER Web Portal Features and Functionalities

- **Search Parameters**

The Search DVER Result Screen will return DVER information related to the user's company's based on search parameters entered.

(Note: State/Federal Personnel would have access to all DVERs and will also have a MCMIS search option as to whether DVER certification has been uploaded to FMCSA's MCMIS system if the state selects to have IANA transmit this data on their behalf)

Search DVER

From Inspection Date :
From Inspection Date(mm/dd/yyyy)

STATE ABBR :
Enter US to search federal inspections else state abbr

License Plate :
Enter License Plate to search

Equipment Prefix :
Enter Equipment Prefix to search

VIN :
Enter VIN to search

Inspection Level :
Select Inspection Level

To Inspection Date :
To Inspection Date(mm/dd/yyyy)

DVER Report Number :
e.g. MA-4744-0001 / US-IMP100025

License State :
Enter License State to search

Equipment Number :
Enter Equipment Number to search

Equipment Status :
Select Equipment Status

MCMIS :
- Select -

Note:
-> To search for Federal FMCSA inspections versus state inspections user can search by entering 'US' under the State Abbreviation or D
-> To search for violations in a specific state - use the State Abbr. field or enter the two letter state abbreviation in the DVER Report Number field.

MCMIS Search Parameter
for State Enforcement Only

DVER Search Results

•Result screen will return DVER information related to the User's company based on Search parameters entered.

•Keys for reading Results Screen:

- A. **Wrench Icon** - allows User to select multiple units to confirm DVER has been repaired.
- B. **1st Excel Button** - Download Excel spreadsheet with information on DVERs that are checked by User.
- C. **2nd Excel Button** - Download Excel report on **All DVERs** on file for User.
- D. **3rd Excel Button** - Download all XML details on **ALL DVERs** on file for User.
- E. **PDF Button** - generates a PDF file containing copies of the actual DVERs for any selected DVERs checked by User.
- F. **Binocular Icon** - another method to get back to the DVER Search Screen.

Check / Uncheck	Date and Time of Inspection	IEP DOT	HC DOT	Report Number	State	Report version	Lic. Plate	Chassis ID	Download DVER	Equipment Status
<input type="checkbox"/>	12/21/2016	1521807	2070382	TX457ERDQXIN	TX	1	3516581	TNP2423871		DVER REPAIRED
<input type="checkbox"/>	12/26/2016	1521807	1907589	TX45C80WFC43	TX	1	2516681	TNP2509735		DVER OUTSTANDING
<input type="checkbox"/>	12/20/2016	1521807	2360910	TX45E9DCCU3W	TX	1	3519160	TNP2446201		DVER CERTIFIED
<input type="checkbox"/>	12/27/2016	1521807	710383	TX45DE0WDZQ3	TX	1	2516611	TNP2409665		DVER OUTSTANDING
<input type="checkbox"/>	12/28/2016	1521807	1162977	TX45EA0WFCRN	TX	1	349149Z	TNP2417255		DVER OUTSTANDING
<input type="checkbox"/>	12/24/2016	1521807	1957244	TX45A10HTE3V	TX	1	3626362	TSFZ564837		DVER OUTSTANDING
<input type="checkbox"/>	12/23/2016	1521807	725226	TX459D0VCCA	TX	1	398873Z	TPNZ446943		DVER OUTSTANDING
<input type="checkbox"/>	12/20/2016	1521807	551712	TX456D9DCU3W	TX	1	HS41381	TNP2420194		DVER OUTSTANDING

Equipment Status –

DVER Outstanding – DVER has been transmitted to User.

DVER Repaired – IANA's BOES application has processed a release on the unit removing it from bad order status. Note: Certification of the repair from IEP and upload to state enforcement agency is still pending at this point.

DVER Certified – IEP has certified that the DVER has been repaired and information has been transmitted to the appropriate state enforcement agency as long as they utilize IANA's DVER application. IANA would also have the ability to directly upload the certification to FMCSA's MCMIS systems if the state enforcement agency elected to have IANA do so.

DVER Search Results – State Enforcement

Search Results for State Enforcement will also include a column titled – **MCMIS**. This will display “No” until DVER status is shown as “DVER Certified”. At this point, State Enforcement will have the ability to click on the “Send to MCMIS” link to upload DVER certification to directly to FMCSA’s MCMIS system.



Home / DVER Search
 Company Name : Texas Department of Transportation User Type : STATE SCAC : US DOT :

User Name: txdot
 Texas DOT | Sign out

- [Rejected DVER's](#)
- [DVER Search](#)
- [User Settings](#)
- [XML Config](#)
- [Reports](#)

Search DVER Result

Search criteria : [Modify Search](#)



Show 10 entries											
Check / Uncheck	Date and Time of Inspection	IEP DOT	MC DOT	Report Number	State	Report version	Lic. Plate	Chassis ID	MCMIS	Download DVER	Equipment Status
<input type="checkbox"/>	12/21/2016	1521807	2070382	TX4S7E9DGXIN	TX	1	1343751	BA1030	No	Download	DVER REPAIRED
<input type="checkbox"/>	12/21/2016	1521807	2070382	TX4S7E9DGXIN	TX	1	3516581	TNPZ423871	No	Download	DVER REPAIRED
<input type="checkbox"/>	12/26/2016	1521807	1907589	TX4SCB0WFG43	TX	1	R220484	1583	No	Download	DVER OUTSTANDING
<input type="checkbox"/>	12/26/2016	1521807	1907589	TX4SCB0WFG43	TX	1	2516681	TNPZ509735	No	Download	DVER OUTSTANDING
<input type="checkbox"/>	12/21/2016	1909823	1818437	TX4S7A0ABWC4	TX	1	1342783	G345	No	Download	DVER OUTSTANDING
<input type="checkbox"/>	12/21/2016	1909823	1818437	TX4S7A0ABWC4	TX	1	T752611	APMZ415664	No	Download	DVER OUTSTANDING
<input type="checkbox"/>	12/20/2016	1521807	2360910	TX4S6E9DCU3W	TX	1	1110273	8C	No Send to MCMIS	Download	DVER CERTIFIED

DVER Repair Confirmation Screen

To confirm a DVER has been repaired, the IEP or MC would simply do the following:

Wrench Icon is used when submitting multiple DVER repairs

- A. Login into their DVER account using their name and password credentials.
- B. Go to Search screen and enter parameters to find the specific DVER or multiple DVERs the user wishes to confirm have been repaired.
- C. Click on the link under Equipment Status for the specific unit. To submit DVER Repair for multiple units, simply click the checkbox next to each unit and then click on the Wrench icon in upper right.
- D. The logged in user's name will auto populate under Repaired Verified By. User can enter any specific remarks.
- E. User can upload documentation confirming the DVER Repair.
- F. Then hit SUBMIT.

The screenshot displays the 'Search DVER Result' interface. A modal window titled 'Equipment Repair' is open, containing the following fields and options:

- Repair Verified By:** Tom Martucci
- Remarks:** Enter Remarks
- Attach File:** Browse... No file selected.
- Disclaimer:** Submission of a DVER repair via this system by any person other than the individual referenced in the repair verification field is strictly prohibited. User acknowledges that, upon submission, an electronic signature is rendered for the purposes State and Federal Enforcement official communications. User warrants that any information provided is true and accurate with falsification subject to any associated State and Federal regulations, fines and imprisonment.
- Buttons:** Submit, Cancel
- Footer:** © copyright 2016 - A SERVICE OF THE INTERMODAL ASSOCIATION OF NORTH AMERICA

The background shows a table of search results with columns: Chassis ID, Download DVER, and Equipment Status. The status for MSQU976838-3 is 'DVER OUTSTANDING', which is highlighted with a red box. A red arrow points from the 'Wrench Icon' text box to the wrench icon in the top right corner of the search results table.

Once DVER Repair information has been submitted it will be transmitted to the appropriate state enforcement agency that is utilizing IANA's DVER application via the communication method they have selected.

DVER Web Portal Reporting Features

- Reporting

The DVER System will provide additional reporting functionality for each user by Inspection Level,

The screenshot shows the DVER web portal interface. On the left is a dark blue sidebar with navigation links: Company Profile, DVER Search, User Settings, Designated DVER Contact Details, XML Config, Reports, Inspection Levels, Violations, and Top Violations. The main content area has a header with the DVER logo and text: "IANA Driver Vehicle Examination Report Service", "Home /", "Company Name : IANA Chassis Pool", "User Type : IEP SCAC : MMMX US DOT : 888888", and "User Name: iana Debbie Sasko | Sign out". Below the header is a section titled "Generate stats by Inspection level by date range". It contains two input fields: "From Inspection Start Date : From Inspection Date(mm/dd/yyyy)" and "To Inspection End Date : To Inspection Date(mm/dd/yyyy)". There are three buttons: a green "More" button with a dropdown arrow, a green "Generate Report" button, and a green "Clear" button. To the right of the input fields is a "Results:" section with a dark blue box containing the text "II - WALK-AROUND" and the number "4".

DVER Web Portal Reporting Features

- Reporting

The DVER System will provide additional reporting functionality for each user by Violation by chassis, truck or driver

The screenshot displays the DVER web portal interface. At the top left is the DVER logo (IANA Driver Vehicle Examination Report Service). The top right shows the user name 'iana' and 'Debbie Sasko | Sign out'. The main navigation menu on the left includes: Company Profile, DVER Search, User Settings, Designated DVER Contact Details, XML Config, Reports, Inspection Levels, Violations, and Top Violations. The main content area is titled 'Generate Stats for Chassis, Truck or Driver in regards to violations by date range'. It contains a form with the following fields: 'From Date' (From Inspection Date(mm/dd/yyyy)), 'To Date' (To Inspection Date(mm/dd/yyyy)), 'MC SCAC', 'MC DOT', 'IEP SCAC', 'IEP DOT', and 'STATE ABBR' (Enter US to search federal inspections else state abbr). Below the form are checkboxes for 'Unit Type': Dolly Converter, Full Trailer, Intermodal Chassis, Straight Truck, School Bus, Semi Trailer, Truck Tractor, and Other. There are 'Generate Report' and 'Clear' buttons. The 'Results' section shows two blue boxes: 'INTERMODAL CHASSIS' with a count of 4, and 'TRUCK TRACTOR' with a count of 4.

DVER Web Portal Reporting Features

- Reporting

The DVER System will provide additional reporting functionality for each user by Violation Code

The screenshot displays the DVER web portal interface. At the top left is the DVER logo (IANA Driver Vehicle Examination Report Service). The header includes a breadcrumb trail (Home /), company information (Company Name : IANA Chassis Pool User Type : IEP SCAC : MMMX US DOT : 888888), and user details (User Name: iana, Debbie Sasko | Sign out).

The main content area is titled "Pull stats by top violation codes in chronological order by date range". It contains a search form with the following fields:

- From Date :** From Inspection Date(mm/dd/yyyy)
- To Date :** To Inspection Date(mm/dd/yyyy)
- MC SCAC :** MC SCAC
- MC DOT :** MC DOT
- IEP SCAC :** IEP SCAC
- IEP DOT :** IEP DOT
- STATE ABBR :** Enter US to search federal inspections else state abbr

Below the form are two buttons: "Generate Report" and "Clear".

The **Results:** section displays six violation codes and their counts in a grid of blue boxes:

Violation Code	Count
392.2W	2
393.75C	2
393.78	1
393.47D	1
393.9	1
393.45DLPC	1

Viewer Question

Q: Will there be a cost for state enforcement agencies to use the DVER system?

A: No, there will be no cost for state enforcement agency users to use the IANA DVER system.

Contact Info

Debbie Sasko

Intermodal Association of North America

301.982.3400 Ext. 352

Debbie.Sasko@Intermodal.org

Technical Questions may be directed to:

Piyush Panchal, IT Director

301.982.3400 ext. 325

ppanchal@intermodal.org

© Copyright

© 2017 Intermodal Association of North America.
All rights reserved.